

# Participants

250 participants for ETNA2020 Transport Networking and Brokerage Event.

# A-to-Be

## Large Company

Country	Portugal
City	Porto Salvo
Street	Lagoas Park, Edificio 15, Piso 4
Web	<a href="http://a-to-be.com">http://a-to-be.com</a>



## Contact

Name	Lara Moura
Role	Research and Innovation Manager



## Description

Our new name celebrates a challenging and inspiring new era. As Brisa Innovation we focused on tolling and roadside solutions. With more than two decades' worth of experience, we became a leading provider, being the first to deploy a nationwide Electronic Toll Collection, together with other projects in Portugal, the Netherlands, Turkey, Russia, Brazil, India and the United States.

However, mobility it's not only about vehicles and infrastructures anymore. It's really about people. Human seamless mobility experiences. That's what we develop, together with our clients, from tolling to parking, from traffic management to monitoring. We do it by connecting all of them to mobility networks, managed by public authorities and other mobility-as-a-service providers. Always combining expertise with innovative ideas.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

# AB CORPORATION

## Consulting

Country	Italy
City	Saponara
Street	via Roma, 10
Web	<a href="http://blackwhite.solutions/">http://blackwhite.solutions/</a>



## Contact

Name	Gaetano Borgosano
Role	Project Manager



## Description

<http://blackwhite.solutions/funding/>

## Areas of Activity

- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- MG-2-11-2020: Network and traffic management for future mobility

# ACCIONA

## Large Company

Country Spain  
City Alcobendas  
Street

## Contact

Name Javier Bonilla  
Role Innovation Manager



## Description

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## Areas of Activity

- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance

# ADENE

## Authority/Government

Country	Portugal
City	Lisbon
Street	Av. 5 de Outubro, Edifício Santa Maria, 208 - 2º Piso, 1050-065 Lisboa, Portugal
Web	<a href="https://innovation.adene.pt/">https://innovation.adene.pt/</a>



## Contact

Name	Miguel Sales Dias
Role	Member Board of Directors



## Description

ADENE, the Portuguese Energy Agency, is a private non-profit association with a public interest status, supervised by the Secretary of State of Energy of the Ministry of Environment and Energy Transition, whose activities and statutes are ruled by several Decree-Laws. ADENE is as part of the Portuguese Scientific and Technological System and has the mission to develop and enforce activities under public policies, to promote the efficient use of energy and water, by all and every day, contributing to a more sustainable society. ADENE´s vision is to be the center of excellence for the energy transition, mobilizer of citizens and institutions, towards a more competitive, sustainable and low-carbon economy.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies

# AFIA - Portuguese Manufacturers Association for the Automotive Industry

## Association/Agency

Country	Portugal
City	LECA DA PALMEIRA
Street	Edifício de Serviços da AEP - Av.ª Dr. António Macedo, 196
Web	<a href="https://afia.pt">https://afia.pt</a>



## Contact

Name	ADAO FERREIRA
Role	SECRETARY-GENERAL



## Description

### MISSION & VISION:

- AFIA has been bringing suppliers in the Portuguese automotive industry together for more than 50 years;
- Representing the interest of this sector near the authorities, the press and other national and international institutions;
- Spreading information about the sector and the market;
- Organizes meetings for suppliers to exchange information and strengthen relations;
- Promotes competitiveness, exports and internationalization of all associated companies;
- Encourages actions of potential buyers to develop Portuguese suppliers;
- Supports the establishment of foreign investors in Portugal.

## Areas of Activity

- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-BAT-10-2020: Next generation and

- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking

realisation of battery packs for BEV and PHEV

# AIMEN

## R&D Institution

Country	Spain
City	PORRINO
Street	RELVA 24A
Web	<a href="http://WWW.aimen.es">http://WWW.aimen.es</a>



## Contact

Name	FERNANDO SANCHEZ
Role	R&D DIRECTOR



## Description

AIMEN is a research organization located in the Northwest of Spain. AIMEN supplies technological support to more than 400 companies dedicated to industrial or commercial activity related to automotive sector, energy, mechanics, shipbuilding, metallurgy, chemicals, aeronautics and others. AIMEN participates in numerous regional, national and international R&D&i and technology transfer activities, in most cases in collaboration with the industry, both SMEs and large multinational companies that can be grouped into the following six research areas: high performance materials, flexible production processes, robotics and automation, laser based manufacturing, micro and high precision manufacturing and environmental technologies.

## Areas of Activity

- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-BAT-12-2020: Novel methodologies for autonomous discovery of advanced battery chemistries
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries



# AIMEN

## R&D Institution

Country	Spain
City	Porrino
Street	
Web	<a href="http://www.aimen.es/">http://www.aimen.es/</a>



## Contact

Name	Ara Núñez Montenegro
Role	R&D&I Area



## Description

AIMEN is a research organization located in the Northwest of Spain. AIMEN supplies technological support to more than 400 companies dedicated to industrial or commercial activity related to automotive sector, energy, mechanics, shipbuilding, metallurgy, chemicals, aeronautics and others. AIMEN participates in numerous regional, national and international R&D&i and technology transfer activities, in most cases in collaboration with the industry, both SMEs and large multinational companies that can be grouped into the following six research areas: high performance materials, flexible production processes, robotics and automation, laser based manufacturing, micro and high precision manufacturing, environmental technologies.

## Areas of Activity

- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-BAT-12-2020: Novel methodologies for autonomous discovery of advanced battery chemistries
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries

# AIPSS - Italian Association of Road Safety Professionals

## Association/Agency

Country	Italy
City	ROMA
Street	Piazza del Teatro di Pompeo, 2
Web	<a href="http://www.aipss.it">http://www.aipss.it</a>



## Contact

Name	Carlo Polidori
Role	President



## Description

The Italian Association of Road Safety Professionals (AIPSS) is a not-for-profit association participated by Italian Universities, road managers and single professionals, aiming at the promotion of road safety best practices and at the dissemination of road safety research results.

AIPSS was established in 2009 in order to promote the application of the results of research and professional development in the field of road safety. We participated and currently participate at H2020 road safety projects

## Areas of Activity

- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers

# AISCAT (Italian Association of Motorways)

## Other

Country	Italy
City	Rome
Street	Via Gaetano Donizetti 10
Web	<a href="http://www.aiscatservizi.com">http://www.aiscatservizi.com</a>



## Contact

Name	Federico Di Gennaro
Role	Head of Strategic Projects



## Description

"Aiscat Servizi" is a consulting engineering company founded in 2005 as subsidiary of AISCAT, (the Italian Association of Toll Motorways and Tunnels Concessionaire Companies) with the aim of supporting the Associates, by providing added-values services in the fields of road engineering and transport economics.

Since its establishment, "Aiscat Servizi" provided its expertise to both national and international partners, by carrying out many assignments aimed at supporting private companies and public entities in improving management and operation policies of transport infrastructure.

Aiscat Servizi can take advantage from the largely recognised experience and expertise of AISCAT gained in 50 years of activity in the field of planning, design, construction, and daily operation and maintenance of toll motorways and tunnels.

## Areas of Activity

- MG-4-7-2020: Digitalisation of the transport system: data sharing
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers

# AKKA TECHNOLOGIES

## Large Company

Country	France
City	Lyon
Street	
Web	<a href="http://www.akka.eu">http://www.akka.eu</a>



## Contact

Name	Sylvain Noureau
Role	Collaborative Projects



## Description

AKKA TECHNOLOGIES ([www.akka.eu](http://www.akka.eu)) is one of the major engineering and technology consultancy group in Europe (21 000 employees; 1.5 Bn.€ turnover). AKKA offers a balanced and diversified portfolio of activities and accompanies its customers at each stage in the life-cycle of their products. AKKA TECHNOLOGIES operates on various domains and especially on Automotive and Aerospace but also Energy, Railway, Space, Defence, IT services, and Healthcare.

Over the past 30 years, the Group has offered turnkey engineering solutions to its clients, who are the world's leading companies in the automotive industry. AKKA TECHNOLOGIES achieves series maturity by taking into consideration the overall context, all the neighbouring components, interfaces, systems, as well as the tool-oriented design and production processes in the following areas:

To implement and sustain AKKA's R&D for answering industrial needs of customers as well as societal and environmental challenges, teams are integrated in a multi-site collaborative platform (AKKA Research) that facilitates exchanges and knowledge sharing from all experts coming from the various AKKA sectors of activities across the AKKA Technologies Group.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use

# Aleris Aluminum

## Large Company

Country Belgium  
City Duffel  
Street

## Contact

Name Elizabeth Szala  
Role R&D Project Manager



## Description

Aleris is a global leader in the manufacture and sale of aluminum rolled products, teaming up for tomorrow to turn ideas into solutions. We supply products for wide range of application: aerospace, automotive and building application. Our production sites are all over the world, in Europe, Northern America and China.

## Areas of Activity

- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- MG-3-6-2020: Towards sustainable urban air mobility
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-BAT-12-2020: Novel methodologies for autonomous discovery of advanced battery chemistries
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty

- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- LC-MG-1-15-2020: Towards global environmental regulation of supersonic aviation
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- vehicles
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries

## Marketplace Opportunities

### PROJECT COOPERATION

#### Partnership on battery and battery casing in particular

We are looking for research partners to collaborate in field of battery research. More specifically on the material side since we are aluminum suppliers. We can propose support for lab-scale or pilot scale prototypes.

# AliénorEU

## Consulting

Country	Belgium
City	Brussels
Street	
Web	<a href="http://alienoreu.com">http://alienoreu.com</a>



## Contact

Name	Elise Regairaz
Role	Partner



## Description

AliénorEU is a consultancy and communication agency specialised in European policies and based in Brussels. We are and have been involved in different EU projects as dissemination WP leader. Our expertise in communication and European policies allows us to ensure an adequate dissemination of the results of innovative projects, therefore bringing the results of the project closer to the citizens, policymakers and the industry.

## Areas of Activity

- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-12-2020: Novel methodologies for
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport

- autonomous discovery of advanced battery chemistries
- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- LC-MG-1-15-2020: Towards global environmental regulation of supersonic aviation
- MG-2-11-2020: Network and traffic management for future mobility
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-3-6-2020: Towards sustainable urban air mobility



# ANADOLU ISUZU OTOMOTIV SAN ve TAS

## Large Company

Country	Turkey
City	KOCAELI
Street	
Web	<a href="http://www.isuzu.com.tr">http://www.isuzu.com.tr</a>

## Contact

Name	Arif Özer
Role	R&D Director



## Description

Anadolu Isuzu is one of the leading medium-sized bus and coach manufacturing companies in Europe whose major shareholders are the Anadolu Group from Turkey, and Isuzu Motors Limited and Itochu Corporation from Japan. The company is the first Japanese joint venture in Turkish automotive industry.

Its main fields of operation are the production and distribution of light duty trucks and midibuses. Since the establishment of the company in 1984, nearly more than 150.000 vehicles have been manufactured in accordance with the Isuzu Motors license agreement.

In 1999 Anadolu Isuzu moved to its new facilities in Gebze Şekerpinar, in Kocaeli. The new facilities are established on an area of 290.000 m<sup>2</sup> where the company employs nearly 900 people. The facilities include two separate plants for truck and bus manufacturing.

As a company, producing commercial vehicles with the license of a world-class Japanese brand in the European region, Anadolu Isuzu drives all its production processes according to the world's famous Japanese quality management systems and the European Union's quality standards and regulations. The inevitable results are the products manufactured at the global standards of excellence.

Anadolu Isuzu's export activities cover nearly 40 countries in three continents. Majority of these markets are subject to the European Union regulations. The company is the midibus export leader in Turkey since 2004. In 2018, Anadolu Isuzu actualized 81 percent of the total midibus exports from Turkey.

## Areas of Activity

- MG-2-11-2020: Network and traffic management for future mobility
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-06-2020: Advanced light materials and their production processes for
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-GV-09-2020: Setting up a common

automotive applications

European research and innovation  
strategy for the future of road transport

# Anadolu Isuzu Otomotiv San ve Tic A.S.

## Large Company

Country	Turkey
City	Kocaeli
Street	Şekerpinar Mah. Otomotiv cad. No:2 Çayırova
Web	<a href="http://www.isuzu.com.tr">http://www.isuzu.com.tr</a>



## Contact

Name	Sonay Uluca Sabuncu
Role	Intellectual Property Rights and Incentives Team Leader



## Description

Anadolu Isuzu is one of the leading medium-sized bus and coach manufacturing companies in Europe whose major shareholders are the Anadolu Group from Turkey, and Isuzu Motors Limited and Itochu Corporation from Japan. The company is the first Japanese joint venture in Turkish automotive industry.

Its main fields of operation are the production and distribution of light duty trucks and midibuses. Since the establishment of the company in 1984, nearly more than 150.000 vehicles have been manufactured in accordance with the Isuzu Motors license agreement.

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## Areas of Activity

- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- MG-2-13-2020: Coordination and support for an integrated freight transport and

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- MG-3-6-2020: Towards sustainable urban air mobility
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- logistics system
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use

## Marketplace Opportunities

### PROJECT COOPERATION

#### Developing, demonstrating and testing opportunities for projects

Anadolu Isuzu is one of the leading medium-sized bus and coach manufacturing companies in Europe whose major shareholders are the Anadolu Group from Turkey, and Isuzu Motors Limited and Itochu Corporation from Japan. The company is the first Japanese joint venture in Turkish automotive industry.

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# Ankara Keçioren Municipality

## Authority/Government

Country	Turkey
City	Ankara
Street	Cumhuriyet Caddesi, No:1 Kalaba Kent Meydani, Keçioren, Ankara, Turkey 06310
Web	<a href="https://www.kecioren.bel.tr/">https://www.kecioren.bel.tr/</a>



## Contact

Name	Gelinta Achmet Oglou
Role	Registered Project Manager



## Description

Keçiören Municipality in Turkey's capital Ankara is the municipality with the largest population. Established in 1983, our municipality since it offers services in many areas. Which is a directorate under our municipal social assistance for disadvantaged groups in society such as violence against women, youth, persons with disabilities, children living and working on the street, sitting in the slums and migrant cuts, poor work we do is create segments.

Some of the activities and international experiences of organization can listed as below and also visit <https://www.kecioren.bel.tr/projeler.html>

- Development of Young Talents of people with disabilities (DESYODIP) Project: Nowadays, one of the biggest problems of disabled young people in the transition to life after school job from psychological and educational support is lacking. With this project will motivate young people to direct counselling services and is intended to be implemented.
- Active for Life Intergenerational Interaction Model (MIRROR) Project: Ankara living in "contribution to the strengthening of the social life of the young and the elderly, reducing the difference in generations of seniors take an active role in the community to ensure young people to contribute to the development of social responsibility aims.
- Youth Democracy Project: Debate Local Community: 3 to 8 May 2013 in partnership with three different countries Romania "s Arieşeni youth project was held in Action 1.3 18 - 25 of 36 young" Open society "for a week on non-formal education activities they perform.
- Disabled Adult Vocational Compliance Module Development (DEVON Me) Project: In all European countries (EU) adults with disabilities are shown outside the working population. Too much training and information services for adults with disabilities (grind) are offered, some of them within the Leonardo da Vinci project, but none of employer and private sector workers to support the employment of adults with disabilities is unable to make the connection work. Prepared in five different languages on the project website can be found at <http://www.devomda.co>.
- Absolutely Mom: "Certainly Mom" Learning Partnership Project "Great Mother" project with victims of domestic violence women's mothering support, training in this area of knowledge, experience sharing and to cooperate and especially immigrant women in this regard to support a team which includes

countries of the European Group created was targeted. Project in partnership with Italy, Belgium, Austria, Spain, Greece, Poland, the country was working with.

- Youth Exchange Project: No! Woman No Cry (Women do not cry) 35 young people from 7 countries participated in EU projects, without the occurrence of violence against women to prevent and combat violence in educational activities with young people was made.

Our entity been involved in many projects both at a national and international level until now, and also our staff is/ was involved in many projects funded by European Social Fund. Therefore, participants' experience and sharing ideas will bring an added value in project activities.

## Areas of Activity

- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- LC-MG-1-15-2020: Towards global environmental regulation of supersonic aviation
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers

# Antasya Software

## SME

Country	Turkey
City	Istanbul
Street	Levent Mah. Fulyali Sok. No:16 Levent Besiktas Istanbul
Web	<a href="http://www.antasya.com">http://www.antasya.com</a>



## Contact

Name	Sinem Tirkes
Role	Business Development Manager



## Description

We deliver integrated ERP, Scheduling and ITS solution to meet your every needs. Our next generation data-driven ITS solution helps transit agencies make smarter decisions and provides efficiency in their operations. We interpret the collected data from IoT devices (CAN, PCS, TPMS, beacon, etc.) and produce essential results about driver behavior, vehicle dynamics and passenger satisfaction. Our time estimation algorithm provides real-time arrival information; which reduce frustrating wait times and improve use of public transportation.

## Areas of Activity

- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use

# Antasya Software and Consultancy

## SME

Country	Turkey
City	Istanbul
Street	Levent Mah. Fulyalı Sok. No:16 Beşiktaş İstanbul
Web	<a href="http://www.antasya.com">http://www.antasya.com</a>

## Contact

Name	Metin Erturkler
Role	CEO



## Description

We deliver integrated ERP, Scheduling and ITS solution to meet your every needs. Our next generation data-driven ITS solution helps transit agencies make smarter decisions and provides efficiency in their operations. We interpret the collected data from IoT devices (CAN, PCS, TPMS, beacon, etc.) and produce essential results about driver behavior, vehicle dynamics and passenger satisfaction. Our time estimation algorithm provides real-time arrival information; which reduce frustrating wait times and improve use of public transportation.

## Areas of Activity

- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

## Marketplace Opportunities

### PROJECT COOPERATION

Driver Behavior Analysis using data collected from CAN Line



We interpret the collected data from iot devices (CAN, PCS, TPMS, beacon, etc.) and produce essential results about driver behavior, vehicle dynamics and passenger satisfaction.

We are seeking out collaboration partners interested in Big Data Analysis, Driver Behavior analysis, and data sharing solutions.

# Applus Laboratories

## Large Company

Country	Spain
City	Bellaterra
Street	Campus UAB
Web	<a href="https://www.appluslaboratories.com/en/">https://www.appluslaboratories.com/en/</a>



## Contact

Name	Alfonso Carpio
Role	R&D Manager



## Description

Applus+ Laboratories specialises in developing technical solutions to enhance product competitiveness and foster innovation.

What we do:

### TESTING

- Structural Testing
- Materials Testing
- Fire Testing
- EMC, Wireless and Electrical Testing
- Environmental Testing
- Cybersecurity Evaluations

### ENGINEERING & DEVELOPMENT

- Composite Manufacturing Solutions
- Automated NDT Equipment
- Test Benches & Test Systems

### CERTIFICATION

- Management Systems Certification
- Product Certification and Market Access
- CE Marking

### CALIBRATION

- Industrial Calibration
- Legal Metrology
- Calibration Outsourcing

## Areas of Activity

- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications

# APRE

## Association/Agency

Country	Italy
City	Rome
Street	
Web	<a href="http://apre.it">http://apre.it</a>

## Contact

Name	Flavia La Colla
Role	Project Manager



## Description

APRE, the Agency for the Promotion of European Research, is a non-profit research organization. For over twenty-five years, APRE, in close collaboration with the Ministry of Education, University and Research (MIUR), has provided its members as well as businesses, government agencies, and private individuals, information, support and assistance for participation in national and European programmes and collaborative initiatives (today, with particular reference to Horizon 2020) in the field of Research, Technological Development and Innovation (RTDI) and in the transfer of research results.

APRE was created in 1989 as a joint initiative of the Italian Ministry of Education, University and Research (MIUR) and some public and private bodies in order to meet the growing demand for information on European research programmes. First reality of its kind, APRE has been supporting the scientific and the industrial community for over 20 years in the path to Europe, and today, to the World, through offering information, training and assistance activities on the participation rules of the Framework Programme of the European Commission.

APRE hosts the Italian National Contact Points for Horizon 2020

The National Contact Point (NCP) network is acknowledged by the European Commission and provides advice and assistance in all aspects of the EU RTDI programme. It is set up across all the Member States, Associated States of the European Union and third countries.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-4-9-2020: The European mobility
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles

culture of tomorrow: Reinventing the wheel?

# APRE

## Association/Agency

Country Italy  
City rome  
Street

## Contact

Name Miriam de Angelis

## Description

Host organisation of the Italian H2020 NCPs

## Areas of Activity

- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation

# APRE Agency for the Promotion of European Research

## Other

Country	Italy
City	Rome
Street	via Cavour, 71
Web	<a href="http://www.apre.it">http://www.apre.it</a>

## Contact

Name	Gabriella Quaranta
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## Description

APRE, the Agency for the Promotion of European Research, is a non-profit research organization. For over twenty-five years, APRE, in close collaboration with the Ministry of Education, University and Research (MIUR), has provided its members as well as businesses, government agencies, and private individuals, information, support and assistance for participation in national and European programmes and collaborative initiatives (today, with particular reference to Horizon 2020) in the field of Research, Technological Development and Innovation (RTDI) and in the transfer of research results. APRE hosts the Italian National Contact Points for Horizon 2020

## Areas of Activity

- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- LC-MG-1-15-2020: Towards global environmental regulation of supersonic aviation
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling

# Arcelik Aş

## Large Company

Country	Turkey
City	Istanbul
Street	
Web	<a href="http://www.arcelikas.com/">http://www.arcelikas.com/</a>

## Contact

Name	Burcu Ozgur AK
Role	Supply Chain Manager

## Description

Having operations in durable consumer goods industry with production, marketing and after-sales services, Arçelik A.Ş. offers products and services around the world with its 30,000 employees, 18 different production facilities in 7 countries (Turkey, Romania, Russia, China, South Africa and Pakistan), its 34 sales and marketing companies in 32 countries all over the world and its 11 brands (Arçelik, Beko, Grundig, Blomberg, ElektraBregenz, Arctic, Leisure, Flavel, Defy , Dawlance and Altus) serving products and services in more than 145 countries

## Areas of Activity

- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport



# Ardan GmbH

## Consulting

Country	Austria
City	Vienna
Street	Handelskai 94-96, Millennium Tower, 23rd Floor



## Contact

Name	David Schmitz
Role	Director Energy & E-Mobility



## Description

Ardan GmbH has successfully built applications for numerous EU projects in the fields of E-Mobility, Autonomous Driving, Battery Storage, Mobility Services, and (Sub-)Urban Logistics. Furthermore, we support leading OEMs, utilities, municipalities, start-ups, research institutions, and mobility service providers in the execution of these projects - in 12 countries of the European Union.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-3-6-2020: Towards sustainable urban air mobility
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage

vehicles in real logistics operations

## Marketplace Opportunities

### PROJECT COOPERATION

## AUTONOMOUS DRIVING LONG DISTANCE STUDY

Testing hybrid communications in real life demo (vehicles from several OEMs):

- Digital infrastructure (both ITS-G5 & 5G)

- SAE levels 3 & 4 advanced, real OEM use cases (beyond Day 1 / Day 2 Services)

ICT, connectivity, backend, cooperative V2X communications in 5.9 GHz and additional bands

- End-to-end architecture, cybersecurity

The project preparation is close to final:

- Already strong consortium established

- 10+ partners, up to 20 Mio. requested funding

- Leading partners from all areas important for a successful application

- Participation by EU OEMs leading in the field: available test vehicles and real-life use cases

- In addition: Telecom, technology & software providers, MaaS providers, research institutes, ITS projects & road operators, standardization associations

We are working with several test beds in DE/AT/SI and are open for partners to enlarge the demo corridors.

# Arnhem Nijmegen City Region

## Authority/Government

Country Netherlands  
City Arnhem  
Street



## Contact

Name Arnout Smit



## Description

In our region, we work on clean mobility, clean fuels, cycling, sustainable (urban) freight, batteries and hydrogen.

Arnhem Nijmegen City Region is situated at the heart of a vast metropolitan area in eastern Netherlands. The region is flanked by the Randstad conglomeration in the west, the Flemish Diamond to the south and the Ruhr to the east. The region has a total population of more than 750.000 inhabitants. The cities of Arnhem and Nijmegen are the focal points of the region, both in terms of inhabitants and economic activity.

Bureau Brussel, Arnhem Nijmegen City Region's Brussels Office, represents and showcases the region's profile, interests and innovations in Brussels and Europe. Our mission is to be the missing link between the region and the European Union.

We do this within a triple helix structure and bring our stakeholders to Brussels and vice-versa. These stakeholders are therefore not limited to the 18 municipalities within the region but are also the many entrepreneurs and knowledge institutes the regions encompasses (e.g. within The Economic Board).

## Areas of Activity

- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system

# ARTTIC

## Consulting

Country	Belgium
City	Brussels
Street	Avenue de la Joyeuse 1
Web	<a href="http://www.arttic.eu">http://www.arttic.eu</a>



## Contact

Name	Ronny Mingels
Role	Liaison Manager EC projects



## Description

ARTTIC assists clients from all business and research sectors, small and large, private and public, to ensure the success of their collaborative research and innovation ventures. During close to 30 years of success, ARTTIC developed and demonstrated expertise in the set-up and management of more than 300 large-scale ambitious projects. Based on its long-standing experience in a range of funding programmes across scientific and technological domains, ARTTIC helps clients to move from strategic plans to effective competitive research and development of innovative solutions, resulting in successful applications and high-performance businesses.

Founded in Paris in 1987, ARTTIC is now a group of companies with main offices in France (Paris and Toulouse), Germany (Munich and Berlin), Belgium (Brussels), England (Derby) and Israel (Tel Aviv). In 2015, ARTTIC has been ranked in Europe by the European Commission considering the number of grant agreements signed by ARTTIC.

## Areas of Activity

- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- LC-BAT-12-2020: Novel methodologies for autonomous discovery of advanced battery chemistries
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries
- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-BAT-11-2020: Reducing the cost of

- LC-MG-1-15-2020: Towards global environmental regulation of supersonic aviation
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation

large batteries for waterborne transport

# AUM Capital

## SME

Country	United Kingdom
City	London
Street	11 Tennyson Court, 14 Dorset Square, Marylebone, London

## Contact

Name	Jayeis B Sonill
Role	CEO



## Description

Development of underlying Urban Air Mobility infrastructure connecting regions and cities. Working in partnership with stakeholders and service providers, creating zero carbon sustainable aviation frameworks, allowing passenger and cargo air travel to be affordable and local.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?

## Marketplace Opportunities

### PROJECT COOPERATION

### Urban Air Mobility - Connecting Cities and Regions

Seeking out collaboration partners to consider policy and implementation of Urban Air Mobility initiatives allowing for the testing and development of next generation air transport networks for cargo and passenger usage.

# AUM Capital

## SME

Country	United Kingdom
City	London
Street	11 Tennyson Court, 14 Dorset Square, Marylebone, London

## Contact

Name	Sotirios Tsigkopoulos
Role	Strategy & Aerospace Consultant



## Description

Development of underlying Urban Air Mobility infrastructure connecting regions and cities. Working in partnership with stakeholders and service providers, creating zero carbon sustainable aviation frameworks, allowing passenger and cargo air travel to be affordable and local.

## Areas of Activity

- LC-MG-1-15-2020: Towards global environmental regulation of supersonic aviation
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- MG-2-11-2020: Network and traffic management for future mobility
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty

- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking vehicles in real logistics operations
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries

## Marketplace Opportunities

### PROJECT COOPERATION

#### Urban Air Mobility - Connecting Cities and Regions

Seeking out collaboration partners to consider policy and implementation of Urban Air Mobility initiatives allowing for the testing and development of next generation air transport networks for cargo and passenger usage.



# AutoKAB

## SME

Country	France
City	Versailles
Street	
Web	<a href="http://www.autokab.com">http://www.autokab.com</a>



## Contact

Name	Carlos Holguin
Role	CEO

## Description

Over 70% of workers in Europe commute by car because they have no other choice. We connect suburban commuters with heavy public transport through on-demand (autonomous) shuttles to help them drop their car and eliminate stress, congestion and pollution in large urban areas.

## Areas of Activity

- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation

## Marketplace Opportunities

### PROJECT COOPERATION

#### Autonomous vehicles in suburbs pilot

Suburbs are L4 automated vehicles best application scenario. We are looking for suburban municipalities to pilot autonomous vehicles to connect mass transit with houses and jobs.

# AVERE

## Association/Agency

Country	Belgium
City	Brussels
Street	
Web	<a href="http://www.averere.org">http://www.averere.org</a>



## Contact

Name	Jayson Dong
Role	Policy Officer

## Description

AVERE (The European Association for Electromobility) is the European association that promotes electromobility and sustainable transport across Europe.

AVERE (The European Association for Electromobility) is the European association that promotes electromobility and sustainable transport across Europe.

Our Members consist Users of Electric vehicles, NGOs, Associations, Interest Groups, Public Institutions, Research & Development Centres, Vehicle and Equipment Manufacturers and other relevant Companies across Europe. We currently have active members in 17 European countries, notably some of the most successful EV countries like Norway, France, The Netherlands and Belgium.

AVERE is the only European association representing and advocating for electromobility on behalf of industry, academia, and EV users at both EU and national levels. On top of advocacy, AVERE provides its members with a unique forum for exchanging knowledge, experience, and ideas on how to stimulate electromobility throughout Europe.

## Areas of Activity

- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and

- testing innovative solutions
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use

- highly automated driving functions for passenger cars
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications

## Marketplace Opportunities

### PROJECT COOPERATION

#### Green Vehicles

Green Vehicles

### PROJECT COOPERATION

#### Batteries

Batteries

# AYMING

## Consulting

Country France  
City Gennevilliers  
Street

## Contact

Name Kosta Skarvelakis  
Role Business Development Manager



## Description

Consulting services related to innovation management, proposal design and set up in H20202 and project management of complex R&D projects

## Areas of Activity

- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-BG-03-2020: Under water noise mitigation and environmental impact

# AZRA MÜHENDİSLİK

## SME

Country	Turkey
City	HATAY
Street	HATAY ARSUZ KIŞLA MAHALLESİ NO:8
Web	<a href="http://azraproje.com/">http://azraproje.com/</a>



## Contact

Name	MEHMET TOSUN
Role	R & D Project Specialist



## Description

- The company started its engineering activities in 2017 and aims to provide optimum engineering service to its customers by gathering the knowledge and skills of many companies that have been pioneers in their sectors before.
- Our aim is to provide timely delivery by providing reasonable price with quality material and correct application in all the works we do. Mechanical installation project works, machinery design activities, ventilation systems manufacturing and installation, steel construction manufacturing and assembly services.
- Our goal is to gain customer satisfaction in all our work to ensure that more customers meet with quality.

## Areas of Activity

- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation

- vehicles in real logistics operations
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-2-11-2020: Network and traffic management for future mobility
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-BAT-12-2020: Novel methodologies for autonomous discovery of advanced battery chemistries
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements

# Balikesir Metropolitan Municipality

## Authority/Government

Country	Turkey
City	Balikesir
Street	
Web	<a href="http://www.balikesir.bel.tr/en">http://www.balikesir.bel.tr/en</a>



## Contact

Name	Cihan T. CAGIL
Role	Project Coordinator / Urban Planner



## Description

Balikesir Metropolitan Municipality is established by the Law Nr. 6360, accepted on 12.11.2012 and published in official gazette on 6 December 2012, regarding "The Establishment of Fourteen Metropolitan Municipalities , Twentyseven County Municipalities with the change in the Decree Laws" and its scope of authority is determined by provincial administrative boundaries.

### Mission Statement:

By preserving the city's historical heritage, it is aimed to have an environment-friendly city with large livable open spaces, aimed to keep alive the hope of people for the future and please them with the developed corporate infrastructure and the modern transportation network, aimed to improve human relations and let everyone have the local services effectively and in time.

## Areas of Activity

- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- MG-2-12-2020: Improving road safety by
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-3-4-2020: Innovative electric network

- effectively monitoring working patterns and overall fitness of drivers
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system

## Marketplace Opportunities

### PROJECT COOPERATION

## A new future of Urban Transport

We are looking for partners to create ideas for the new/smart transport systems and solutions in urban space.



# Balikesir Metropolitan Municipality

## Authority/Government

Country Turkey  
City Balikesir  
Street

## Contact

Name Aydin Karaca  
Role Transportation Expert



## Description

Balikesir Met. Municipality is the largest local government within the province.

## Areas of Activity

- LC-MG-1-13-2020: Decarbonising long distance shipping
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries
- LC-MG-1-15-2020: Towards global environmental regulation of supersonic aviation
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-14-2020: The effects of automation

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- MG-2-11-2020: Network and traffic management for future mobility
- on the transport labour force, future working conditions and skills requirements
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-BAT-12-2020: Novel methodologies for autonomous discovery of advanced battery chemistries
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport

# Basemap Ltd

## SME

Country	United Kingdom
City	Guildford
Street	Surrey Technology Centre, 40 occam road
Web	<a href="http://www.basemap.co.uk">http://www.basemap.co.uk</a>



## Contact

Name	Dan Saunders
Role	Head of Products and Data



## Description

Basemap are a software development company specialising in transport. We manage public transport timetables for all of GB and publish into opendata on behalf of the UK government supporting hundreds of downstream applications.

Basemap are experts in multi-modal travel time, our TRACC software is used all over the world to help plan sustainable development and transport systems and can be used to model new transport routes, or a new footbridge to ascertain its effectiveness.

We are currently working on a product that aims to reduce emissions in city centres by helping delivery vehicles switch from combustion engines to electric, we aim to solve the issue of range anxiety where a driver is afraid of running out of battery. Our proprietary algorithm determines the optimal delivery route for several vehicles by considering factors such as parcel weight, temperature and the gradient of the road. The results can then be compared with combustion engines to help provide a compelling case for switching their delivery fleets.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use

# BEIA Consult International

## SME

Country	Romania
City	Bucharest
Street	Str. Peroni Nr. 16
Web	<a href="http://www.beia.eu">http://www.beia.eu</a>



## Contact

Name	George Suciu
Role	R&D and Innovation Manager



## Description

BEIA Consult International is a R&D performing SME, founded in 1991, and it is one of the leading providers of ICT solutions and services in Romania for cloud communications and IoT telemetry. The company's references include over 5,000 turn-key projects for advanced IT and communications solutions. BEIA is certified ISO 9001, 14001, 18001 and 27001.

We are active in the following domains: service innovation, hardware, sensors, actuators, information technologies, data storage and processing (back end), interfaces, software (front end), integration, communication technologies / tele-systems, learning & training, standardization, communication / dissemination / marketing, business development, project management. Geographically, BEIA covers the whole country of Romania, and as fields of activities, BEIA is able to offer professional solutions, mainly for: (i) communications for companies and organizations (integrating IT&C hardware, software and networks), local telephone and data networks, (ii) communications for small office and homes (PBX, phones, etc), Contact and Call Center (iii) PCM and XDSL transmission systems, (iv) telemonitoring and radio-telemetry (IP / Wireless SCADA), (v) consultancy and implementing of applications – solutions for ICT problems in the following domains: local and central administration, industry and agriculture, power generation, environmental protection, public health, education and culture, national defense and intelligence.

Also, BEIA has experience in coordinating and participating in more than 40 R&D and Innovation projects (FP6, FP7, Structural Funds, H2020, ECSEL/Artemis, Eureka, Eurostars, Celtic, ITEA, COST, AAL, ERA-Net, Interreg, LIFE+, Erasmus+, MSCA, EaP Twinning, JTI, etc.). <http://www.beia.eu>

Moreover, BEIA has implemented and integrated IoT telemetry applications in the field of smart buildings (monitoring HVAC, light, smart power plugs), smart city (noise, air quality, mobility), e-health (tele-diagnosis of diabetes, emergency communication systems for patients, nurses and doctors), environment (monitoring of water, soil and air quality), hydro energy (tele-monitoring of level and flow), solar energy (measurement of solar radiation in photo-voltaic parks, forecasting of energy production according to meteorology sensors, monitoring inverters), agriculture (frost warnings, disease alert for plants, evapo-transpiration calculations, measurement of cumulated degree days), accurate water data (water sensors for hydrographical purposes, from precipitation to water level monitoring of lakes, rivers, wells), efficient water management (leak and burst detection, pressure, flow, level and well monitoring), irrigation management (including sensors for measuring soil moisture, monitor water uptake), heliports (measurement of meteorological parameters), underground (monitoring oil/gas exploration sites, mining tunnels).

Some other IoT/Telemetry use cases (including blockchain) we are implementing are presented here:  
<http://eng.beia-telemetrie.ro>.

Furthermore, BEIA has many partnerships in Romania and can provide a full sub-consortium, including NGO, government, industry, academia, large enterprises and SMEs, for example University "Politehnica" of Bucharest (UPB), Research Institute for Artificial Intelligence / Romanian Academy (RACAI), Romanian Space Agency (ROSA), National Institute for Research and Development in Electrical Engineering (ICPE-CA), National Institute of Aerospace Research "ELIE CARAFOLI" (INCAS), National Institute for Research and Development in Informatics (ICI), Institute for Research and Development in Automation (IPA), The Romanian Academy – "Stefan S. Nicolau" Institute of Virology, University of Medicine and Pharmacy "Carol Davila" Bucharest, Research and Development Institute for Industrializing and Marketing Horticulture Products "HORTING", National Institute for Research and Development in Microbiology and Immunology for the Military "Cantacuzino".

Contact details:

Mobile: +40744914798

Skype: george\_suciu

E-mail: [george@beia.ro](mailto:george@beia.ro)

LinkedIn: <https://www.linkedin.com/in/georgesuciu/>

## Areas of Activity

- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- LC-BAT-12-2020: Novel methodologies for autonomous discovery of advanced battery chemistries
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-3-6-2020: Towards sustainable urban air mobility
- LC-BAT-10-2020: Next generation and

- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
  - LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries
  - MG-4-7-2020: Digitalisation of the transport system: data sharing
  - DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
  - LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- realisation of battery packs for BEV and PHEV
  - LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
  - MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
  - MG-BG-03-2020: Under water noise mitigation and environmental impact
  - LC-BAT-8-2020: Next-generation batteries for stationary energy storage

# BEIA CONSULT INTERNATIONAL

## SME

Country	Romania
City	București
Street	Strada Peroni 16
Web	<a href="http://www.beiaro.eu/">http://www.beiaro.eu/</a>



## Contact

Name	Carmen-Veronica Bobeanu
Role	R&D Consultant



## Description

BEIA Consult International is a R&D performing SME, founded in 1991, and it is one of the leading providers of ICT solutions and services in Romania for cloud communications and IoT telemetry. The company's references include over 5,000 turn-key projects for advanced IT and communications solutions. BEIA is certified ISO 9001, 14001, 18001 and 27001.

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Also, BEIA has experience in coordinating and participating in more than 40 R&D and Innovation projects (FP6, FP7, Structural Funds, H2020, ECSEL/Artemis, Eureka, Eurostars, Celtic, ITEA, COST, AAL, ERA-Net, Interreg, LIFE+, Erasmus+, MSCA, EaP Twinning, JTI, etc.).

Moreover, BEIA has implemented and integrated IoT telemetry applications in the field of smart buildings (monitoring HVAC, light, smart power plugs), smart city (noise, air quality, mobility), e-health (tele-diagnosis of diabetes, emergency communication systems for patients, nurses and doctors), environment (monitoring of water, soil and air quality), hydro energy (tele-monitoring of level and flow), solar energy (measurement of solar radiation in photo-voltaic parks, forecasting of energy production according to meteorology sensors, monitoring inverters), agriculture (frost warnings, disease alert for plants, evapo-transpiration calculations, measurement of cumulated degree days), accurate water data (water sensors for hydrographical purposes, from precipitation to water level monitoring of lakes, rivers, wells), efficient water management (leak and burst detection, pressure, flow, level and well monitoring), irrigation management (including sensors for measuring soil moisture, monitor water

uptake), heliports (measurement of meteorological parameters), underground (monitoring oil/gas exploration sites, mining tunnels).

Other IoT/Telemetry use cases (including blockchain) we are implementing are presented here: <http://eng.beia-telemetrie.ro>.

Furthermore, BEIA has many partnerships in Romania and can provide a full sub-consortium, including NGO, government, industry, academia, large enterprises and SMEs, for example University "Politehnica" of Bucharest (UPB), Research Institute for Artificial Intelligence / Romanian Academy (RACAI), Romanian Space Agency (ROSA), National Institute for Research and Development in Electrical Engineering (ICPE-CA), National Institute of Aerospace Research "ELIE CARAFOLI" (INCAS), National Institute for Research and Development in Informatics (ICI), Institute for Research and Development in Automation (IPA), The Romanian Academy – "Stefan S. Nicolau" Institute of Virology, University of Medicine and Pharmacy "Carol Davila" Bucharest, Research and Development Institute for Industrializing and Marketing Horticulture Products "HORTING", National Institute for Research and Development for Microbiology and Immunology "Cantacuzino"(NIRDMI).

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- MG-3-6-2020: Towards sustainable urban air mobility
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries
- LC-MG-1-15-2020: Towards global environmental regulation of supersonic aviation
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- MG-2-11-2020: Network and traffic



- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage management for future mobility
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use

## Marketplace Opportunities

### PROJECT COOPERATION

#### Telemetry M2M/IoT/Blockchain Applications across a Distributed Cloud Platform

BEIA Consult International has delivered several R&D projects where cloud and wireless heterogeneous network technologies for Smart, green and integrated Transport are studied and experimented, including blockchain.

BEIA has experience in smart grid/PV/EV systems (living lab with inverters, batteries, smart circuit breakers, solar panels, hybrid/EV vehicles) from the project Power2SME (<https://www.beiaro.eu/power2sme/>).

Also, BEIA has advanced IoT skills for monitoring of environmental conditions (<http://eng.beia-telemetrie.ro/environmental-monitoring/>, <http://www.beiaro.eu/telmonaer/>) and has experience in predictive maintenance (<http://www.beiaro.eu/smart-pdm/>).

Furthermore, the company is developing sensor networks for real-time monitoring (including seismic activity, radioactivity, tsunamis, marine/maritime activities, floods).

Currently, BEIA is developing a M2M Telemetry for basic Water Monitoring on the Danube river (water level and temperature monitoring) that is crucial for ensuring an efficient management of the Danube river navigation. The previous situation of monitoring efforts has resulted in experimental data logging equipment that does not fulfil requirements of reliable GSM transmission and sustainable power supply. Furthermore, the existing equipment is scattered in few locations and more professional remote telemetry units are required. The sensors utilized are those for: Air temperature, Air Humidity, Leaf wetness, Precipitation intensity, Wind speed, Solar radiation.

Moreover, BEIA has experience with software for Energy Remote Management System and manages an ongoing project "TELEGREEN / Telemonitoring System equipment, installations and facilities for the production of clean energy". Furthermore, BEIA is using Blockchain technology for the security of smart grids.

Previous/ on-going projects in the area:

- MobiWay (National): Mobility Beyond Individualism: an Integrated Platform for Intelligent Transportation Systems of Tomorrow
- EV-BAT (National): Redox battery with fast charging capacity as a main source of energy for electric auto vehicles
- SWITCH (H2020): Software Workbench for Interactive, Time Critical and Highly self-adaptive Cloud applications
- ASUA (Celtic): Advanced Sensing for Urban Automation
- WATER-M (ITEA): Unified Intelligent WATER Management

# Berlin Partner für Wirtschaft und Technologie GmbH

## Other

Country	Germany
City	Berlin
Street	Fasanenstraße 85
Web	<a href="http://www.berlin-partner.de">http://www.berlin-partner.de</a>

## Contact

Name	Wolfgang Treinen
Role	Project Manager Innovation EEN



## Description

Berlin's Business Promotion Agency

## Areas of Activity

- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty

requirements

vehicles in real logistics operations

# Bernal Institute, University of Limerick

## University

Country	Ireland
City	University of Limerick
Street	MS1-013-022, Materials and Surface Science Institute
Web	<a href="http://ul.ie">http://ul.ie</a>

## Contact

Name	Hugh Geaney
Role	Principal Investigator



## Description

With strong links to business and industry, UL excels at translational research which aims to accelerate the practical application of academic research to benefit society. UL houses some of the most innovative and successful research centres in Ireland. UL has extensive research activity in the energy storage area

## Areas of Activity

- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-BAT-12-2020: Novel methodologies for autonomous discovery of advanced battery chemistries
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies

# BMA Technology

## R&D Institution

Country	Turkey
City	Kocaeli
Street	
Web	<a href="http://www.bma-technology.com/tr/">http://www.bma-technology.com/tr/</a>

## Contact

Name	Büşra Eryılmaz
Role	Automation and Drives Engineer

## Description

BMA Technology is an engineering and manufacturing company focused on the Marine Industry. As an Electrical System Integrator, the primary concentration areas of BMA Technology are design, development, production and installation of Electrical, Automation and E-Propulsion Systems for marine applications. In more detail, our scope of supply consists of LV Switchboards, Consoles, Integrated Alarm Monitoring and Control Systems, Hybrid & E-Propulsion Solutions (Alternators, E-Drives, Motors) and Installation.

BMA Technology focuses on Research & Development, looking for ways in which we can be different, striving to design reliable, user friendly and cost-effective systems. BMA Technology is certified as a R&D Center by the Turkish Ministry of Science, Industry and Technology.

Our engineering departments combine young engineers with experienced colleagues who have robust experience in various compelling and important projects to build up teams with dynamic & professional features.

Our modern engineering and production facility, with a 2500 m<sup>2</sup> production area, is located in GOSB (Gebze Organized Industrial Zone), within reach of Tuzla, Yalova and İzmit, Turkey's third biggest shipyard zones.

## Areas of Activity

- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- LC-BAT-8-2020: Next-generation

- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- batteries for stationary energy storage
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport

# Boğaziçi University TTO Co.

## Other

Country	Turkey
City	istanbul
Street	
Web	<a href="http://tto.boun.edu.tr">http://tto.boun.edu.tr</a>



Boğaziçi Üniversitesi  
Teknoloji Transfer Ofisi

## Contact

Name Öznur Kaptan



## Description

Boğaziçi University Technology Transfer Office was established in December 2012 in order to create an economic value and to assure its return to the University by transferring knowledge and technology from the University to industry. TTO acts as a medium to bring the University and industry together to develop mutual projects and to design intellectual property rights and working conditions with contracts. TTO also provides services for management and licensing of intellectual and industrial rights.

## Areas of Activity

- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-2-11-2020: Network and traffic management for future mobility
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for

vehicles

- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
  - LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
  - LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
  - LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
  - MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
  - DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
  - LC-BAT-12-2020: Novel methodologies for autonomous discovery of advanced battery chemistries



# Boğaziçi University Technology Transfer Office Co.

## Other

Country	Turkey
City	İstanbul
Street	Teknoloji Transfer Ofisi, Boğaziçi Üniversitesi Güney Kampüs, No:10, 34342, Bebek, İstanbul, Türkiye
Web	<a href="http://tto.boun.edu.tr/">http://tto.boun.edu.tr/</a>



## Contact

Name	Gulcin Avul
Role	University Industry Collaboration Coordinator

## Description

Boğaziçi University Technology Transfer Office was established in December 2012 in order to create an economic value and to assure its return to the University by transferring knowledge and technology from the University to industry. Boğaziçi University has nurtured the values, culture and institutional image of knowledge creation and entrepreneurship since its establishment as Robert College in 1863. It promotes research which is relevant to real life, is committed to serve humanity in every field from literature to art, from science to technology, for the benefit of society. Boğaziçi University has carried out the activities regarding the implementation and management of research projects as well as technology transfer through its various units, such as The Office for Sponsored Research, Financial Coordination Office for Research Projects, Administrative Coordination Office for Research Projects, The Office of Industry Relations, Intellectual Property Committee and Patent Office until the establishment of Technology Transfer Office. In this ecosystem, TTO works as an interface and facilitator to promote the collaboration with Industry and to utilize the funding sources effectively.

TTO assists inventors, innovators and entrepreneurs in the process of converting their ideas into technology, commercializing the technology by transferring it to the industry and creating an economic value from which both society and university benefit mutually.

## Areas of Activity

- MG-4-7-2020: Digitalisation of the transport system: data sharing
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- LC-BAT-12-2020: Novel methodologies for autonomous discovery of advanced

- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries

# BOR&BAR UG

## SME

Country	Germany
City	Berlin
Street	Helmerdingstr. 8
Web	<a href="http://www.borandbar.com">http://www.borandbar.com</a>



## Contact

Name	Damian Borowski
Role	Managing Director



## Description

BOR&BAR is a boutique consultancy helping clients to strategically engage with funding programmes. We work with large industries and SMEs in the field of transport.

## Areas of Activity

- LC-MG-1-13-2020: Decarbonising long distance shipping
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport

# Bridgestone Europe

## Large Company

Country	Belgium
City	zaventem
Street	Kleine Kloosterstraat 10



## Contact

Name	Alessandro Cascini
Role	Head of Public Affairs



## Description

The Bridgestone Group, headquartered in Tokyo, is the world's largest tire and rubber company. With the acquisition of Tom Tom Telematics and the launch of several telematics and soft-mobility solutions, Bridgestone is rapidly transforming into a brilliant mobility solutions leader.

## Areas of Activity

- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-09-2020: Setting up a common
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use

European research and innovation  
strategy for the future of road transport

# BRISA BRIDGESTONE SABANCI

## Large Company

Country Turkey  
City KOCAELİ  
Street

## Contact

Name Nazlı Elif Üstüntay  
Role R&D Project Coordination  
Engineer



## Description

### BRISA BRIDGESTONE SABANCI

The foundations of Turkey's industry leader company were laid in 1974 with the initiative of Sabanci Holding and its partners, and under the brand name Lassa. The establishment of Brisa dates back to 1988 with the partnership of Sabanci Holding and the world's tyre sector leader Bridgestone Corporation, which kick started the journey of the Lassa and Bridgestone brands...

We add value to our business partners and customers through our products and services Celebrating the 40th anniversary of "Turkey's tyre brand" Lassa in 2014, our company continues to pioneer the sector and add value to its customers with its main brands namely Bridgestone, Lassa, Firestone, Dayton and Kinesis tyre brands, Bandag tyre retreading brand, Energizer battery brand, together with Otopratik, Propratik, Lastigim, Lastik Vs. and Speedy signboarded sales and services points; Bridgestone Box and "lastik.com.tr" alternative sales channels; Road Help (Bridgestone Road Friend Hot Line, Lassa Road Help, Filofix), Profleet, Mobilfix and Tyre Hotel (tyre storage service) services and Brisa Academy training channel..

We manufacture tyres under our brand names Bridgestone and Lassa, for passenger cars, light commercial vehicles, buses, trucks, tractors and construction equipment all in compliance with international standards regarding the safety and quality criteria as well as import Firestone branded tractor tyres, Dayton branded passenger car tyres, Kinesis solid forklift tyres produced in Sri Lanka and Bridgestone motorcycle tyres, thus offering a total of 1.800 varieties of tyres to the market.

Our products and services are provided at approximately 1200 signboarded sales points domestically. Our Lassa branded tyres manufactured with the manual labour of Brisa workers are at the disposal of the vehicle owners in more than 60 countries and at over 120 signboarded sales points.

At the same time, automotive manufacturers like Oyak Renault, Toyota, Ford Otosan, Fiat, Honda, Mercedes Benz, BMC, Tamsa, Anadolu Isuzu, Otokar, Karsan, Türk Traktör and MAN use the products of both Lassa and Bridgestone tyres as original equipment.

Getting ready for our second factory in Aksaray

Our Kocaeli manufacturing facility is the world's largest tyre factory housed under one roof in a 361.000 m2 closed area and, one of the largest important manufacturing bases of Bridgestone Corporation around the globe.

We have started the preparations for our second factory, which will be established on a 950.000 m2 area within the Aksaray Organized Industrial Zone and with an investment of 300 million USD. The factory in, which we target to start production in 2018 will manufacture tyres for passenger and light commercial vehicles. In this respect we will add an extra 4,2 million units annually to our current Izmit

manufacturing capacity, thus increasing our overall capacity by 30%.

### Areas of Activity

- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise

# Bursa Metropolitan Municipality

## Authority/Government

Country	Turkey
City	BURSA
Street	Zafer Mah. Ankara yolu Caddesi. No: 1
Web	<a href="https://www.bursa.bel.tr/">https://www.bursa.bel.tr/</a>



## Contact

Name	Recep AYDIN
Role	Project Development Specialist



## Description

We are the local authority in the city with a population of 3 million. We are working on sustainable urban transportation.

## Areas of Activity

- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns



- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
  - MG-3-6-2020: Towards sustainable urban air mobility
  - MG-BG-03-2020: Under water noise mitigation and environmental impact
- and overall fitness of drivers
  - MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements

# BURSA METROPOLITAN MUNICIPALITY

## Authority/Government

Country	Turkey
City	BURSA
Street	
Web	<a href="http://www.bursa.bel.tr">http://www.bursa.bel.tr</a>

## Contact

Name	Ömer YILDIZ
Role	Smart City & Innovation Dept. - Engineer



## Description

Smart City R&D Department.

## Areas of Activity

- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- LC-MG-1-15-2020: Towards global environmental regulation of supersonic aviation
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-2-10-2020: Enhancing coordination

- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

- between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-2-11-2020: Network and traffic management for future mobility

## Marketplace Opportunities

### PROJECT COOPERATION

#### Integrated Transport Models

We would like to discuss the integrated transport models. Also, as mobility as a service - MaaS idea is being analyzed recently, we are also searching for cooperation in this area.

### PROJECT COOPERATION

#### Traffic Analysis with Camera/Image Analysis

We are planning to analyze and create a model for the congested traffic areas in city center using with mobile cameras, fixed traffic cameras and drones including cameras.

### PROJECT COOPERATION

#### Alternative and Integrated Transport Systems

We are planning to install electricity scooter, bike and other vehicles integrated with the conventional transport systems like bus, railway and so on. We would like to analyze the usage amounts, energy distribution plans and social effects of the project. We will also plan to create new business models in transportation.

# CARA, European Cluster for Mobility Solutions

## Association/Agency

Country	France
City	Lyon
Street	c/o CCI LYON METROPOLE Saint-Etienne Roanne, Place de la Bourse
Web	<a href="https://www.cara.eu/">https://www.cara.eu/</a>



## Contact

Name	Jean-Baptiste HAHN
Role	European mission coordinator

## Description

CARA, French cluster based in Auvergne-Rhône-Alpes, comprises over 200 members, including manufacturers, transport operators, universities, research and education centers. CARA is associate member and representative of the PFA Automotive Industry and Mobilities.

CARA is an association aiming to be the leading French cluster in Europe addressing the global challenges of urban mobility and vehicles of tomorrow, that fulfills two missions:

- Represent the regional automotive and industrial vehicles sector
- Support the transformation of passengers and goods transport systems in urban environments.

From the drawing board through to market launch, CARA implements collective actions: research and innovation projects, pilots in real life situation, and measures for the economic and industrial development of its members.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport

initiative for accelerating EU-wide market  
access, scale up and derisking

# Catalonia Institute for Energy Research (IREC)

## R&D Institution

Country	Spain
City	Sant Adria del Besos (Barcelona)
Street	
Web	<a href="http://www.irec.cat">http://www.irec.cat</a>



## Contact

Name	Federico Noris
Role	Energy Business Developer



## Description

The Catalonia Institute for Energy Research was created in 2009 and it currently has 120 employees. Its mission is to create a more sustainable future for energy generation, distribution and consumption while fostering competitiveness via knowledge and technology transfer and providing society with the maximum level of energy security.

Bearing in mind the principles that motivated the Institute's creation, the IREC has established a framework of reference based on research sciences, technology development and innovation. The Institute is organized into 2 research areas: 1) Systems, Communities and Buildings and 2) Advanced Materials for Energy.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-BAT-12-2020: Novel methodologies for
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- MG-2-11-2020: Network and traffic management for future mobility
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries

- autonomous discovery of advanced battery chemistries
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
  - LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries

## Marketplace Opportunities

### PROJECT COOPERATION

## Collaboration on energy aspects of mobility

We are interested to engage with partners and consortium working in the defined topics. Our expertise focus on energy aspects related to e.g., Hydrogen, EV batteries, EV chargers

# Catalonia Trade & Investment

## Authority/Government

Country	Belgium
City	Bruxelles
Street	Rue de la Loi 227
Web	<a href="http://www.accio.gencat.cat/ca/serveis/oficines-exteriors/brusseles/">http://www.accio.gencat.cat/ca/serveis/oficines-exteriors/brusseles/</a>

## Contact

Name	Sergi Nin
Role	Junior Consultant



## Description

The Catalonia Trade & Investment office in Brussels is directed by Ana Coelho. Trained in business administration in Paris, she has extensive experience working with multilateral organizations and, in particular, with the European Commission in Brussels. ACCIÓ's office in Brussels opened in 1989 and has a further five consultants who specialize in innovation, attracting investment and international public procurement.

In addition to helping Catalan companies with access to the Benelux markets, the ACCIÓ office in Brussels specializes specifically in facilitating access to calls for tenders funded by the European institutions.

The office works with companies in virtually all sectors, including the design and the experience industries, industrial systems, chemicals, energy and resources, and food. Although this office specializes in international public procurement, many projects also entail a search for sales channels, scheduling business meetings and market research.

## Areas of Activity

- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions



# CDTI - SOST

## R&D Institution

Country Spain  
City Madrid  
Street

## Contact

Name Santiago Cernadas



## Description

SOST is the Spanish liaison office for S&T in Brussels under the Centre for Technology and Industrial Development (CDTI). CDTI is the Spanish government agency working under the Ministry of Economy and Competitiveness in charge of fostering the technological development and innovation capacity of Spanish companies through funding their R&D and innovation projects both at national and international levels. CDTI is responsible as well as for most of H2020 Pilar II and III initiatives.

## Areas of Activity

- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- MG-2-14-2020: The effects of automation on the transport labour force, future
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise

working conditions and skills  
requirements

# CEA List

## R&D Institution

Country	France
City	Palaiseau
Street	
Web	<a href="http://www-list.cea.fr">http://www-list.cea.fr</a>



## Contact

Name Fabrice Auzanneau



## Description

Within the CEA (French Alternative Energies and Atomic Energy Commission) Technological Research Division, the CEA LIST institute carries out research on intelligent digital systems. Its R&D programs, all with potentially major economic and social implications, focus on advanced manufacturing, embedded systems (computing architectures, software and systems engineering, security & safety), and ambient intelligence. By developing cutting-edge technological research with applications in the industrial markets of transports, defense and security, manufacturing, energy and health, the CEA LIST helps its partners to enhance their industrial competitiveness thanks to innovation and technology transfer.

## Areas of Activity

- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-3-6-2020: Towards sustainable urban air mobility
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and

## Marketplace Opportunities

### PROJECT COOPERATION

#### Innovative method and system for SHM of composite structures

CEA has developed a very high background and several methods for structural health monitoring of composite structures. Such methods (based on wave propagation, either acoustic or electric) can be combined with our ML / AI framework for the development of smart data processing algorithms able to detect and locate defects.

Our knowledge in embedded systems prototyping (electronic design, FPGA...) enables the very quick design and realization of a testable prototype.

## Other

Country	Portugal
City	Porto
Street	
Web	<a href="http://www.ceiia.com">http://www.ceiia.com</a>



## Contact

Name	Raquel Sousa
Role	Senior Manager of R&D Investment



## Description

We are an Engineering Centre that designs, develops and operates innovative products in the mobility industries, namely Automotive and Urban Mobility, Aeronautics, Ocean and Space. An international reference in the sustainable mobility area, partner in many international projects, recognized among other competencies, for our skills in structural engineering.

## Areas of Activity

- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-4-7-2020: Digitalisation of the transport system: data sharing

# Cenex

## R&D Institution

Country	United Kingdom
City	Loughborough
Street	Holywell Building, Loughborough University
Web	<a href="http://www.cenex.co.uk">http://www.cenex.co.uk</a>



## Contact

Name	Keith Budden
Role	Head of Business Development



## Description

Independent not for profit research and technical organisation based in the UK and the Netherlands. 15 years expertise in low emission vehicle and associated energy infrastructure. Broad expertise in mobility technologies, demonstrations and data analysis. Expertise in business case analysis, duty cycles and human factors. World leaders in smart charging and V2G analysis, business case, technology and standards. Experts in dissemination actions.

## Areas of Activity

- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions

# Cenex Nederland

## Other

Country	Netherlands
City	Amsterdam
Street	Overhoeksplein 2
Web	<a href="http://www.cenexgroup.nl">http://www.cenexgroup.nl</a>



## Contact

Name	Theodora Skordili
Role	Business Development Manager



## Description

Cenex Nederland is a not for profit organisation based in Amsterdam. We deliver research and consultancy projects in low carbon vehicle technology and infrastructure. Our expertise covers the area of smart mobility (i.e. smart charging, vehicle-to-grid, connected and automated vehicles). We can support with business case analysis, pilot support and coordination. We are also active and pursue to work on more projects that address the circular economy in mobility (light EVs, end-of-life management, EV batteries for static storage etc.).

## Areas of Activity

- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use

# Centre for EU Transport Projects

## Authority/Government

Country	Poland
City	Warsaw
Street	Plac Europejski 2
Web	<a href="http://www.cup.gov.pl">http://www.cup.gov.pl</a>



## Contact

Name	Edyta Jaszczuk
Role	Expert

## Description

The Centre for EU Transport Projects is a public body responsible for EU funds distribution in area of transport (infrastructure, rolling stock, IT, ERTMS, safety) and provides beneficiaries with comprehensive support from the project identification through implementation to the completion. The CEUTP employs more than 300 highly qualified specialists and offers experience in the field of economic and financial analysis, environmental experts, cooperation with EU institutions, central and local administration and with many transport market stakeholders. The CEUTP activities, apart from funds distribution, for example in the field of collection of transport data from various areas of the transport sector at the national level, including implementation of the traffic model, support cities in the process of preparing Sustainable Urban Mobility Plans and promotion of actions aimed at people with reduced mobility and disabilities, allow to offer a wide range of areas for joint cooperation and development.

## Areas of Activity

- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers



# Centre for European Union Transport Projects

## Authority/Government

Country	Poland
City	Warsaw
Street	Plac Europejski 2
Web	<a href="https://www.cupt.gov.pl/en/">https://www.cupt.gov.pl/en/</a>



## Contact

Name	Tomasz Wydra
Role	Head of Preparatory Project Unit



## Description

The Centre for EU Transport Projects is a public body responsible for EU funds distribution in area of transport (infrastructure, rolling stock, IT, ERTMS, safety) and provides beneficiaries with comprehensive support from the project identification through implementation to the completion. The CEUTP employs more than 300 highly qualified specialists and offers experience in the field of economic and financial analysis, environmental experts, cooperation with EU institutions, central and local administration and with many transport market stakeholders. The CEUTP activities, apart from funds distribution, for example in the field of collection of transport data from various areas of the transport sector at the national level, including implementation of the traffic model, support cities in the process of preparing Sustainable Urban Mobility Plans and promotion of actions aimed at people with reduced mobility and disabilities, allow to offer a wide range of areas for joint cooperation and development.

## Areas of Activity

- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers

# Centre of Excellence in Information and Communication Technologies (CETIC)

## R&D Institution

Country	Belgium
City	Charleroi
Street	Avenue Jean Mermoz 28
Web	<a href="https://www.cetic.be/?lang=en">https://www.cetic.be/?lang=en</a>



## Contact

Name	Philippe Massonet
Role	Scientific Coordinator



## Description

As an applied research centre in the field of ICT, CETIC's mission is to support economic development by transferring the results of the most innovative research in ICT to companies, particularly SMEs. CETIC helps companies integrate these technological breakthroughs into their products, processes and services, enabling them to innovate faster, save time and money and develop new markets. CETIC develops its expertise in key technologies, including Big Data, Cloud Computing, the Internet of Things, software quality, and trust and security of IT systems. These innovations are applied in domains of primary importance to society, such as health, smart mobility, energy and industry. This expertise is continuously supplemented through CETIC's active involvement in European and regional projects. CETIC is located on the Aeropole of Charleroi, in the Walloon region, Belgium.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-4-7-2020: Digitalisation of the transport system: data sharing

## Marketplace Opportunities

### PROJECT COOPERATION

ICT research center with experience in transportation projects is looking for consortiums

CETIC has expertise in Cloud/edge/IoT infrastructures that underlie many smart transportation/city infrastructures. We specifically have expertise in the deployment, monitoring and quality of service management of smart applications deployed in such infrastructures. If there are optimisation

challenges in smart applications, CETIC can also provide its OSCAR.cbls open source tool and expertise in near real time optimisation technology (<https://bitbucket.org/oscarlib/oscar/wiki/CBLS>).

# Centro Español de Logística

## Association/Agency

Country	Spain
City	Coslada
Street	CEXCO, Coslada
Web	<a href="https://cel-logistica.org/">https://cel-logistica.org/</a>

## Contact

Name	Juan Del Viejo
Role	Project Manager

## Description

The Spanish Logistics Center is the national and international reference association for the management of the supply chain in Spain. Focused on providing value to its partners through knowledge and innovation in logistics management.

## Areas of Activity

- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-6-2020: Towards sustainable urban air mobility

# CERIS, Instituto Superior Técnico, Universidade de Lisboa

## University

Country	Portugal
City	Lisbon
Street	Av. Rovisco Pais, 1
Web	<a href="http://ceris.pt/?action=employee_detail_modal&amp;CodColaborador=110">http://ceris.pt/?action=employee_detail_modal&amp;CodColaborador=110</a>



## Contact

Name	Filipe Moura
Role	Associate Professor



## Description

CERIS stands for Civil Engineering Research and Innovation for Sustainability and addresses the following cross-cutting themes related to the Built and Natural Environment: Product Development in Civil Engineering Industries; Risk and Safety in the Built and Natural Environment; Rehabilitation of Built and Natural Environments; Response to Natural and Societal Changes. More particularly, the Transportation Systems Research Group addresses a wide range of topics, where I highlight Sustainable Urban mobility, Active Modes, and Travel behavior. CERIS achieved the maximum evaluation score of the Foundation for Science and Technology, Portugal, based on its excellent track record of research projects and peer-reviewed publications, including for the transportation Systems research group.

## Areas of Activity

- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking

# CETIC

## R&D Institution

Country	Belgium
City	Charleroi
Street	
Web	<a href="http://www.cetic.be">http://www.cetic.be</a>



## Contact

Name	Renaud De Landtsheer
Role	Department Manager / R&D expert



## Description

CETIC is a Research centre in Belgium. My department is active in optimization and provides a state of the art flexible and scalable optimization engine that is devoted to routing optimization. It is called Oskar.cbls. In this matchmaking, I am looking for opportunities to apply my tool to solve transportation problems such as route planning, scheduling, route optimization, packing, energy scheduling, hybrids of these, etc.

## Areas of Activity

- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- LC-BAT-12-2020: Novel methodologies for autonomous discovery of advanced battery chemistries
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport

# Circle SpA

## SME

Country	Italy
City	Genoa
Street	
Web	<a href="http://circletouch.eu">http://circletouch.eu</a>



## Contact

Name	Marilena Branchina
Role	Business Development and Innovation Manager



## Description

Circle SpA is an innovative and dynamic company, a partner for business activities of its own customers supporting growth through the integration of innovation and the achievement of process efficiency. By means of integration between a structured and pragmatic consulting approach, innovative technological solutions and multichannel marketing projects it consolidates every day relationships in transparency and trust with its own customers in order to turn ("touch") their ideas into business results, concrete and measurable. Circle is a partner for Italian and European companies that want to take the challenge of innovation, internationalization, growth and at the same time of efficiency, better organization and effective processes. Circle relies on vertical solutions and know how in the fields of intermodal freight transport, ports, inland terminals and logistics. Particularly through the development of innovative applications of RFID technology, Circle provides solutions for the optimized management of yards and multimodal movement, the complete traceability of goods throughout the logistics chain, and the simplification of customs procedures. Circle's innovative solution Milos, is the modular suite for optimizing the transport of containers, trailers, cars and general cargo through the intermodal supply chain, in order to swiftly sort goods arriving at logistic hubs and rapidly handle and trace them in a door-to-door perspective

## Areas of Activity

- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- LC-GV-06-2020: Advanced light materials

- innovation
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations

and their production processes for automotive applications



# City of Helmond / Smartwayz.nl

## Authority/Government

Country	Netherlands
City	Helmond
Street	

## Contact

Name	Tamara Goldsteen
Role	Senior Project Manager Smart and Green Mobility

## Description

City/region with a living lab on Smart Mobility (C-ITS, automated driving).

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

# Cinter

## Other

Country Turkey  
City İstanbul  
Street

## Contact

Name burak gedik  
Role Innovation Consultant and  
Entrepreneur



## Description

Collective innovation Center to create an environment for startups

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- LC-MG-1-13-2020: Decarbonising long distance shipping
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications

# Cleancarb

## SME

Country	Luxembourg
City	Kopstal
Street	2 a rue schmitz
Web	<a href="http://www.cleancarb.com">http://www.cleancarb.com</a>

## Contact

Name	Minette Yandoua
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## Description

Provide engineering services in the following areas:

- Energy storage system design using LiPo/Supercapacitors incl. cooling
- Electric motors for EVs
- Project Management
- R+D projects e.g. EU FP7 and H2020
- Technology transfer

## Areas of Activity

- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV

# COMSA corporación de infraestructuras

## Large Company

Country Spain  
City Barcelona  
Street

## Contact

Name Angel Font  
Role Head of R+D programmes



## Description

COMSA Corporación is the first largest unlisted Spanish group in the infrastructures and engineering sector. With more than a century of experience behind it, COMSA Corporación mainly operates in the fields of Infrastructures and Industrial Engineering; Services and Technology; and Concessions and Renewable Energy.

## Areas of Activity

- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage

# CRM Group

## R&D Institution

Country	Belgium
City	Liège
Street	
Web	<a href="http://www.crmgroup.be">http://www.crmgroup.be</a>



## Contact

Name	Ahmed Rassili
Role	Senior Project Leader



## Description

CRM Group activities are centered on the production, transformation, coating and use of metallic materials. Since 1948 we offer R&D and technology solutions focusing on the development of innovative processes and products that create value for our industrial partners. Our group combines skilled and experienced research teams with unparalleled testing facilities covering the whole manufacture chain of metals, from raw materials to advanced steel applications, ranging in size from laboratory scale to pilot and even semi-industrial production lines. CRM Group is also active in the domains of environment and renewable energy, recycling and resource efficiency, advanced 3D manufacturing and construction...

## Areas of Activity

- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport

# CTA

## Association/Agency

Country	Spain
City	Seville
Street	
Web	<a href="https://www.corporaciontecnologica.com/en/index.html">https://www.corporaciontecnologica.com/en/index.html</a>



## Contact

Name	Carlos Garcia
Role	Head of Sector



## Description

CTA is a cross-cutting PPP focused on industry led RTDI, in particular in transport and infrastructure issues, with more than 150 associated companies

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport

## Marketplace Opportunities

### PROJECT COOPERATION

#### Application of robotics & drones to civil infrastructure planning and maintenance

Improved design and further deployment of advanced IT solutions to sustainable infrastructure planning, design, construction and maintenance

### PROJECT COOPERATION

#### Innovative matchmaking platform to foster deployment of first of a kind

## solutions for sustainable transport and mobility

Setting up of a new purchase aggregation and matchmaking system and platform to allow for innovative transport and mobility solutions. As a PPP we can offer as partner close contacts with public buyers, industry and academia as well as long lasting experience in technology brokerage, matchmaking and public procurement of innovation support

### PROJECT COOPERATION

Lighthouse projects integrating new scalable technologies and measures into city transport operations and existing transport infrastructures at real life scale

Integrated solutions combining new technologies and non technological innovations, more effective ways of governance and accompanying policy based measures. We can offer close contacts with and support to a wide range of municipalities in Andalusia

# CTAG - Automotive Technology Centre of Galicia

## R&D Institution

Country	Spain
City	O Porriño (Pontevedra)
Street	
Web	<a href="http://www.ctag.com">http://www.ctag.com</a>



## Contact

Name	Diego Rodríguez Nión
Role	R&D Project Management



## Description

CTAG is a Spanish, private, non-profit R&D technology centre devoted to support the automotive industry in its research, development and innovation needs. CTAG was created in 2002 thanks to a joint initiative of automotive enterprises within the region. With a team of more than 750 professionals having more than 60% of international activity, CTAG is an ideal partner for developing new innovative products for the transport sector.

CTAG is present in all the stages of product development, from the initial steps of applied research to product life. The key fields of competence where CTAG concentrates its activities are: new materials, novel manufacturing processes, mathematical calculation and simulation, component testing and analysis of performances, environment, electronics, ergonomics, comfort and innovation management.

## Areas of Activity

- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and



maintenance

- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers

# CTN-Marine Technology Center

## Association/Agency

Country	Spain
City	FUENTE ALAMO
Street	Parque Tecnológico Fuente Álamo Ctra. El Estrecho-Lobosillo, km. 2
Web	<a href="http://www.ctnaval.com">http://www.ctnaval.com</a>



## Contact

Name	Noelia Ortega-Ortega
Role	Director



## Description

CTN is a non – for profit private association of companies located near Cartagena (Spain). Established in 2003, CTN aims to improve the competitiveness of the overall marine and maritime sector through the development of innovative solutions based on the latest technologies in engineering, hydroacoustic and those supporting the overall digital transformation.

CTN associated partners are SMEs, large-scale companies and organizations of the marine and maritime sectors. CTN encourages the cooperation and collaboration of all marine and maritime actors aiming at boosting blue growth.

CTN has wide experience in the development of R&D projects. CTN project results are capitalized in innovative solution, some of them having granted Patents .

Oriented to find the best solutions, CTN puts at the service of companies and organizations all its scientific and technological skills in: Hydroacoustic, Underwater noise and its impact on the marine environment, competitive intelligence and technologies for digitalization (Artificial intelligence, IoT, software development, embedded systems, GIS,)

CTN also encourages the dialogue and communication among different social agents, institutions, official bodies and different administrations, as well as the promotion of the marine culture and traditions.

Contact: Noelia Ortega, [nortega@ctnaval.com](mailto:nortega@ctnaval.com)

## Areas of Activity

- MG-BG-03-2020: Under water noise mitigation and environmental impact
- LC-MG-1-13-2020: Decarbonising long distance shipping
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation

## Marketplace Opportunities

### PROJECT COOPERATION

#### SMEs and private organizations to join to proposals

CTN can bring to the consortium Operators, Ship builders, marine equipment manufacturers and fuel and energy suppliers.

Contact: [nortega@ctnaval.com](mailto:nortega@ctnaval.com)

### PROJECT COOPERATION

#### Acoustic characterization of new technologies to asses they do not increase other forms of pollution.

Main sources of noise are the engines and the propellers of the vessels which will be more or less polluting depending on their operational regime. The Hydroacoustics Laboratory of CTN can provide the acoustic characterization of the new technologies and the vessels operating with different regimes to asses they do not increase other forms of pollution.

Contact: [nortega@ctnaval.com](mailto:nortega@ctnaval.com)

### PROJECT COOPERATION

#### Best practices on ship design to reduce underwater noise emissions.

RTD with knowledge on best practices on ship design and retrofitting or existing vessels to reduce underwater noise emissions.

Contact: [nortega@ctnaval.com](mailto:nortega@ctnaval.com)

### PROJECT COOPERATION

#### Technology to reduce underwater noise emissions from marine transport.

We look for private organizations (shipyards, vessel design office, technology developers, naval architects, consultancies) with skills and experience in ship design and retrofitting to reduce underwater noise emissions.

Contact: [nortega@ctnaval.com](mailto:nortega@ctnaval.com)

# Deep Blue

## SME

Country	Italy
City	Rome
Street	Piazza Buenos Aires 20
Web	<a href="http://www.dblue.it">http://www.dblue.it</a>

## Contact

Name	Alessandra Tedeschi
Role	R&D Manager

## Description

Research and consultancy in human factors and safety across transport modes

## Areas of Activity

- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations

# Deep blue srl

## SME

Country	Italy
City	Rome
Street	
Web	<a href="http://Www.dblue.it">http://Www.dblue.it</a>

## Contact

Name	Micol Biscotto
Role	Project Manager



## Description

Deep blue is a research and consultancy sme focused on human factors, safety and security in complex domains such as transport.

## Areas of Activity

- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- MG-2-11-2020: Network and traffic management for future mobility

# Department of Electrical and Computer Engineering and KIOS Center of Excellence, University of Cyprus

## University

Country	Cyprus
City	Nicosia
Street	
Web	<a href="http://kios.ucy.ac.cy/">http://kios.ucy.ac.cy/</a>



## Contact

Name	Stelios Timotheou
Role	Assistant Professor



## Description

The KIOS Research and Innovation Center of Excellence (KIOS CoE) is the largest research center of the University of Cyprus. The University of Cyprus (UCY) is a fairly young University, which was established in 1989 as the first University in Cyprus. UCY is now the leading public sector university in Cyprus, with more than 7,000 students and nearly 1,000 employees (academic and administrative), and the youngest institution to be ranked in the top 550 Higher Education Institutions in the world. Furthermore, it has been ranked the most active research institution in Cyprus (European Research Ranking 2016). UCY also manages a budget of 50 million Euros and currently delivers up to 350 externally funded research projects, including several FP7 projects and 9 ERC Grants. It also delivers national and regional research programmes funded by the National Research Promotion Foundation and the European Structural Funds.

The KIOS CoE is the largest research and innovation center in Cyprus on Information and Communication Technologies (ICT) with an emphasis on monitoring, control, management and security of critical infrastructures such as electric power systems, water distribution networks, telecommunication networks, and transportation systems. Its research team specializes in a wide range of areas, such as systems and control, distributed systems and algorithms, graph theory and optimization, computational intelligence, fault diagnosis and fault tolerance, and embedded systems, in an attempt to provide holistic and viable solutions for a variety of critical systems and applications. The goal of the Center is to conduct outstanding interdisciplinary research and innovation and produce new knowledge and tools that can be applied to solve real-life problems. The Center has a proven track record in managing multidisciplinary research projects and has established an international reputation for excellence among academic and industrial institutions in several of its research domains. KIOS was established in 2008 and in 2017 it was selected by the EU to be upgraded to a European Research and Innovation Center of Excellence through the EU's strategic Horizon 2020 program for "Spreading Excellence and Widening Participation – Teaming". Imperial College London is the Center's partner in this endeavour.

The KIOS CoE has a strong team working in the area of intelligent transportation systems with

emphasis towards two main research directions. The first direction concerns the development of intelligent monitoring and control algorithms for real-time management of current road transportation systems to maximize efficiency and reliability, in collaboration with the Cyprus Ministry of Transport, Communications and Works. The second direction investigates challenges in future intelligent transportation systems that integrate emerging technologies such as connected and automated vehicles. Areas of interest include:

- Distributed and cooperative control of connected autonomous vehicles
- Dynamic routing and balancing of connected autonomous vehicles
- Scheduling for electric vehicle charging
- Distributed and robust traffic monitoring and control
- Traffic sensor fault diagnosis
- UAVs for traffic management and control

### Areas of Activity

- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-6-2020: Towards sustainable urban air mobility
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

# DOGUS TEKNOLOJİ

## Large Company

Country	Turkey
City	İSTANBUL
Street	
Web	<a href="http://www.d-teknoloji.com.tr/">http://www.d-teknoloji.com.tr/</a>



## Contact

Name	Habib Gültekin
Role	R&D Specialist



## Description

Dogus Teknoloji is the technology company of Dogus Group which has the presence in 8 markets, 300+ Companies, 35000+ employees mainly in Automotive, Construction, Tourism, Media, Real Estate, Energy, Food & Beverage and Retail.

Dogus Teknoloji is located at 2 R&D Centers with more than 200 R&D staff and 300+ clients and works in a huge variety of areas of Information Technology (IT) creating and maintaining products using the latest technologies.

Dogus Teknoloji main focuses of R&D activities are:

- Mobile Applications & Mobilization,
- Cloudification,
- Machine learning,
- Data analytics,
- Natural Language Processing,
- Gamification,
- Optimization Algorithms,
- Complex Event Processing,
- High Performance Applications,
- Blockchain,
- Open Source Platforms,
- Location Based Services,
- Security & Privacy,
- SaaS-PaaS,
- Edge Computing.

## Areas of Activity

- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and



innovation

- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
  - DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
  - MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
  - MG-2-11-2020: Network and traffic management for future mobility
- communication for aviation
  - MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
  - MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
  - MG-4-7-2020: Digitalisation of the transport system: data sharing
  - MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers

# Dynniq Nederland B.V.

## Large Company

Country Netherlands  
City Amersfoort  
Street



## Contact

Name Meng Lu



## Description

Dynniq is a technical systems and service provider in the domain of Intelligent Transport Systems (ITS) and Energy. It combines electrical and mechanical engineering and ICT to the best solutions for moving people, materials, energy and data flows. Dynniq provides services throughout the entire technology life cycle and business processes with customers, and operates in the following markets: cooperative, connected and automated transport, systems and control, energy (incl. smart grids), parking systems and public lighting. Dynniq works at interurban and urban roads, airports, rail, water and parking facilities and energy distribution networks.

With more than 1,800 professionals Dynniq is working for nearly 1,000 customers in and outside Europe and achieves annual revenues of around 400 million euro. Dynniq is active in The Netherlands, Belgium, the United Kingdom, Ireland, Denmark, Sweden, Finland, Poland, Croatia, Russia and other countries in Eastern Europe. Dynniq is also engaged in activities outside Europe.

## Areas of Activity

- MG-4-7-2020: Digitalisation of the transport system: data sharing
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-6-2020: Towards sustainable urban air mobility

# Ecoserveis

## SME

Country	Spain
City	Barcelona
Street	Camprodon 3 bajos 08012 Barcelona (Spain)
Web	<a href="http://www.ecoserveis.net">http://www.ecoserveis.net</a>



## Contact

Name	Joana Mundo
Role	CEO



## Description

Ecoserveis is a non-profit strategic innovation consultancy specialized in energy and climate change. It was established in 1992, with the aim to bringing energy closer to society by promoting a fair and sustainable energy model, and is focused on socioeconomic aspects of energy and climate. It works at the local, national and European level identifying society's energy needs, providing innovative solutions to social-environmental challenges and building bridges between the civil society, private and public organizations.

Thanks to it's multidisciplinary team, Ecoserveis is involved in research, technological and socially-focused projects and can adapt to different needs in the energy and climate change fields.

Ecoserveis works on energy literacy, financial strategies for sustainable mobility/energy projects, market analysis for transport and energy solutions, energy poverty and its impacts on transport, climate change, renewable energies, sustainable mobility, community projects and consumer protection.

## Areas of Activity

- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners

and policy makers

# EDAG Engineering GmbH

## Large Company

Country	Germany
City	Fulda
Street	Reesbergstrasse 1
Web	<a href="https://www.edag.de">https://www.edag.de</a>



## Contact

Name	Jörg Hölig
Role	Manager Competence Center Integral Safety



## Description

EDAG is an independent engineering service provider working for the global automotive industry. The company has a global network of some 60 branches at the world's major automobile centres to serve leading national and international vehicle manufacturers and technologically discerning automotive suppliers.

In addition, EDAG also offers engineering services in the vehicle engineering, electrics/electronics and production solutions segments. This extensive competence enables EDAG to provide its customers with all-round support, from the original idea to design, through to product development, prototype construction and even turn-key production systems. As an innovative technological leader, the company also has competence centres for ground-breaking future technologies for the automotive industry: lightweight design, eMobility, digitalisation, integral safety and new production technologies.

In 2018, the company achieved a sales volume of € 792 million and an adjusted EBIT of € 47.6 million. On 31st December, 2018, EDAG employed a global workforce of 8,641 (including apprentices).

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-BAT-10-2020: Next generation and
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles

- realisation of battery packs for BEV and PHEV
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries

- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use

## Marketplace Opportunities

### PROJECT COOPERATION

## Swarm Intelligence for Connected and Automated Mobility

### Abstract

Swarm intelligence (SI) for connected and automated mobility is an emerging field of research that uses biologically-inspired algorithms to create an efficient, flexible and synchronized approach to traffic management. This approach treats traffic flow as the result of a decentralized and self-organized interaction between individual vehicles to deliver a collective intelligent behavior. Despite the advantages of swarm intelligence, their application into the real world remains uncertain and partially explored. Therefore, the approach described here intends to explore the adoption of swarm intelligence for the development of an intelligent and integrated traffic management system that enables real-time optimal flows.

### Goal:

To develop an intelligent and integrated traffic management system based on swarm intelligence.

### Our contribution

EDAG CITYBOT ecosystem

Multi-modal traffic management (collaboration with PTV Group)

Swarm intelligence know-how

project management

### Possible partners

Municipalities

Public transport operators

Certification bodies

Companies/universities with SI know-how

### PROJECT COOPERATION

## Countryside Milkrun – Transport Links to Rural Regions

### Abstract

Modern, forward-looking traffic concepts usually concentrate on the urban environment. The question discussed here is how rural regions can be integrated into these highly efficient concepts. The big challenge here is the traffic volume itself: many different elements (people, delivery traffic (regular and sporadic), emergency services etc.), each of them with far too little traffic density, have to be combined under one integrating roof. The resulting traffic flows will have to be constantly reshaped on their way from/to the cities. This places demands on vehicle concepts and the control of these swarms.

### Method/Procedure

Determination of requirements

Development of milkrun concepts for the efficient control of traffic flows

KI-controlled rural transport concept

### Possible Partners

Logistics companies

Cities/municipalities  
IT-companies with AI-background

#### PROJECT COOPERATION

### Edge Computing vs Remote Computing

(Addresses ICT-12-2018-2020: Big Data technologies and extreme-scale analytics)

#### Abstract

Multiple sensors in connected and autonomous vehicle fleets generate high volumes of data that needs to be evaluated in real-time to derive important navigation insights. Nonetheless, additional value can be extracted from the collected data. Despite the potential use cases, deciding which data needs to be locally or remotely evaluated remains a key challenge to be addressed, which depends on the computing capacity, connectivity and coordinated action with the related areas. Therefore, the approach described here intends to increase the productivity and quality of the system design and software development.

#### Goal:

To increase the productivity and quality of the overall system

#### Possible partners

OEMs developing autonomous vehicles  
IT-companies with AI background

#### PROJECT COOPERATION

### Energy-Tickets – Balanced Energy Management for Factories

(Also addresses DT-FOF-09-2020 – Energy-efficient manufacturing system management)

#### Abstract

Energy efficient production systems are based on different factors. An important factor is to save energy, e.g. through lightweight components, avoidance of oversizing, intelligent shutdown, etc. Another important aspect, however, is the uniform, quasi-balanced power consumption in order to avoid power peaks, which ultimately determine the energy costs for the customer. The approach described here aims to bring this second aspect to the fore and, with the help of AI methods in the form of an energy ticket system, to enable the intelligent design of work schedules/ sequences in order to achieve a homogenized network load. This is generally based on measures to reduce the energy requirements of the individual components.

#### Goal:

Uniform power reduction to avoid peaks

#### Possible partners

factory operators  
energy providers  
IT-companies with AI background

#### PROJECT COOPERATION

### AI-supported Pre-engineering in the Robot Simulation

(Addresses ICT-38-2020 – Artificial intelligence for manufacturing)

#### Abstract

In robot simulation, there are a variety of variables that affect goals such as result efficiency, economic use of resources and as few corrections as possible and thus validity of results condition. The aim of this sketch is the rough draft of a research project for KI supported pre-engineering in robot simulation.

#### Status quo

Robot simulation in plant engineering (carob construction) has the task, which is derived from planning The joining processes and joining points for the devices and robots to be used are including their tools. Input parameters are used such as Pliers library, data of the components to be joined, joining elements according to stage of construction and clamping and Fixing concept. Per cell there is a multiplicity of variables, which can be used in different combinations. for a variety of choices.

#### Questions to be studied:

How can AI technologies be used to improve/minimize the use of human resources?

How will a (AI-assisted) process look like that achieves a good result with economic use of resources? (A good result is defined as "just-in-time delivery", "accuracy" and "customer satisfaction").

#### Our Contribution

Digital Twin/Process Simulation

Design of tools, jigs, fixtures

Planning of BiW plants

Project Management

### PROJECT COOPERATION

#### AI-supported Self-Healing Devices (Automotive Production)

(Addresses ICT-38-2020 – Artificial intelligence for manufacturing)

#### Abstract

After the release of the prototype for body production, there will be a series release. Important specifications, are functional dimensions, joint plans and as well as assembly and assembly concepts. However: There are no components without tolerances. Through data-based tolerance simulations and their automatic execution, a consistently high quality can be ensured.

#### Goals:

To expand the state of the art technologies with these options:

- Algorithm-based/KI-based pattern recognition "Predictive Quality
- Control of fully automatic adaptation processes, without manual intervention.

#### Possible Partners

OEMs

Plant Constructors

Suppliers (clamping devices etc.)

### PROJECT COOPERATION

#### INSTINCT - Intelligent, structural interior composite parts with textile surface

(Addresses : LC-SPIRE-08-2020 Novel high performance materials and components [RIA, TRL 3 -->5]  
Function integration and lightweight design at minimized design space)

#### Idea

Illuminated, sensor integrated, soft-touch intelligent material

Function integration and lightweight design at minimized design space

Structural design for optimized structural load path via fiber reinforced material



Robust outer skin protects sensors for increased lifetime  
Multiple use-case  
Novel integrated material manufacturing process  
Innovative surface material to reduce tool cleaning effort and surface treatment  
Carbon friendly via rapid manufacturing process and weight savings

We are  
an EDAG lead cross-functional project team  
Electrics/Electronics and vehicle development competence  
Industry expert for surface membrane development  
Research expert for integrated manufacturing process  
Research expert for smart materials  
Up to 5 partners available and interested in topic (GER, PL)

We are looking for partners with competence in  
Carbon friendly fiber reinforcement and / or matrix material  
Part design via Artificial Intelligence  
Life cycle analysis

#### PROJECT COOPERATION

### CityBot - A Whole Urban Mobility Ecosystem

#### Abstract:

Vehicles in urban traffic often are stuck in jams. That won't change if we address vehicle electrification oder automated driving only. Then traffic jams will be just electrified or automated - but still will be traffic jams. Only in combination with digitalisation autonomous driving is the biggest opportunity to effectively combat gridlocks: Imagine an intelligently controlled, maximum-efficiency traffic system, controlling level 5 automated vehicles with hydrogen / fuel cell drives operating 24/7/365 in city centres and manually driven and conventionionally powered vehicles are an episode from the past. This will return the city spaces along with life quality to the city's inhabitants. Who by the way always have right of way - be it as pedestrians or cyclists. Our CityBot project idea addresses this holistic vision of future urban mobility and represents a whole ecosystem: Hardware, software, business models.

We're seeking partners to demonstrate feasibility in a number of workpackages around our "CityBot"!  
See also: <https://www.edag-citybot.de/en/>

Let the "honeycomb map" in our whiepaper be the starting point for cooperation talks!  
([https://www.edag-citybot.de/file/edag-whitepaper-01-2019\\_en.pdf](https://www.edag-citybot.de/file/edag-whitepaper-01-2019_en.pdf))

# Elastopole

## Association/Agency

Country	France
City	Orléans
Street	
Web	<a href="http://www.elastopole.com/english">http://www.elastopole.com/english</a>



## Contact

Name	Jean-Pierre Bretaudeau
Role	Innovation Director



## Description

An inter-regional cluster with a national outlook and European ambitions, Elastopôle is the French competitiveness cluster in the rubbers and polymers sector ; with a view to sustainable development and economic effectiveness and to contribute towards the development of companies and maintaining employment by anticipating changes and the emergence of new technologies.

## Areas of Activity

- LC-MG-1-15-2020: Towards global environmental regulation of supersonic aviation
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-MG-1-13-2020: Decarbonising long distance shipping
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV

# Elkon Elektrik San. Tic. A.S

## Large Company

Country	Turkey
City	ISTANBUL
Street	İstanbul Anadolu Yakası OSB 1.Sanayi Cad. No:6
Web	<a href="https://www.elkon-tr.com/en/home/0/1/page.html">https://www.elkon-tr.com/en/home/0/1/page.html</a>



## Contact

Name	Erdeniz Erol
Role	R&D Manager



## Description

Marine Electrical system integrator in Shipbuilding

## Areas of Activity

- MG-4-7-2020: Digitalisation of the transport system: data sharing
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards

## Marketplace Opportunities

### PROJECT COOPERATION

### Marine Electrical System Integrator seeking a consortium to cooperate

Ship Automation and Electric Propulsion system integration as well as specialized in Power Electronics by 40 researchers

# Embio Diagnostics

## SME

Country	Cyprus
City	NICOSIA
Street	ATHALASSAS 8B, Strovolos
Web	<a href="http://www.embiodiagnostics.eu">http://www.embiodiagnostics.eu</a>



## Contact

Name	Constantinos Loizou
Role	Director



## Description

EMBIO develops and operates innovation with patented biotechnology solutions and a vast network of collaborations.

We envision reusable technology in various sectors with specific and measurable climate impact.

Areas of interest include air quality, shipping and transport.

## Areas of Activity

- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-MG-1-15-2020: Towards global environmental regulation of supersonic aviation
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- MG-2-10-2020: Enhancing coordination between Member States' actions in the
- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-2-13-2020: Coordination and support

area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance

for an integrated freight transport and logistics system

- LC-BAT-8-2020: Next-generation batteries for stationary energy storage

# Enervibe

## SME

Country	Israel
City	Tel-aviv
Street	
Web	<a href="https://enervibe.co">https://enervibe.co</a>



## Contact

Name	Yair Kavalerchik
Role	Business development Eng.



## Description

[Electronics, MEMS , vibration energy harvesting (VEH)]

Enervibe design and manufacture an innovative MEMS-based vibration energy harvester that transforms kinetic energy into electrical energy using a highly efficient mechanism.

The chip will be cheap, small, and highly efficient due to its ability to dynamically adapt to the changing environmental conditions.

We also developed an IP based, extremely economic, discrete solution for wireless battery-free switches (light switch, other on/off buttons).

## Areas of Activity

- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- DT-ART-06-2020: Large-scale, cross-
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions

border demonstration of connected and highly automated driving functions for passenger cars

- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations

- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-BG-03-2020: Under water noise mitigation and environmental impact

# Engineering Ingegneria Informatica SpA

## Large Company

Country	Italy
City	Bari
Street	
Web	<a href="https://www.eng.it/">https://www.eng.it/</a>



## Contact

Name	Mario Barile
Role	Business Developer for R&D
Department	



## Description

Engineering Ingegneria Informatica SpA (ENG) is the first IT group in Italy, among the top 10 in Europe, with 12.000 employees and 55 offices worldwide. Its business units deliver state-of-the-art solutions to several markets, including Defence and Aerospace, Transports, Automotive, Energy. ENG is one of the top European innovators, with 420 researchers involved in over 70 National and European projects. The company is a very active member of European initiatives, including ECSO (cyber-security), EOS (security) and BDVA (big data).

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations



# ENIDE

## SME

Country	Spain
City	Barcelona
Street	
Web	<a href="http://www.enide.eu">http://www.enide.eu</a>



## Contact

Name	Vicent Pastor
Role	Corporate Development Director



## Description

ENIDE - "BUSINESS INNOVATION & DIGITAL SOLUTIONS TO MEET SOCIAL CHALLENGES IN THE FIELD OF MOBILITY, AUTOMOTIVE AND LOGISTICS"

- ENIDE works on business innovation and digital solutions to meet social challenges in Mobility, Automotive and Logistics. Through innovation based on deep customer insights, we help our customers to solve some of your most urgent business challenges;
- Specialized in Automotive, Mobility and Logistics sectors, we have decades of collective experience creating solutions that help you solve your most urgent business challenges. Applying advanced technology, our highly skilled team offers a rich combination of technical knowledge, project management capabilities and practical experience. We drive success from end to end.

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### EXPERTISE & VALUE PROPOSITION IN H2020

Business Innovation & ICT competences & H2020 proposal building expertise

- Strong expertise in developing innovative ICT solutions applied to Mobility, Logistics and Automotive sectors;
- Remarkable business competences (Business modelling & planning, R&D Exploitation, Living Labs conceptualisation, development and management, Dissemination);
- Access to a large international network of industrial partners in Mobility, Automotive and Logistics areas;
- Members of more than 10 national & International networks and platforms related to our core business, such as Alice, Logistop or IoT and blockchain ecosystem network;
- First class multidisciplinary team with more than 40 accumulated years of experience in European R&D&I projects
- Exceptional H2020 projects experience - with 14 framework programme projects granted so far: 5 H2020 and 9 FP7 projects, among many other regional and national R&D&I projects.

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### MAIN COMPETITIVE R&D&I PROJECTS WITHIN MOBILITY, AUTOMOTIVE AND LOGISTICS

- HARMONY, Holistic Approach for Providing Spatial & Transport Planning Tools and Evidence to

Metropolitan and Regional Authorities to Lead a Sustainable Transition to a New Mobility Era.

H2020-MG-1.2-2018;

- SmartCOOLBOX, Smart modular passive cool boxes for sustainable Logistics.

H2020-SMEInst-2018-2020-1;

- Clusters 2.0, Open network of hyper connected logistics clusters towards Physical Internet.

H2020-MG-5.1-2016-2016;

- INFRAMIX, Road Infrastructure ready for the coexistence of autonomous and conventional vehicle traffic flows. H2020-ART-05-2016;

- SETRIS, Strengthening European Transport Research and Innovation Strategies. H2020-MG-9.6-2014;

- LogiCon, Lean and Secure Connectivity for SMEs. FP7-GC.SST-2013-RTD;

- MyWay, European Smart Mobility Resource Manager. ICT-2013 Smart Cities;

- ZeEus, demo project on electric buses. FP7-GC.SST-2013;

- Fabric, IP on en-route charging for EVs. FP7-GC.SST-2013-RTD;

- EuroSky, delivering an improved air-cargo security and facilitation to safeguard international supply chains and the security of citizens. FP7-SEC-2012;

- CORE, Large demonstrator (28M funding) on supply chain security. SEC-2013;

- WINN, Building the European Technological Platform for Logistics. FP7-GC.SST-2012-RTD;

- Unplugged, Wireless Charging for Electric Vehicles. FP7-GC.SST-2012-RTD;

- Cassandra - Common assessment and analysis of risk in global supply chains. Project aiming at increasing the security of maritime shipping containers. FP7-SEC-2010 IP;

- SAFEPOST - Reuse and development of Security Knowledge assets for International Postal supply chains. Project focusing on increasing security across postal services. FP7-SEC-2011 IP;

- iCargo - Intelligent Cargo in Efficient and Sustainable Global Logistics Operations. FP7-ICT-2011- call 7 IP;

- TIMI - Development of methodologies, technologies and knowledge for new generation of intelligent intermodal freight transport systems. Spanish funded research;

## Areas of Activity

- MG-3-6-2020: Towards sustainable urban air mobility
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

# Epn Consulting Limited

## Consulting

Country	United Kingdom
City	London
Street	Portland House, Stag Place
Web	<a href="http://epnconsulting.eu/">http://epnconsulting.eu/</a>



## Contact

Name	Stefano Mainero
Role	CEO & Founder



## Description

EPN Consulting is a London-based consultancy firm and an International Network of Professionals with 2,500+ contacts.

Main areas of expertise:

- EU Affairs – European Projects, European funding & policies
- Sustainable Transport – Intelligent Transport Systems, Mobility as a Service (MaaS), Smart Mobility in Smart Cities
- Business Management & Development Strategies – Assistance to companies on how to fund their growth potential, Mentorship, Training Courses and Seminars, Knowledge Transfer

## Areas of Activity

- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking

# ERARGE&ERGTECH

## SME

Country	Switzerland
City	Zug
Street	
Web	<a href="http://www.ergtech.ch">http://www.ergtech.ch</a>



## Contact

Name	Alper Kanak, Ph.D.
Role	R&D Director



## Description

ERARGE is a research-oriented SME which has been operating in ICT, security, energy, construction, oil, manufacturing and mining sectors since 1975. ERARGE R&D Branch employs experienced researchers spin off from TUBITAK (Turkey's largest R&D Organization) and with the contributions of Bahçeşehir University and ETH Zurich. The core research team has 3 PHDs, 2 academicians, 20 researchers working on information technologies, embedded design, energy-efficient induction systems, cryptography, chaos theory, IoT, VLSI Design, blockchain industry, machine learning, smart cards, hardware security modules, augmented reality, image processing and computer vision, simulation technologies, automation solutions, biometrics and privacy preservation, semantic WEB and ontologies and big data platforms and analytics

ERARGE core research team has contributed its biometric-enabled crypto-devices to literature and market including very fast key generators (over 500 Mbit/s), true random number generators, mobile security solutions, digital signatures, and PKI. ERARGE has applied sophisticated theories like chaos and non-linear systems to security domain and published R&D results in top journals, received PCT patents and awarded with best papers.

ERGUNler has established a factory in Isparta in Turkey for manufacturing embedded devices with a strong mechanic design background. ERARGE in İstanbul is the R&D Center and it has 3 remote branches in Isparta, Zurich (namely ERGTECH, Switzerland) and Skopje (FYROM). ERGUNler employs more than 100 employees, 20% of which is composed of researchers. ERARGE has developed various end-products which are in the market and also integrated its solutions within the products of larger enterprises. Some ERARGE brands are as follows

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers

- approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
  - MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
  - MG-4-7-2020: Digitalisation of the transport system: data sharing
  - DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
  - MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
  - MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
  - DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations

# ERF

## Association/Agency

Country Belgium  
City Bruxelles  
Street



## Contact

Name Nilufar Lebasi



## Description

The European Union Road Federation (ERF) is a non-profit association which coordinates the views of Europe's road infrastructure sector and acts as a platform for research and dialogue on mobility issues between stakeholders and institutional players

## Areas of Activity

- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions

# Ernst & Young (EY)

## Consulting

Country	Belgium
City	Diegem
Street	De Kleetlaan 2
Web	<a href="http://www.ey.com">http://www.ey.com</a>



## Contact

Name	Federico Girauda
Role	R&D and Innovation Consultant



## Description

EY Global R&D and Innovation Services offers custom-tailored services to support individual clients or whole consortia with a 360° service-oriented approach in acquiring funds/equity, administering the funds, establishing processes and structures related to funding, as well as dealing with state aid issues.

EY Global R&D and Innovation Services supported successful proposals of numerous European innovation projects in the fields of Environment, Climate Change, Transport, Manufacturing, Telecom, Energy, Healthcare, Security & Defense, Food, Urban Mobility and Smart Cities. This gives us the respective understanding for current developments and future trends.

## Areas of Activity

- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries
- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- LC-GV-06-2020: Advanced light materials and their production processes for
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- MG-3-4-2020: Innovative electric network

- automotive applications
- MG-2-11-2020: Network and traffic management for future mobility
  - MG-BG-03-2020: Under water noise mitigation and environmental impact
  - LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
  - LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
  - DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
  - LC-BAT-12-2020: Novel methodologies for autonomous discovery of advanced battery chemistries
  - MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
  - LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
  - MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- architectures and systems, optimising global energy, electrical power, data and communication for aviation
  - MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
  - DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
  - LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
  - LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
  - LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
  - LC-MG-1-15-2020: Towards global environmental regulation of supersonic aviation
  - MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
  - LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
  - LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies



# ETRMA

## Association/Agency

Country	Belgium
City	Saint-Josse-ten-Noode, Brussels
Street	Avenue des Arts 2
Web	<a href="http://www.etrma.org">http://www.etrma.org</a>

## Contact

Name	Dora Gombocz
Role	Coordinator for Transport and Environment

## Description

### About ETRMA

The European Tyre & Rubber Manufacturers Association (ETRMA) represent over 4.400 companies in the EU, directly employing over 370.000 people. The global sales of ETRMA's corporate members represent 73% of total global sales and 7 out of 10 world leaders in the sector are our Members. We have a strong manufacturing and research presence within the EU and candidate countries, with 86 tyre-producing plants and 16 R&D centres.

The product range of ETRMA members is extensive from tyres to pharmaceutical, baby care, construction and automotive rubber goods and many more applications. ETRMA members' turnover in 2018 was approximately € 75 billion, of which up to 5% continues to be invested in R&D, annually. ETRMA's membership include the following tyre manufacturers: APOLLO VREDESTEIN, BRIDGESTONE EUROPE, BRISA, COOPER TIRES, CONTINENTAL, GOODYEAR, HANKOOK, MARANGONI, MICHELIN, NOKIAN TYRES, PIRELLI, PROMETON, SUMITOMO RUBBER INDUSTRIES AND TRELLEBORG WHEEL SYSTEMS. Furthermore, members include Associations in the following countries: Belgium, Finland, France, Germany, Hungary, Italy, the Netherlands, Poland, Spain and the UK.

## Areas of Activity

- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-4-7-2020: Digitalisation of the transport system: data sharing

# EU-Support

## SME

Country	Netherlands
City	Apeldoorn
Street	Klokkengietershoeve 120

## Contact

Name	A ArunJunai
Role	Managing Director



## Description

Helping big companies, SMEs, Universities and Institutes for their EU activities like strategy, policy, research & Innovation, coaching and networking

## Areas of Activity

- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV

# Euknow sprl

## Consulting

Country	Belgium
City	Brussels
Street	
Web	<a href="http://www.euknow.eu">http://www.euknow.eu</a>



## Contact

Name	Gabriele Quattrocchi
Role	R&D consultant - Innovation Broker



## Description

euknow offers consulting services in European policies and funding programmes. Our expertise ranges from agriculture to circular economy, from media and communication to innovation brokering, from transport and mobility to ICT and public health.

We typically work with medium-sized and small companies or research and innovation institutions and local authorities.

euknow supports applicants at all stages of the project bidding process, from proposal writing to final submission.

It is based in Brussels and operates Europe-wide with partners in Belgium, Italy, Germany, the UK and Israel.

## Areas of Activity

- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies

## Marketplace Opportunities

### PROJECT COOPERATION

Testing innovative solutions

Providing support in outlining use cases and in the dissemination and communication activities

# EURECAT

## R&D Institution

Country	Spain
City	MATARO
Street	AV. ERNEST LLUCH 36 - PARC TECNOCAMPUS
Web	<a href="http://www.eurecat.org">http://www.eurecat.org</a>



## Contact

Name	Fanny Breuil
Role	Mobility & Transport Program Manager



## Description

Eurecat is the leading Technology Centre in Catalonia, and the second largest private research organization in Southern Europe. Eurecat manages a turnover of 43M€ and 650 professionals, is involved in more than 160 R&D projects and has a customer portfolio of over 1.000 companies.

Eurecat is currently participating in more than 70 EU funded collaborative projects, from which 29 are coordinated by Eurecat, mainly in FP7 and Horizon 2020 Programmes.

Eurecat R&D, innovation and training activities span from Industrial Technologies (metallic, plastic and composite materials, manufacturing processes, autonomous and professional robotics, functional printing and fabrics, simulations and sustainability) to Digital Technologies (Digital Humanities, Big Data Analytics, IT Security and Smart Management Systems, e-health, data mining and multimedia technologies) and Biotech (Omic science and Nutrition & health). Additionally, EURECAT has recently been accepted by the European Commission as a KETs (Key Enabling Technologies) Technology Centre in order to collaborate with SMEs on close-to-market research and innovation activities.

One of the key priority areas of the centre focuses on Sustainable Mobility and Transport, including autonomous driving, materials lightweighting, urban connected mobility, electric vehicles and batteries among others.

## Areas of Activity

- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-MG-1-12-2020: Cities as climate-
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-3-5-2020: Next generation

resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions

- MG-2-11-2020: Network and traffic management for future mobility

multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling

- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards

# European Business Summit

## SME

Country	Belgium
City	Brussels
Street	Rue de Belvedere 28
Web	<a href="https://ebsummits.eu/">https://ebsummits.eu/</a>

## Contact

Name	Anya Gregory
Role	Communications and Research Manager



## Description

The mission of the EBS Research Hub is to create an innovative platform to facilitate the interaction between the research community, the business sector and EU policymakers.

We achieve this by working on EU-funded research projects in a variety of domains and integrating them into our pre-existing network of events. The areas in which we run events currently are technology, finance, energy, defence, circular economy, education, climate change and, European business and international affairs.

## Areas of Activity

- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?

# European Shippers' Council

## Association/Agency

Country	Belgium
City	Brussels
Street	Boulevard Auguste Reyers 80
Web	<a href="https://www.europeanshippers.eu">https://www.europeanshippers.eu</a>



## Contact

Name	Nathalie Rousseau
Role	Project manager



## Description

The European Shippers' Council (ESC) is a non-profit European organisation representing cargo owners i.e. freight transport interests of around 100.000 companies throughout Europe, whether manufacturers, retailers, wholesalers (import and export, intercontinental). Collectively they are referred to as 'shippers' as neutral user of transport (all modes: air; road, rail, waterborne). ESC was established in 1963.

The global ESC network consists of national shippers' associations, European commodity trade association (e.g. chemical, steel, paper) and corporate members among which well-known multinational brands (e.g. FMCG and food sector). ESC aims at creating a level playing field in Europe and between continents. Subsequently, ESC works closely with Asian Shippers' Association (ASA), American Association of Exporters and Importers (AAEI), together forming the Global Shippers Alliance (GSA).

## Areas of Activity

- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations



## Large Company

Country	Spain
City	Zaragoza
Street	
Web	<a href="http://www.everis.com">http://www.everis.com</a>



## Contact

Name	Sara González
Role	Supported Smart Innovation



## Description

Everis, part of NTT Data Group, is a large international company that offers its clients comprehensive business solutions covering all aspects of the value chain, from business strategy to systems implementation. Currently, everis has over 24,000 employees in 25 offices in 17 countries and its annual turnover is more than 1400 Million Euros.

EVERIS is active on European funded projects (DeepHealth, PANELFIT, PROVENANCE, SOTER, RRI Tools, POLYCARE, Multisensor, among others), both as technological provider and as exploitation partner. The roles can cover a wide range of innovative activities, such as technological developments focused on different digital technologies, pilots implementations, business models, market outreach and exploitation programs, or Coordination management.

Thanks to our dual nature, both technological and business oriented, we can act as facilitators, providing a common place for technology solutions and their potential end users to meet. From the business point of view, we work together with clients playing key roles in all the economic sectors. Daily activity in Energy, Industry, Transport, Public Administrations, Insurance, Finance, among others, provide us the knowledge about needs and opportunities in these sectors, as well as strong connections with the main stakeholders on each field.

From the technological perspective, everis covers the whole band of digital technologies. Some of them have a special impact in our innovative activity, working together with our mother company, NTT Data. The most relevant technological areas in which we have special interest in working for innovation projects are Artificial Intelligence, Cloud, Blockchain and Security&Trust, IoT, Customer Experience Technologies, Intelligent Automation, and we count on several technological key lines.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-13-2020: Coordination and support for an integrated freight transport and
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-14-2020: The effects of automation on the transport labour force, future

- logistics system
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- working conditions and skills requirements
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use

## Marketplace Opportunities

### PROJECT COOPERATION

#### DT-ART-05-2020

everis is highly interested in participating in this topic. We can act as technology provider, get involved in the exploitation activities, and attract clients as end users.

The technological contribution can come from the IoT to the data economy application, without forgetting the use of artificial intelligence and cloud solutions.

Moreover, due to our connections with our sister companies in Japan and in the USA, we can help on the international cooperation required by the topic.

Finally, due to our especial interest in this topic, we are willing to become the project coordinator.

Should you be interested, please contact us at [sara.gonzalez.grasa@everis.com](mailto:sara.gonzalez.grasa@everis.com)

### PROJECT COOPERATION

#### Main topics of interest

Main topics of interest:

- MG-4-7-2020: Because of our work on data economy (brand new project on ICT-13-2019 linked to this)
- DT-ART-06-2020: Notably by providing IoT, AI technologies
- MG-2-11-2020: Experts on implementing smart urban mobility solutions, involving relevant public administrations
- MG-3-4-2020: Focus on the development of data-driven solutions and on exploiting the experience from managing SESAR JU

# F.Iniciativas

## SME

Country	Spain
City	Madrid
Street	General Lacy 1.
Web	<a href="https://www.f-iniciativas.es/">https://www.f-iniciativas.es/</a>



## Contact

Name	Alvaro Montero Bockos
Role	EU Grants Coordinator



## Description

European leading R&D Tax Relief and International Grants Specialists working with Startups to Large Companies.

## Areas of Activity

- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility

# FARPLAS OTOMOTİV ANONİM ŞİRKETİ

## Large Company

Country	Turkey
City	Istanbul
Street	Ahi Evran Cad. 42 Maslak No:6 Ofis 3 Kat:1 No:1 - Maslak/Sarıyer/Istanbul
Web	<a href="https://farplas.com.tr/index.html">https://farplas.com.tr/index.html</a>



## Contact

Name	Emre Elmas
Role	Fundraising and Project Responsible



## Description

Farplas is an international leading company in the global automotive supply industry, providing interior ceiling systems, interior / exterior trims, lighting and accessories for major OEM companies within Turkey and around the world. Its variety of products fulfill its customers' expectations and contribute to continuous system-supplier partnership for both passenger and commercial vehicle builders.

Farplas designs, develops and manufactures vehicle sub-assemblies that are delivered as complete physical entities to vehicle manufacturer's assembly lines in "just-in-time" flexibility and by providing its customers the type of service that they demand, simply makes them to concentrate on their core business.

Besides, in changing mobility ecosystem, Farplas knows that the future is in the smart mobility technologies for transportation. So, Farplas established Fark Labs.

Fark Labs is an innovative center focused on mobility to create novel solutions for mobility problems caused by intensive urbanization and to make real them in rapidly transforming automotive ecosystem. Fark Labs considers the concept of mobility as a whole that includes electrical, connected, shared and autonomous vehicles.

With F+ Ventures, it monitors closely mobility start-ups ecosystem and makes investment when it is available. With CSUM (Creative Solutions for Urban Mobility), which represents the creative side of Fark Labs and focuses on improving the user experience, it designs sometimes a tangible product and sometimes solutions for processes that generated through coming together of different stakeholders.

As the first internal initiative of Fark Labs, Comodif is a Telematic Big-Data Platform for smart mobility which was built with modern open source software development tools. It is constructed in a modular open architecture by Comodif's specialists with specializing in M2M communication, IOT and telematics big-data analytics services.

Comodif actively supports the customer to realize the desired product with a modest budget and competitive prices and provides end-to-end solutions through Farplas's extensive experience in the software and automotive sector.

Using the cutting edge software technologies, Comodif processes car data to enable smarter and more efficient transportation, interacts with external traffic environment to increase safety and tracks resources to help driving be easier and pleasurable.

Comodif Connected Cars Platform provides a safe, future proof cloud architecture for users, offering safer and resource friendly transportation.

### Areas of Activity

- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers

# Faurecia Zero Emissions

## Large Company

Country	France
City	Saint Malo
Street	2 rue des Salines
Web	<a href="http://www.faurecia.com">http://www.faurecia.com</a>



## Contact

Name	Thierry Renault
Role	Senior Expert Composites



## Description

Faurecia Zero Emissions is developing and manufacturing composite parts for the automotive market. The main focus is on ultra light weight structures as a replacement of steel structural parts and on battery packs for battery electric vehicles.

## Areas of Activity

- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications

## Marketplace Opportunities

### PROJECT COOPERATION

#### Metal/composite joining

Integration of metal inserts in thermoplastic composites

### PROJECT COOPERATION

#### Recycling of automotive composites

Use of thermoplastic recycled materials to manufacture composite parts for automotive

# FEUGA - Galician Enterprise University Foundation

## Association/Agency

Country	Spain
City	Santiago Compostela
Street	
Web	<a href="http://www.feuga.es">http://www.feuga.es</a>



## Contact

Name	Iker Ayerbe
Role	Brussels Delegate EU Programmes



## Description

FEUGA is a nonprofit private foundation with more than 30 years of experience fostering technology transfer between the university and the industry and the society. We belong to the Spanish Customized Advisory Service Network about R&D grants, promoted by the NCP (CDTI), we are also University Knowledge Transfer Office, recognized by the Spanish government. FEUGA is in contact with more than 600 research groups from the three Galician Universities (Santiago de Compostela, Vigo, and A Coruña) and with more than 200 companies.

FEUGA has a dedicated department of European Programs with more than 10 years' experience in managing and drafting EU projects and with a relevant background implementing innovation-driven methodologies based on the "innovation broker" profile. In this sense FEUGA participates in several European projects demanding the multi-actor approach and/or dealing with the involvement of a relevant number of Stakeholders (consumers, policy makers, civil society, etc.). In addition, FEUGA has extensive experience in designing and managing the dissemination, training and exploitation strategies of European Projects, and supporting external organizations (research groups, public bodies and industry) in the project management tasks.

FEUGA has joined different platforms and associations at European level: UnLIION (Informal Network of Universities' Liaison Offices), AIOTI (The Alliance for Internet of Things Innovation), BDVA (Big Data Value Association), NEREUS (Network of European Regions Using Space Technologies), WssTP (Water supply and sanitation Technology Platform), ONEOVITI (International Research Network on Oenology and Viticulture), PPP BBI (Bio-based Industry Consortium), Photonics 21 Association, EFFRA (European Factories of Future Research Association), NetWorld2020 (European Technology Platform for communications networks and services) and A.SPIRE (Sustainable Process Industry through Resource and Energy Efficiency). In addition FEUGA participates in different European initiatives such as EIP Agri, EIP Smart Cities, EIP Water and we are one of COPERNICUS Relays, a network promoted through the Space Strategy for Europe.

## Areas of Activity

- LC-GV-06-2020: Advanced light materials
- MG-4-10-2020: Improving impact and

- and their production processes for automotive applications
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
  - MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
  - DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
  - LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
  - MG-BG-03-2020: Under water noise mitigation and environmental impact
  - MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
  - MG-4-7-2020: Digitalisation of the transport system: data sharing
- broadening stakeholder engagement in support of transport research and innovation
  - DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
  - LC-MG-1-13-2020: Decarbonising long distance shipping
  - MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
  - MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
  - LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
  - MG-2-11-2020: Network and traffic management for future mobility



# FEUGA - Galician Enterprise University Foundation

## Other

Country	Spain
City	Vigo
Street	Área comercial, local A9. Campus Universitario Lagoas-Marcosende
Web	<a href="http://www.feuga.es">http://www.feuga.es</a>



## Contact

Name	Lucía Franco
Role	Innovation & Technology Transfer



## Description

FEUGA is a nonprofit private foundation with more than 30 years of experience fostering technology transfer between the university and the industry and the society. We belong to the Spanish Customized Advisory Service Network about R&D grants, promoted by the NCP (CDTI), we are also University Knowledge Transfer Office, recognized by the Spanish government. FEUGA is in contact with more than 600 research groups from the three Galician Universities (Santiago de Compostela, Vigo, and A Coruña) and with more than 200 companies.

FEUGA has a dedicated department of European Programs with more than 10 years' experience in managing and drafting EU projects and with a relevant background implementing innovation-driven methodologies based on the "innovation broker" profile. In this sense FEUGA participates in several European projects demanding the multi-actor approach and/or dealing with the involvement of a relevant number of Stakeholders (consumers, policy makers, civil society, etc.). In addition, FEUGA has extensive experience in designing and managing the dissemination, training and exploitation strategies of European Projects, and supporting external organizations (research groups, public bodies and industry) in the project management tasks.

FEUGA has joined different platforms and associations at European level: UnLiON (Informal Network of Universities' Liaison Offices), AIOTI (The Alliance for Internet of Things Innovation), BDVA (Big Data Value Association), NEREUS (Network of European Regions Using Space Technologies), WssTP (Water supply and sanitation Technology Platform), ONEOVITI (International Research Network on Oenology and Viticulture), PPP BBI (Bio-based Industry Consortium), Photonics 21 Association, EFFRA (European Factories of Future Research Association), NetWorld2020 (European Technology Platform for communications networks and services) and A.SPIRE (Sustainable Process Industry through Resource and Energy Efficiency). In addition FEUGA participates in different European initiatives such as EIP Agri, EIP Smart Cities, EIP Water and we are one of COPERNICUS Relays, a network promoted through the Space Strategy for Europe.

## Areas of Activity

- MG-3-5-2020: Next generation
- MG-2-12-2020: Improving road safety by

- multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-BG-03-2020: Under water noise mitigation and environmental impact
  - LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
  - MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
  - MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
  - MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
  - DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
  - LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- effectively monitoring working patterns and overall fitness of drivers
- MG-4-7-2020: Digitalisation of the transport system: data sharing
  - MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
  - DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
  - LC-MG-1-13-2020: Decarbonising long distance shipping
  - LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
  - MG-2-11-2020: Network and traffic management for future mobility

# firat university

## University

Country	Turkey
City	elazig
Street	firat universitesi muhendislik, faultesi
Web	<a href="https://abs.firat.edu.tr/agulucar">https://abs.firat.edu.tr/agulucar</a>



## Contact

Name	ayşegül uçar
Role	professor



## Description

Firat University is a state university based in Elazığ, Turkey. The university was founded in 1975 .

## Areas of Activity

- MG-3-6-2020: Towards sustainable urban air mobility
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation

# Flanders Innovation and Entrepreneurship

## Authority/Government

Country	Belgium
City	Brussel
Street	Koning Albert II-laan 35 bus 12
Web	<a href="http://www.ncpflanders.be">http://www.ncpflanders.be</a>

## Contact

Name	Pascal Verheye
Role	NCP Transport in Flanders



## Description

agency which helps SMEs and research institutions developing their full potential.

## Areas of Activity

- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport

# Fraunhofer IMS

## R&D Institution

Country	Germany
City	Duisburg
Street	Finkenstr. 61
Web	<a href="https://www.ims.fraunhofer.de/en.html">https://www.ims.fraunhofer.de/en.html</a>



## Contact

Name	Alexander Utz
Role	Group Manager



## Description

The Fraunhofer Institute for Microelectronic Circuits and Systems (IMS) exists as an independent institute of the Fraunhofer-Gesellschaft since midyear 1984. Through continued growth and innovative research and development, the Fraunhofer IMS is one of the leading institutes in Germany for applied research and development in microelectronics and CMOS technology. Since January 1st 2006, Prof. Dr. Anton Grabmaier has been in charge of our institute.

With more than 30 years of experience and proven expertise in microelectronic circuits and systems we carry out research, development and pilot fabrication of microelectronic solutions for industrial and public clients. We align our work with the requirements of our customers and partners focussing on strong, efficient and marketable developments. To tie our know-how adequately we have united our competencies in 9 business units:

- \* Devices & Technologies
- \* ASICs
- \* High Temperature Electronics
- \* IR Imagers
- \* CMOS Image Sensors
- \* Pressure Sensor Systems
- \* Biohybrid Systems
- \* Wireless and Transponder Systems
- \* Electronic Assistance Systems

The Fraunhofer IMS works from the design up to the pilot fabrication. We have three in-house cleanrooms for processing of 200 mm wafers: Our CMOS line offers acknowledged automobile quality with robust CMOS processes down to 0.35  $\mu$ m. In our MEMS line we realise intelligent single-chip microsystems by complementing our CMOS wafers or customer wafers with additional structures and functionalities. Furthermore, we have facilities for test and assembling, including special requirements for pressure and image sensors.

As non-profit research organisation, Fraunhofer IMS has participated in European research projects, e.g. Horizon2020 and FP7.

## Areas of Activity

- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

## Marketplace Opportunities

### PROJECT COOPERATION

#### MG-3-4-2020, MG-3-5-2020: Sensors for aircraft maintenance and condition monitoring

Fraunhofer IMS develops and fabricates integrated circuits and sensors for use under extreme harsh environments, especially under temperatures up to 300 °C. Find out more in the link below or feel free to contact us!

[https://www.ims.fraunhofer.de/en/Business\\_Units\\_and\\_Core\\_Competerencies/High\\_Temperature\\_Electronics.html](https://www.ims.fraunhofer.de/en/Business_Units_and_Core_Competerencies/High_Temperature_Electronics.html)

# Galicia Institute of Technology - ITG

## R&D Institution

Country	Spain
City	A Coruña
Street	Cantón Grande, 9
Web	<a href="https://www.itg.es/en/19596-2/">https://www.itg.es/en/19596-2/</a>



## Contact

Name	Domenico Tinelli
Role	EU Projects Manager



## Description

The Galicia Institute of Technology (ITG) is a Spanish non-profit research and technology organisation, which provides close-to-market ICT solutions and services for smart and sustainable cities and industrial processing. Among the members of its Board of Trustees there are the Regional Government of Galicia, the Universities of Santiago de Compostela, A Coruña and Vigo and the Galician Association of Enterprises, with whom we have a strong relationship..

It has been recognized as National Technology Centre by the Spanish Ministry of Economy and Competitiveness. It is a member of FEDIT (Federation of Spanish Technology Centres) and is currently chairing its Board of Directors.

ITG has been included by the European Commission in the list of the European technology centres providing KETs (Key Enabling Technologies): <https://ec.europa.eu/growth/tools-databases/kets-tools/infrastructure/fundaci%C3%B3n-instituto-tecnol%C3%B3gico-de-galicia>.

Moreover, it is member of the following regional Digital Innovation Hubs (DIH):

- "AI4Galicia": aiming to foster the uptaking of AI by the Galician companies. ITG co-leads this platform, in collaboration with the University of A Coruña: <http://ai4galicia.eu/en/19596-2/>
- "GaliciaFoFHub", about Industry 4.0 and Factory of Future.
- "DataLife", fostering the digitalisation of agri-food and biotechnology sectors.

The ITG´s technology offer includes **HARDWARE** and **SOFTWARE** solutions for **MONITORING** and **CONTROL**:

- embedded Smart Electronic Systems and Networks of Sensors.
- embedded electronic systems for remote control and autonomous missions of Airborne and Marine vehicles (drones), such as RPAS, UAVs and ASVs
- software technologies and expertise for Data Management and Analytics: IoT cloud-based platforms, Image processing, Machine learning and Artificial Intelligence.

Thanks to a team of more than 40 engineers, we can develop and provide digital solutions in different fields, among them **SMART CITIES** and **MOBILITY** and **ENERGY EFFICIENCY**.

ITG has more than 20 years of experience at European level and has been involved in more than 15 projects funded by the EU.

You can find more information about our expertise and R&D projects at: <https://www.itg.es/en/19596-2/>.

For any question, please find below my contact details:

- [dtinelli@itg.es](mailto:dtinelli@itg.es)

- 0034 605 85 59 82

## Areas of Activity

- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- LC-MG-1-13-2020: Decarbonising long distance shipping

## Marketplace Opportunities

### PROJECT COOPERATION

### Looking for collaboration on the call MG-3-6-2020: Toward Sustainable Urban Air Mobility

We are looking for other European partners to develop jointly a project proposal including the use of UAVs (drones) for smart and sustainable air mobility in urban areas.

ITG can currently provide know-how and technology in the following fields:

- Hardware and software of embedded systems: PCB, embedded software, management of telecommunication connections, quality and security control.
- Flight Control System (AFCS): integration of FCS in any kind of vehicles, development of algorithms for Guidance, Navigation and Control (GNC), HWIL simulation environment.
- Ground Control Systems (GCS): fleet management, work-flows automation.
- Internet of Things (IoT): electric, optical, radiometric, hyperspectral, flowmetric and microfluidic sensors; wide-range and low-energy telecommunication systems.
- Artificial Vision: high-definition cameras: infrared, multispectral, dual (visual & thermal); LIDARs; detection and monitoring of objects
- Deep learning: intelligent data processing (neuronal networks, SVM, KNN, etc.); Use of deep learning techniques in embedded systems; predictive maintenance.
- Big data and Cloud Computing.



# Galician Innovation Agency

## Association/Agency

Country	Spain
City	Santiago
Street	Rue Airas Nunes s/n 15702 – Santiago de Compostela
Web	<a href="http://gain.xunta.gal/">http://gain.xunta.gal/</a>

## Contact

Name	Francisco Javier Rey
Role	Junior RTD Policy Officer

## Description

Galician Innovation Agency is the public body of the regional Galician government responsible for the design and implementation of regional policies in the fields of R&I.

## Areas of Activity

- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations

# GAZIANTEP METROPOLITAN MUNICIPALITY

## Authority/Government

Country	Turkey
City	GAZIANTEP
Street	İncilipınar Mah. Şehit Yusuf Erin Caddesi Büyükşehir Belediyesi Binası
Web	<a href="https://gaziantep.bel.tr/">https://gaziantep.bel.tr/</a>



## Contact

Name	FATİH ÇINKI
Role	EU & PROJECT EXPERT



## Description

Gaziantep Metropolitan Municipality is a local government in Turkey. There over than 5000 people works for municipality.

## Areas of Activity

- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles

# GAZIANTEP METROPOLITAN MUNICIPALITY

## Authority/Government

Country	Turkey
City	Gaziantep
Street	İncili Pınar Mahallesi, 36017. Sk, Şehitkamil

## Contact

Name	MELIKE BAL
Role	PROJECT EXPERT



## Description

LOCAL GOVERNMENT

## Areas of Activity

- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility

# GDTech

## SME

Country	Belgium
City	Alleur
Street	Avenue de l'expansion, 7
Web	<a href="http://www.gdtech.eu">http://www.gdtech.eu</a>

## Contact

Name	Rocco Frontera
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## Description

GDTech's services address the full process of product development, which includes the design (CAD), the design validation using numerical simulation, the manufacturing methods and the design of associated tools and fixtures, the manufacturing (CAM), the product testing, the product certification

...

With more than 25 years' experience, GDTech has developed a subcontracting model focused on the quality of its services. These services can be performed internally or on customer site.

Located in Belgium and in France, GDTech has over 180 employees, 50% of whom have more than 15 years of experience. The offer of services covers a wide range of activity areas: aeronautics, defense, naval, transportation, space, medical devices, ...

## Areas of Activity

- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use

# GoodFuels

## SME

Country	Netherlands
City	Amsterdam
Street	De Lairessestraat 180-V
Web	<a href="http://www.goodfuels.com">http://www.goodfuels.com</a>



## Contact

Name	Rianne De Vries
Role	Manager Business and Government



## Description

GoodFuels is a pioneer, global market maker and market leader in truly sustainable biofuels.

Our goal is to create a better world by accelerating the energy transition in these transport segments for which biofuels are one of the best or only viable alternatives in the foreseeable future. Which are maritime and heavy duty road applications.

Together with you we create and implement sustainable solutions for land and sea. As a transition partner, we will accompany you in setting your sustainability goals and help you move towards a better world.

## Areas of Activity

- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking

## Marketplace Opportunities

### PROJECT COOPERATION

#### Topics related to advanced biofuels for shipping and the heavy duty road transport sector

Developing advanced biofuels for shipping and the heavy duty road transport sector. We deliver expertise on fuel characteristics, and we have direct access to the end-user market. As pioneer in biofuels we have created the market for biofuels in the shipping sector. We play a crucial role in making the heavy duty transport sector ready for the energy transition.

# GPA

## Consulting

Country	Spain
City	Barcelona
Street	Avda Diagonal 452
Web	<a href="http://gpa.aero">http://gpa.aero</a>



## Contact

Name	Jaume Adrover Rigo
Role	CEO



## Description

GPA is a long established air transport consultancy firm for institutions, airlines, airports and other relevant agents. The founding of GPA was the belief that airports and the operating airlines are a key business driver for any economy in the world, well beyond the direct impact of the infrastructure herself. This know-how about the interrelation of the economics and strategic aspects of the air transport and air industry sectors is the spirit of the company. We have four fields of experience: air route development and air network planning, cargo and logistics operations, airport development studies and emergency response management.

## Areas of Activity

- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-4-7-2020: Digitalisation of the transport system: data sharing

## Marketplace Opportunities

### PROJECT COOPERATION

#### Air freight delivery at airports

The challenge is to streamline airports operations and getting updated information for air cargo terminals, freight forwarders and shippers for ahead planning purposes specially when picking up

merchandise from warehouses and delivering goods at airport cargo terminals.

# GPPQ - ANI/FCT

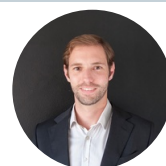
## Authority/Government

Country	Portugal
City	Porto
Street	EDIFÍCIO NET - RUA DE SALAZARES, 842
Web	<a href="https://gppq.fct.pt">https://gppq.fct.pt</a>



## Contact

Name	Luis Maia
Role	NCP



## Description

GPPQ is responsible for managing the portuguese H2020 national delegates and NCPs.

## Areas of Activity

- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-BAT-12-2020: Novel methodologies for autonomous discovery of advanced battery chemistries
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-2-11-2020: Network and traffic management for future mobility
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use



- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-MG-1-15-2020: Towards global environmental regulation of supersonic aviation
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations

# Hafenstrom

## SME

Country	Norway
City	Svolvær
Street	Kirkegata 9
Web	<a href="http://hafenstrom.com">http://hafenstrom.com</a>



## Contact

Name	Asbjorn Hovsto
Role	CEO



## Description

Electrifying transport by new battery solutions and new infrastructures

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage

# Hexagon Geospatial

## SME

Country	Belgium
City	Leuven
Street	Gaston Geenslaan 11
Web	<a href="https://www.hexagongeospatial.com">https://www.hexagongeospatial.com</a>



## Contact

Name	Jurgen Hamelrijckx
Role	Sales Manager European Institutions

## Description

Hexagon Geospatial serves various industries by providing the technology to embrace a smart digital reality and bridge the divide between the geospatial and the operational worlds.

## Areas of Activity

- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation

# Hezelburcht (grant support)

## Consulting

Country	Netherlands
City	The Hague
Street	Loire 122
Web	<a href="http://www.hezelburcht.com">http://www.hezelburcht.com</a>



## Contact

Name	Jeroen Plantinga
Role	EU Affairs Manager



## Description

Hezelburcht provides grant support to a variety of organizations.

We have about 100 employees and are active in several fields (for instance transport, ICT and sustainability).

We provide multiple services such as writing of proposals, project coordination, compliance and conducting of project lobby activities.

## Areas of Activity

- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- MG-4-10-2020: Improving impact and
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- LC-MG-1-15-2020: Towards global environmental regulation of supersonic aviation
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-BAT-12-2020: Novel methodologies for autonomous discovery of advanced battery chemistries
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and

- broadening stakeholder engagement in support of transport research and innovation
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
  - LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
  - MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
  - MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
  - MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
  - MG-3-6-2020: Towards sustainable urban air mobility
  - DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
  - MG-2-11-2020: Network and traffic management for future mobility
  - MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
  - LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
  - communication for aviation
  - MG-4-7-2020: Digitalisation of the transport system: data sharing
  - MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
  - LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
  - LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
  - LC-BAT-8-2020: Next-generation batteries for stationary energy storage
  - LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
  - LC-MG-1-13-2020: Decarbonising long distance shipping
  - MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
  - DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

## Marketplace Opportunities

### PROJECT COOPERATION

#### Grant support / writing of proposals

Hezelburcht has a lot of experience with writing H2020 proposals. In certain cases, we are searching for organizations that can join a consortium.

# Hino Motors Europe

## Large Company

Country	Belgium
City	Mechelen
Street	Blarenberglaan, 19

## Contact

Name	Shoichiro Usui
Role	Senior Manager Technology Liaison Division

## Description

Bus and Truck manufacturer from Japan

## Areas of Activity

- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV

# Huawei Technologies

## Large Company

Country Belgium  
City Brussels  
Street

## Contact

Name Hui Cao  
Role Head of Strategy and Policy, EU

## Description

ICT company.

## Areas of Activity

- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?

# Hub Brussels

## Association/Agency

Country	Belgium
City	Brussels
Street	Chaussée de Charleroi 110
Web	<a href="http://Hub.brussels">http://Hub.brussels</a>

## Contact

Name	Virginia Gomez Onate
Role	NCP Transport, Space and NMP

## Description

Organisation for the support of the Brussels based companies.

## Areas of Activity

- LC-BAT-12-2020: Novel methodologies for autonomous discovery of advanced battery chemistries
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-MG-1-12-2020: Cities as climate-
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries
- LC-MG-1-15-2020: Towards global environmental regulation of supersonic aviation
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-GV-07-2020: Reducing the



- resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
  - MG-2-11-2020: Network and traffic management for future mobility
  - MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
  - DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
  - LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- environmental impact of hybrid light duty vehicles
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
  - MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
  - MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
  - MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
  - MG-4-7-2020: Digitalisation of the transport system: data sharing
  - MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?

# Humanising Autonomy

## SME

Country	United Kingdom
City	London
Street	Somerset House, Strand
Web	<a href="https://www.humanisingautonomy.com/">https://www.humanisingautonomy.com/</a>

HUMANISING  
AUTONOMY

## Contact

Name	Paddy La Torre
Role	Public Policy & Partnerships Manager



## Description

Humanising Autonomy has developed an intent prediction platform that is able to recognise and predict pedestrian and vulnerable road user behaviour in real time. The technology predicts numerous human behaviours and actions across different environments. As a critical perception application the technology integrates with ADAS systems, Infrastructure systems and Autonomous Vehicle stacks for real time accident and near miss prevention and also offers cloud based video analytics.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- MG-4-10-2020: Improving impact and
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use

broadening stakeholder engagement in  
support of transport research and  
innovation

# i-Trans

## Association/Agency

Country	France
City	Valenciennes
Street	
Web	<a href="http://www.i-trans.org">http://www.i-trans.org</a>



## Contact

Name	Annabelle Sion
Role	EU projects manager



## Description

French innovation cluster based in Northern France, focused on land transport, we gather more than 150 members, both companies and research centres.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- MG-2-11-2020: Network and traffic management for future mobility
- MG-4-8-2020: Advanced research
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- LC-GV-06-2020: Advanced light materials and their production processes for

methods and tools in support of  
transport/mobility researchers, planners  
and policy makers

automotive applications

- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation

# i2CAT

## R&D Institution

Country Spain  
City Barcelona  
Street

## Contact

Name Eunice Ribeiro

## Description

i2CAT Foundation is a non-profit research and innovation centre that promotes mission oriented R&D activities on advanced Internet architectures, applications and services. The centre stands for a new open innovation framework, fostering the collaboration between companies, public administration, the academic environment and end-users.

## Areas of Activity

- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

# Icoms Detections SA

## SME

Country	Belgium
City	Louvain-la-Neuve
Street	Avenue Albert Einstein 11/B
Web	<a href="http://icomsdetections.com">http://icomsdetections.com</a>



## Contact

Name	Etienne Van den Bogaert
Role	Managing Director



## Description

Designer and manufacturer of microwave sensors for Intelligent Transport Systems

## Areas of Activity

- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation

# ICOOR - Interuniversity Consortium for Optimization and Operation Research

## Other

Country	Italy
City	REGGIO NELL'EMILIA
Street	Amendola 2
Web	<a href="http://www.icoor.it">http://www.icoor.it</a>



## Contact

Name	Michela Apruzzese
Role	Project Manager



## Description

ICOOR is a research center aimed at promoting research and studies in Optimization, Operation Research and related domains. Operations Research (OR) is the discipline of applying advanced analytical methods to help make better decisions to optimize products, processes, and business. By using techniques such as mathematical modeling to analyze complex situations, Operations Research gives the power to make more effective decisions and build more productive systems based on complete data, consideration of all available options, careful predictions of outcomes and estimates of risk, the latest decision tools and techniques.

Operations Research designs and uses advanced tools and technologies to provide analytical power that no ordinary software or spreadsheet can deliver out of the box. To achieve these results, Operation Research draws upon the latest analytical technologies.

- Simulation: Giving you the ability to try out approaches and test ideas for improvement
- Optimization: Narrowing your choices to the very best when there are virtually innumerable feasible options and comparing them is difficult
- Probability and Statistics: Helping you to measure risk, mine data to find valuable connections and insights, test conclusions, and make reliable forecasts

ICOOR is a Consortium composed by the following Italian Universities: Politecnico di Bari, Università di Bologna, Università di Cagliari, Università di Camerino, Politecnico di Milano, Università di Modena e Reggio Emilia, Università di Pisa, Politecnico di Torino, Università di Trieste. The complementary capacities of ICOOR's members make it a unique pole of excellence in Optimization and Operations Research.

ICOOR can count on the experience in several projects in the areas of transports, logistics, urban mobility, ICT, energy and safety (for an exhaustive list check our website [www.icoor.it](http://www.icoor.it)). Currently, ICOOR is actively involved in the following EU funded projects:



- ELVITEN - Electrified L-category Vehicles Integrated into Transport and Electricity Networks (H2020-GV-10-2017)
- Plan4RES - Synergistic Approach of Multi-Energy Models for an European Optimal Energy System Management Tool (H2020-LCE-05-2017-SGS)
- NeMo - Hyper-Network for electroMobility (H2020-GV-8-2015)
- optiTruck - optimal fuel consumption with Predictive PowerTrain control and calibration for intelligent Truck (H2020-GV-6-2015)
- AEOLIX - Architecture for EurOpean Logistics Information eXchange (H2020-MG-6.3-2015)

The scientific expertise, together with advanced the skills in project preparation and management , make ICOOR the perfect partner for your international Consortium.

### Areas of Activity

- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-6-2020: Towards sustainable urban air mobility
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport

# IDOM

## Large Company

Country	Spain
City	Madrid
Street	Avda. Monasterio de El Escorial, 4
Web	<a href="http://idom.com">http://idom.com</a>



## Contact

Name	Francisco Burgos
Role	Project Director



## Description

IDOM is a leading independent international Company that delivers professional integrated services in Engineering, Architecture and Consultancy. Since its beginnings in 1957, the company has attended to over 10,000 clients, participating in over 30,000 Projects across the five continents.

The evolution of the market and new requirements of our Clients means that IDOM is on a path of continuous growth in the scope of the services being offered as well as in the training of personnel. At present, around 3,000 people carry out their professional activities in the Company's offices and projects all around the world. The company is established in 39 cities in 19 different countries: Belgium, Brazil, Canada, Chile, Colombia, Ecuador, India, Libya, Morocco, Portugal, Mexico, Poland, Romania, Spain, Saudi Arabia, UAE, USA, and UK. Currently, there are also technical offices in other countries where Idom is providing its services for the development of these specific projects.

One of the strengths of the group is its multidisciplinary nature, as evidenced by the 60 different professional profiles of the 3,000 members of staff. The degree of diversification reached by the company in the offer of global services is notable. This makes the company extremely versatility, thus allowing us to successfully tackle the many diverse challenges of complex projects. Idom understands each project to be a mission and as such, our highly specialized teams create the necessary synergies between all actors during development. Furthermore, IDOM has put in place the strategies and practices for Knowledge Management, meaning that all new projects can benefit from the experience and knowledge gained on projects of a similar nature. The correct balance of human and technical resources is reached considering the geographical location of the project and all technical requirements. The company's size and diversification have not influenced the fundamental goals for which the company was founded; providing the best possible service to each and every client. This has been the company's driving force for its growth and is the philosophy and motivation for future development. In recent years, IDOM has expanded the range of its services, both technically and geographically.

In 1995, IDOM obtained the Quality Assurance Certificate ISO-9001, awarded by LLOYD'S QUALITY REGISTER ASSURANCE. Subsequently, in April 2000 IDOM obtained the certificate that guarantees that all activities carried out by the company are executed according to the Environmental Management System of UNE-EN-ISO 14001. Moreover, IDOM has successfully implemented the OHSAS 18001 Certificate (Health and Safety on working sites).

Given the dimension and structure of IDOM, the group is one of the few companies that can offer the complete range of services required for almost any project, from conception to completion. IDOM has a wide range of experts with a wealth of experience in each of its technical areas. When it comes to individual projects, IDOM brings all the different experts together under a single project umbrella. IDOM deals with the client through one representative, the project director; with the support and expertise of professionals involved. IDOM experts are our most important resource. It is, therefore, vital for the wellbeing and future of the company that they are kept up to date with the latest developments in technology and project management and state of the art. Over the last ten years, IDOM has devoted an increasing amount of time and energy to the continuous training of its personnel. IDOM encourages its professionals to participate as lecturers in universities and give courses to institutions and private bodies. Many of the professionals from IDOM are linked to highly reputed universities such as Harvard University, the Polytechnic University of Barcelona, the University of Navarra and the University of the Basque Country, among others, by presenting technical cases in Master Classes or PhD seminars. The attendance and participation of personnel at conferences and seminars all around the world is actively promoted by the company.

Innovation is understood by the IDOM Group as not only the proactive search for new products and services, but also the introduction of new management methods and processes within a company, and as such is an integral part of the company business model.

The Company approach to innovation has been a strategy of collaboration with Universities, research centers, etc. and cooperation with other companies and associations. This innovation strategy has resulted in IDOM at both corporate and local level entering into agreements whereby experts from IDOM directly participate in R&D projects and programs. It is planned that in the coming years, up to 4% of the company's annual turnover will be allocated to R&D.

## Areas of Activity

- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility

# IFSTTAR

## R&D Institution

Country	France
City	Bron
Street	Cité des Mobilités - 25 avenue François Mitterrand - case 24 - F-69675 Bron cedex
Web	<a href="https://www.ifsttar.fr/accueil">https://www.ifsttar.fr/accueil</a>

## Contact

Name	Marie-Francoise SHERRATT-ROUX
Role	NCP Transport

## Description

I shall not present anything. As NCP Transport, I will be present to get some information for my French constituency.

## Areas of Activity

- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- LC-BAT-14-2020: Self-healing
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-4-7-2020: Digitalisation of the

functionalities for long lasting battery cell chemistries

- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles

transport system: data sharing

- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport

# IMT Atlantique

## University

Country	France
City	Nantes
Street	4, rue Alfred Kastler
Web	<a href="https://www.imt-atlantique.fr/en">https://www.imt-atlantique.fr/en</a>



## Contact

Name	Fabien Lehuédé
Role	Full Professor, Head of logistics and production group of LS2N



## Description

IMT Atlantique, (result of a merger between the former Mines Nantes and Telecom Bretagne) is a new school focusing on digital technology, energy and the environment. Research in IMT-Atlantique is composed with 6 research units affiliated to national research organisations (CNRS, Inserm, etc) and 13 teaching and research departments. With more than 1000 publications each year (400 of these publications are A Rank), the research in IMT Atlantique is carried out by 110 researchers and/or professors.

The lab of digital sciences of Nantes ("Laboratoire des Sciences du Numérique de Nantes, LS2N" in French) is a new Joint Research Unit (UMR CNRS 6004) created in January 2017. SLP (Systèmes Logistiques et de Production) is one of the research groups of the LS2N laboratory. Its objective is to develop analytical methods for optimization and decision support systems for production, logistics and transport activities. The group develops operations research algorithms to efficiently solve challenging theoretical optimization problems or innovative industrial applications. The team's contribution therefore includes the development of new approaches (heuristics, meta-heuristics or exact methods), as well as modeling and solution methods for new and complex problems. As far as transportation optimization is concerned, the SLP group works on strategic design of supply chains, service network design and vehicle routing problems for the transportation of passengers and freight.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on
- MG-3-6-2020: Towards sustainable urban air mobility
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations

manufacturing, maintenance and recycling

## Marketplace Opportunities

### PROJECT COOPERATION

#### Decision aiding tools for new transportation systems design

The logistics and production research group in Nantes is expert in transportation and logistics network design models and algorithms. Our research area is Operations Research and Prescriptive Analytics. The researchers are well known in the community for their work in network design and facility location with applications in supply chain, city logistics, freight transportation, healthcare and public transportation. Our algorithms are integrated in intelligent transportation software or used for simulations in prescriptive analytics studies.

### PROJECT COOPERATION

#### Planning algorithms for innovative transportation systems

The logistics and production research group in Nantes produces network and vehicle routing optimization algorithms. We are particularly known for our work on transports synchronization. Our application area are last mile delivery in city logistics, synchromodal transportation, pooling and consolidation in the physical internet, routing with loading resource management in public works, and the optimization of healthcare transportation services. Our algorithms are integrated in intelligent transportation software or used for simulations in prescriptive analytics studies.

# INB ZTUREK

## R&D Institution

Country	Poland
City	warszawa
Street	
Web	<a href="http://zturek.pl">http://zturek.pl</a>

## Contact

Name	Zbigniew Turek
Role	Director

## Description

R&D in transport area

## Areas of Activity

- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries



# INSA Lyon

## University

Country	France
City	Villeurbanne
Street	La Doua
Web	<a href="https://www.insa-lyon.fr/en/node/41">https://www.insa-lyon.fr/en/node/41</a>



## Contact

Name	BRUYERE Mathilde
Role	European project manager

## Description

INSA Lyon is an Engineering School dedicated to Applied Sciences, with a strong research activity (23 laboratories).

As an academic oriented to industry, our institute carries out research in engineering sciences for RTOs and companies.

We work with a variety of industry, among which Transport is the first one (aeronautics, rail, road). But also Nuclear, Medtech, Energy, Water...

Our researchers specialize in various fields of engineering related to WP Transport topics:

- Materials (Elaboration, characterisation, testing, modelling / Metal, polymers, ceramics, composite / AM)
- Civil engineering
- Logistics : optimisation, supply chain modelling, decision making ... softwares)
- Robotics (Automation, robot vs its environment / Sensors and communication / haptics)
- Data (AI, IoT, cloud, data analysis & mgt, machine learning, deep learning)

Beside Transport, we have identified topics for collaboration in other work programs: Cleansky, NMBP, Energy, etc.

INSA has been involved in 23 H2020 projects (as participant and coordinator).

INSA researchers are supported by a Professional grant management team (WP lobbying, topic identification, etc.).

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/org-details/999886089;searchKeyword=;searchTopic=;searchTopicName=;call=;searchProgramme=null;searchProgramme=>

## Areas of Activity

- MG-BG-03-2020: Under water noise mitigation and environmental impact
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- MG-4-7-
- MG-4-8-
- DT-ART-
- LC-BAT-
- LC-BAT-



# Institute of Systems and Robotics - University of Coimbra

## R&D Institution

Country	Portugal
City	Coimbra
Street	Rua Silvio Lima - Polo II
Web	<a href="http://www.isr.uc.pt">http://www.isr.uc.pt</a>



## Contact

Name	Pedro Fernandes
Role	Senior Researcher



## Description

ISR-UC is organized in seven Activity Areas with significant scientific and technological synergies:

- \* Human-Centered Mobile Robotics
- \* Field Robotics
- \* Medical Systems and Robotics
- \* Computational Intelligence and Control
- \* Artificial Perception and Cognition
- \* Visual Perception
- \* Intelligent Energy Systems

The success of the unit relies on the existing strong collaboration across disciplinary boundaries, which allows the unit to tackle highly complex scientific and technological challenges. Regular workshops stimulate collaboration that will be a key tool for addressing complex multidisciplinary problems and integrating the knowledge towards cognitive systems, as well as knowledge dissemination. Many research proposals and ongoing projects require researchers to take advantage of the complementarity of skills of the researchers and partners, resulting in high quality publications and joint supervision of PhD Thesis.

ISR has strong interaction with some of the best research centers around the World, participating in large international projects. ISR also participates in networks of excellence in the robotics area and wants to keep organizing scientific meetings at the highest level (e.g. IROS, ICRA, IEEE ITSC, ROMAN).

## Areas of Activity

- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and

innovation

- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
  - MG-2-11-2020: Network and traffic management for future mobility
  - MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
  - MG-4-7-2020: Digitalisation of the transport system: data sharing
- highly automated driving functions for passenger cars
  - LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
  - LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
  - LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions

# Intelligent Autonomous Mobility Center

## SME

Country	Netherlands
City	Eindhoven
Street	Venbergsemolen 109
Web	<a href="http://www.i-am.center">http://www.i-am.center</a>



## Contact

Name	Dennis Kooijman
Role	Program Manager



## Description

I-AM performs autonomous- and electric mobility research, and provides tooling for prediction and simulation of real-world performance. We are furthermore the developer of various small sized intelligent mobile platforms.

## Areas of Activity

- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use

# IrRADIARE, Science for evolution

## Consulting

Country	Portugal
City	Lisbon
Street	Rua de Goa, 16, 2º Esq., 2795-089 Linda-a-Velha
Web	<a href="http://www.irradiare.com">http://www.irradiare.com</a>



## Contact

Name Valentina Russo



## Description

IrRADIARE, Science for Evolution works as advisers for urban, local, regional authorities, Universities and clusters, representing significant number of entities in Brussels, mostly from Portugal. Logistics is the part of IrRADIARE's chain management that plans, implements, and controls the efficient, effective forward way of working.

IrRADIARE works for the cities and public authorities in the scope of smart cities in order to make them achieve better social and environmental standards under which 'Smart' key fields of urban development were identified as the relevant characteristics of Smart City: ICT tools, economy, people, mobility, environment, living and governance.

## Areas of Activity

- MG-BG-03-2020: Under water noise mitigation and environmental impact
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking

# ISERD

## Authority/Government

Country	Israel
City	Tel Aviv
Street	Technology Park, Derech Agudat Sport, Ha'poel 2 Jerusalem
Web	<a href="http://www.iserd.org.il/">http://www.iserd.org.il/</a>



## Contact

Name	Ofir Weltsch
Role	Transport National Contact Point



## Description

ISERD is Israel's National contact point for participation in the European Framework programme and is also responsible for promoting the participation of Israeli entities in in the European Framework Programmes and in bilateral and multilateral research and innovation activities with European countries.

ISERD – The Israel-Europe R&D Directorate is an inter-ministerial directorate, established by the Israeli Ministry of Economy, the Planning and Budgeting Committee of the Council for Higher Education the Ministry of Science and Technology, , the Ministry of Finance and the Ministry of Foreign Affairs.

ISERD is operated through the Israel Innovation Authority and is Israel's official contact point (NCP) with the EU, for all the activities of the Framework Programme.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- LC-MG-1-14-2020: Understanding and
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and

- mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- LC-MG-1-15-2020: Towards global environmental regulation of supersonic aviation
  - MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
  - MG-4-7-2020: Digitalisation of the transport system: data sharing
  - DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
  - LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
  - LC-BAT-12-2020: Novel methodologies for autonomous discovery of advanced battery chemistries
  - MG-2-11-2020: Network and traffic management for future mobility
  - MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
  - MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
  - MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- PHEV
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
  - MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
  - MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
  - LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries
  - LC-BAT-8-2020: Next-generation batteries for stationary energy storage
  - LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
  - LC-MG-1-13-2020: Decarbonising long distance shipping
  - MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
  - LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport



# ISTANBUL TECHNICAL UNIVERSITY

## University

Country	Turkey
City	ISTANBUL
Street	İTÜ Uçak ve Uzay Bilimleri Fakültesi, Maslak Kampusu, SARIYER
Web	<a href="http://global.itu.edu.tr/">http://global.itu.edu.tr/</a>



## Contact

Name	ISMAIL BAYEZIT
Role	Assistant Professor



## Description

Founded in 1773 as the Imperial School of Naval Engineering during Ottoman Empire, Istanbul Technical University (ITU) is now one of the leading state universities in Turkey with approximately 32,000 students. The University offers 76 undergraduate and 140 graduate degree programs. ITU comprises 13 Faculties, 43 Departments, and 6 Graduate Institutes and Turkish Music Conservatory. ITU is a very long-established higher education institution and presents a powerful research base for scientists and for prospective researchers with its highly-developed research infrastructure. Providing technical education within a modern educational environment and strong academic staff, ITU is strongly identified with architectural and engineering education in Turkey. ITU is one of the leading research-intensive technical universities in Turkey.

### Research:

Being Turkey's first technical university, ITU aims to create a new generation of technology and innovation to drive economic growth by conducting value-added and industrially applicable research. ITU's researchers carry out research in the fields of engineering, core sciences, earth/planetary sciences, arts and social sciences. Particular research areas, in which the ITU researchers pursue discoveries and implement projects, are materials science, nanotechnology, aeronautics, mechatronics, biotechnology, renewable energy, sustainable building systems and design.

ITU is one of the leading research-intensive technical universities in Turkey. Regarding EU funded research; ITU currently has 21 projects from 6th Framework Programme, 47 projects from 7th Framework Programme, 3 projects from MEDA Programme, 2 projects from MINERVA Programme, 1 project from Leonardo Da Vinci Programme, 1 project from MATRA Programme, 1 project from Grundtvig Programme, 1 Project from DG TREN Fund, 1 Project from Youth in Action Programme, 1 project from Black Sea Cross Border Cooperation Programme, 2 Projects from Life Long Learning Programme, 11 projects from Erasmus Plus Programme, 1 project from IPA Capacity Building in the Field of Climate Change in Turkey Grant Scheme Programme, 19 projects from Horizon 2020 Programme. Besides, ITU is actively involved in wide range of national projects. In this respect, ITU has around 9000 projects funded by different national research programmes since 2003.

With 360 labs and 10 research centers, ITU is a high quality research institution and has the facilities that are required to accomplish the proposed research.

## Areas of Activity

- MG-3-6-2020: Towards sustainable urban air mobility
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance

# Istanbul Technical University

## University

Country	Turkey
City	Istanbul
Street	Ayazaga Kampusu Maslak
Web	<a href="http://www.itu.edu.tr">http://www.itu.edu.tr</a>



## Contact

Name	Omer Kemal Kinaci
Role	Associate Professor



## Description

University.

## Areas of Activity

- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-BG-03-2020: Under water noise mitigation and environmental impact

# Istanbul University - Faculty of Political Sciences

## University

Country	Turkey
City	Istanbul
Street	Istanbul University Main Campus, Beyazit Fatih/ Istanbul
Web	<a href="http://siyasal.istanbul.edu.tr">http://siyasal.istanbul.edu.tr</a>



## Contact

Name	Adil Ünal
Role	Research & Teaching Assistant



## Description

The Faculty of Political Sciences is one of the premier centers for higher education and research on political sciences in Turkey. It is comprised of three departments: Political Science and Public Administration, Political Science and International Relations, and Business Administration. It is committed to contributing to the literature on social sciences in accordance with the principles of participation, equality, and peace. The academic staff with their wide range of interests and fields of expertise, emphasize the inter-disciplinary approach to research and higher education. To this end, the undergraduate and graduate programs offered in the faculty are designed to develop the skills, knowledge, and lifelong learning proficiency of the applicants necessary for contributing to inventive knowledge within the framework of political and administrative sciences. The faculty also aims to instill the students with the values of democracy and human rights, individual and social responsibility, independent and critical thinking skills.

The Departments of Political Science and International Relations as well as Political Science and Public Administration offer %30 English undergraduate curriculums. Students are expected to pass the English proficiency exam in their freshman year. Undergraduate program in business administration on the other hand is taught completely in Turkish.

Faculty graduates find career opportunities at home and abroad in the private as well as the public sector. While Political Science and Public Administration graduates have been exceptionally successful in both local and national levels of various Ministry of Interior positions, graduates of business administration benefit from the large network of private sector connections the department cultivated over the years. Political Science and International Relations graduates find opportunities in the public institutions and organizations; international NGOs, intergovernmental organizations and the private sector.

## Areas of Activity

- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-2-11-2020: Network and traffic management for future mobility

# ITENE

## R&D Institution

Country Spain  
City Paterna  
Street



## Contact

Name Oscar Ruiz



## Description

ITENE is a non-profit Research centre integrated with businesses, entities and institutions related to Packaging, Transport and Logistics. ITENE has participated in 59 projects from FP6 to H2020 (both, as coordinator and participant). More specifically in 24 projects at cooperative European and national level related to Transport and Logistics. The Department of Transport will be involved in this project, offering its expertise of both: passenger and freight electrical transport. On this regard, FREVUE and PROEBIKE European running projects allow ITENE help logistic companies to demonstrate the economical and operational feasibility of using electric fleet for last-mile distribution using consolidation center and collaboration schemes. ITENE has also a proved expertise on the application of sustainable urban mobility planning, ITS for travelers to choose sustainable routes, and transport impact assessment (environmental, economic and social). Urban mobility is also a relevant part of its activity, having experience in activities such as modelling and simulation of traffic (evaluation of scenarios, prevention and analysis) and forecasting demand.

## Areas of Activity

- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- LC-MG-1-13-2020: Decarbonising long distance shipping
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers

- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations

## Marketplace Opportunities

### PROJECT COOPERATION

#### Interest in being WP leader in User-focused demonstrations

ITENE coordinated the local pilot developed in Madrid of the FREVUE project. This pilot was held out in a consolidation centre in Madrid shared by logistics operators: TNT, SEUR, CALIDAD PASCUAL, with the aim of provide evidence on how innovative solutions using electric freight vehicles can help to achieve emission free city logistics. Likewise, ITENE also coordinated the PRO-E-BIKE project (Intelligent Energy Europe) user cases held in Valencia and Ibiza. These pilots demonstrated the eligibility of using electric bike for urban delivery (specifically, the Central Market was involved in Valencia and EROSKI-a big Spanish retailer-in Ibiza). In this context, ITENE developed the methodology to evaluate the results from all the 8 pilots held in the project.

# ITS Norway

## Association/Agency

Country	Norway
City	Oslo
Street	
Web	<a href="https://its-norway.no">https://its-norway.no</a>



## Contact

Name	Runar Søråsen
Role	Project Manager



## Description

ITS Norway is a member organisation with approximately 70 members within the field of intelligent transport systems (ITS). Members include authorities, businesses, R&D and other relevant stakeholders. ITS Norway has extensive experience participating in international R&D programs.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use



# KTN Ltd

## Other

Country	United Kingdom
City	London
Street	
Web	<a href="http://www.ktn-uk.org">http://www.ktn-uk.org</a>



## Contact

Name Viola Hay



## Description

KTN was established by Innovate UK (the UK's Innovation funding agency) to build better links between science, creativity and business. KTN currently employs >180 people and has specialist teams covering all significant sectors of the economy, from Chemistry and Industrial Biotechnology, Materials, AgriFood and Energy, to the Circular Economy and the Digital and Creative Industries. Our expertise in connecting sectors, disciplines and skills with the right collaborations and business approach is what helps unlock the tremendous hidden value in people and companies. KTN has more than 90,000 members from over 37,000 organisations across all industries and technologies. Working with large and small companies, government agencies and research organisations, with technology hubs and start-ups, public funding bodies, Venture Capitalists and private investors, KTN has built a unique network that helps enterprising people and companies reach the full potential of their innovative capabilities.

KTN occupies a unique position at the interface between government, finance, business and research and as not-for-profit organisation provides an impartial agile agency for supporting business growth and acceleration. Focusing on business innovation as core activity, KTN has in-depth experience of the financial landscapes, business model development, investor readiness, routes to market and market opportunities, and the creation of value networks and collaborations.

During 2016, KTN supported its network with organising 400+ events with 20,000+ participants, with 900+ introductions between businesses matching innovation needs to innovative capabilities, and with producing 100+ roadmaps, research reports and analyses across 16 sectors.

## Areas of Activity

- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-8-2020: Next-generation
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-3-4-2020: Innovative electric network architectures and systems, optimising

- batteries for stationary energy storage
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies

- global energy, electrical power, data and communication for aviation
- MG-3-6-2020: Towards sustainable urban air mobility
  - MG-4-7-2020: Digitalisation of the transport system: data sharing

# LGI - Sustainable Innovation

## SME

Country	France
City	Paris
Street	13 rue de Marivaux, 3eme etage
Web	<a href="http://www.lgi-consulting.com">http://www.lgi-consulting.com</a>



## Contact

Name	Eva Boo
Role	Innovation Director



## Description

We are a French SME that aims to make sustainable innovation happen. We work all along the innovation chain on studies on strategy, marketability, policy analysis and techno-economics. We lead projects or WP and we are currently working in several EU projects on mobility dealing with: gender, citizen engagement, digitalisation of transport and new business models. We generally contribute actively in the proposal phase and have a large network of partners in the transport & mobility sector.

## Areas of Activity

- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and

innovation

# LISt

## Other

Country	Germany
City	Dresden
Street	
Web	<a href="https://www.list.sachsen.de/">https://www.list.sachsen.de/</a>



LISt Gesellschaft für Verkehrswesen  
und ingenieurtechnische  
Dienstleistungen mbH

## Contact

Name	Susanne Matschek
Role	Project Manager, Department of Transport Management

## Description

LISt ist a subsidiary of the Free State of Saxony, which develops concepts for intelligent transport systems in Saxony.

## Areas of Activity

- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

## Marketplace Opportunities

### PROJECT COOPERATION

### Connected Cities Dresden-Prag

The project Connected Cities Dresden-Prag aims to develop and test highly automated vehicles within different large-scale, cross-border use cases. Considering technical, organisational und operational issues, different cross-border automated and connected driving functions will be demonstrated. Furthermore the evaluation of functional safety, security, user acceptance and behaviour and effects on the transport system are of great interest.

# LISt GmbH

## Other

Country	Germany
City	Hainichen
Street	Ernst-Thälmann-Straße 5
Web	<a href="https://www.list.sachsen.de">https://www.list.sachsen.de</a>

## Contact

Name	Maria Hübschmann
Role	Project Manager Department Transport Management

## Description

LISt GmbH is a subsidiary of the Free State of Saxony and develops concepts for intelligent transport systems in Saxony.

## Areas of Activity

- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

# LiveU

## SME

Country	Israel
City	Kfar Saba
Street	ha gavish
Web	<a href="http://www.liveu.tv">http://www.liveu.tv</a>



## Contact

Name	Baruch Altman
Role	AVP, CTO office; Teleoperation PM

## Description

Teleoperation of vehicles and UAVs/drones, remote assisted driving, remote driving and Connected Car/UAV solution provider.

Also: delivering reliable, broadband multi-sensors and real time video from multiple cameras, LIDARs etc, from the vehicles or from drones.

Coming originally from the media/broadcasting market with our own multilink cellular bonding and video transmission technology serving big and small broadcasters and sports organizations around the world for their live coverage transmission. We have adapted and expended into the autonomous car and connected car verticals.

## Areas of Activity

- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

# Logistics Initiative Hamburg

## Association/Agency

Country	Germany
City	Hamburg
Street	Wexstraße 7
Web	<a href="http://www.hamburg-logistik.net">http://www.hamburg-logistik.net</a>



## Contact

Name	Thomas Brauner
Role	Project Manager Innovation



## Description

The registered association "Logistik-Initiative Hamburg e.V." was established by representatives of the business community and the Hamburg State Ministry of Economic and Labour Affairs. With more than 500 active members from the logistics industry and related sectors, this powerful network is the largest of its kind in Germany. As a public-private partnership, the Logistics Initiative aims to expand Hamburg's role as the leading logistics hub in northern Europe and provide support for all logistics-related industries, trades and services. The Logistics Initiative offers a wide range of activities in the fields of information & Public Relation, Service & Support, Working Groups & Projects as well as Networking & Events. The main fields of action are development of sites, real estate and an infrastructure that meets the needs of the logistics industry, personnel qualification, Innovation & Technology, Sustainability and profiling the region. The Logistics Initiative Hamburg is the first to contact in the Hamburg Metropolitan Region regarding all questions of the logistics industry, Institutions or the general public. The Logistics-Initiative Hamburg was awarded the GOLD Label of "Cluster Management Excellence" by the European Commission in 2014.

## Areas of Activity

- MG-4-7-2020: Digitalisation of the transport system: data sharing
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system



support of transport research and  
innovation

## Marketplace Opportunities

### PROJECT COOPERATION

We are looking for interesting project participation opportunities.

As an innovation cluster in logistics, our focus topics are:

- digitilization of the supply chain, AI, Blockchain
- Intelligent transport systems (ITS), with Hamburg being host city of the ITS world Congress in 2021
- automated and connected transport systems
- Smart last mile and urban mobility concepts
- Smart and sustainable logistics (clean fuels, e-mobility, hydrogen, sustainable logistics real estate...)

Our strength is our strong and broad network. with over 550 member companies and institutions, we are the largest institutionalized logistics network within Europe!

# London Councils - London European Partnership for Transport

## Authority/Government

Country	United Kingdom
City	London
Street	59½ Southwark Street
Web	<a href="https://www.londoncouncils.gov.uk/services/london-european-partnership-transport-lept">https://www.londoncouncils.gov.uk/services/london-european-partnership-transport-lept</a>



## Contact

Name	Heloise Thibault
Role	Communications and European Projects Officer



## Description

The London European Partnership for Transport (LEPT) is a partnership hosted by London Councils which coordinates, disseminates and promotes the sustainable mobility agenda for London and London boroughs in Europe. LEPT works with the 33 London boroughs to build upon European knowledge and best practice, helping cities to work together to deliver specific transport policies and initiatives, and providing better value to London.

One of LEPT's main roles is to identify, bid for and manage EU transport and mobility projects involving London boroughs.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-13-2020: Coordination and support for an integrated freight transport and
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?

logistics system

# LOPEZ LEZA CONSULTORES

## Consulting

Country	Spain
City	MADRID
Street	C/ VELAZQUEZ 27
Web	<a href="http://www.lopezlezaconsultores.com">http://www.lopezlezaconsultores.com</a>

## Contact

Name	LUISA LÓPEZ LEZA
Role	DIRECTOR



## Description

López Leza Consultores carries out activities aimed at influencing decisions concerning the transport sector by building dialogue and relationships between the client and legislators. We ensure that our clients have a high-profile presence in international markets and knowledge and access to funding instruments in order to implement their projects and contribute to the realisation of the targets in international and European policies.

## Areas of Activity

- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-6-2020: Towards sustainable urban air mobility
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

approaches towards demonstrating and testing innovative solutions

# Luxinnovation

## Authority/Government

Country Luxembourg  
City Belvaux  
Street

## Contact

Name Stefano Pozzi Mucelli  
Role Senior European RDI Advisor

## Description

Luxembourg Innovation Agency

## Areas of Activity

- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- MG-2-11-2020: Network and traffic management for future mobility
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-3-8-2020: 'First of a Kind' solutions for
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use

- sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-BG-03-2020: Under water noise mitigation and environmental impact
  - LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
  - LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
  - LC-BAT-12-2020: Novel methodologies for autonomous discovery of advanced battery chemistries
  - LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
  - MG-3-6-2020: Towards sustainable urban air mobility
  - MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
  - LC-BAT-8-2020: Next-generation batteries for stationary energy storage
  - LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
  - LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries
  - LC-MG-1-15-2020: Towards global environmental regulation of supersonic aviation
  - MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
  - LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
  - LC-MG-1-13-2020: Decarbonising long distance shipping
  - DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations

# M.S.I.E.

## SME

Country	Belgium
City	Bruxelles
Street	Louis Schmidtlaan



## Contact

Name	Marc GINNEKEN
Role	CEO



## Description

### MAKESOLEINEUROPE

We are a Belgium energy company based in Brussels capital of Europe, with large international (France, Spain, Portugal, Italian, Greece) and overseas (Cambodia, Philippines, Thailand, Singapore, Laos, USA, Peru, ) ambitious in the future.

We are developing mainly solar rooftop project and land field energy projects as a concept in which a total package as EPC All inn is offered; from product, over EPC until O & M. and financing.

What we supply are not prices but technical, administrative and financial solution with photovoltaïque systems for those situation where others (companies) in the solar market can't offer something and this due to technical limits, lack of vision in marketing and poor administrative/legal, financial involvement.

- Technical limits in weight (kg/m<sup>2</sup>), space to implement and timing of installation, esthetic
- Lack of vision an attitude as followers marketing, selling prices, and not solving obstacles.
- poor administrative/legal avoided the obligation to announce public tender in Brussels
- financial involvement, strong relation with external investors as third party investor

The concept is a niche made for clients for whom are interested in green energy trough solar energy but due to technical and legal reason or administrative and financial reasons traditional way of working or rigid solar panels are not able to be used.

- all industrial buildings (factories, warehouse) with a roof with a weak stability
- all protected building by the authorities Heritage sites and monuments
- all municipalities buildings in Brussels with a high consumption of energy, light rooftops
- all flat (zero degree slope) and rooftops with difficult accessibility for installation

We can realize the concept with the support of the her under mention companies

- ? the manufacturer of Flexi Thin Solar Film the company
- ? the EPC (Engineering, Procurement, Construction) Electricities
- ? the O & M expert Entec/Threepower
- ? the lawyer firm Field Fisher Waterhouse expert in energy law



## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions

# Magellan - European Affairs Consultancy

## Consulting

Country	Belgium
City	Brussels
Street	Rond Point Schuman number 6, 7th floor
Web	<a href="https://magellan-association.org/en/home-eng/">https://magellan-association.org/en/home-eng/</a>

## Contact

Name	Claudia Ribeiro
Role	Consultant



## Description

Magellan is a European Union Affairs Consultancy and an active beneficiary in several large-scale European projects with a recognisable impact in a wide array of sectors. With offices in Porto (Portugal) and Brussels (Belgium), Magellan stands out for its action in public affairs, project management, preparation of project bids for EU funding, communication, dissemination and exploitation of project's results, event management, networking, promotion and representation towards the EU institutions.

From its experience, Magellan has supported nearly 20 European innovation projects, developing a consolidated know-how in maximising the implementation and technical and policy impact of projects through dissemination and communication activities, as well as the exploitation of projects' results. Magellan's team delivers expertise in innovation and research funding, project management, internationalisation, events, workshops, training, communication and dissemination activities of European projects and drafting of R&D policy recommendations. Magellan's track record in EU funding projects includes Horizon 2020, Connecting Europe Facility Transport (CEF-T), LIFE and Erasmus +.

## Areas of Activity

- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-12-2020: Improving road safety by

- access, scale up and derisking
- MG-4-7-2020: Digitalisation of the transport system: data sharing

- effectively monitoring working patterns and overall fitness of drivers
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards

# Magellan - European Affairs Consultancy

## Consulting

Country	Portugal
City	Porto
Street	
Web	<a href="https://magellan-association.org/en/home-eng/">https://magellan-association.org/en/home-eng/</a>



## Contact

Name	Ana Vaz Raposo
Role	EU Funding Director



## Description

Magellan is an EU Affairs Consultancy and an active beneficiary in several large-scale European projects with a recognisable impact, mainly in the transport sector. Magellan stands out for its action in public affairs, project management, preparation of project bids for EU funding, communication and dissemination, event management, networking, promotion and representation towards the EU institutions.

From its 9 years of experience, Magellan has supported nearly 20 European innovation projects, developing a consolidated know-how in maximising the implementation and technical and policy impact of projects through dissemination and communication activities, as well as the exploitation of projects' results. MAGELLAN's team delivers expertise in innovation and research funding, project management, internationalisation, events, workshops and training. Our track record in EU funding projects includes Horizon 2020, Connecting Europe Facility Transport (CEF-T), LIFE, COSME, Interreg, Erasmus +.

In the transport sector, MAGELLAN has been a partner in the following projects: LASHFIRE (H2020), TRA 2022 (H2020), Docks the Future (H2020), STEER (H2020), STM - Sea Traffic Management Validation Project (CEF-T), Picasso - Preventing Incident and Accident by Safer Ships on the Ocean (CEF-T), among others.

Magellan is a member of PTPC, and has past experience in H2020 Projects, namely in communication and dissemination activities, which is why it is the appropriate third party to participate in activities within the Project that require project communication/dissemination and management throughout the duration of the Project.

## Areas of Activity

- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and

- and overall fitness of drivers
- MG-4-7-2020: Digitalisation of the transport system: data sharing
  - MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
  - MG-3-6-2020: Towards sustainable urban air mobility
  - MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
  - MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- testing innovative solutions
  - LC-MG-1-13-2020: Decarbonising long distance shipping
  - MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
  - MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
  - MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
  - MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation

# Magellan - European Affairs Consultancy

## Consulting

Country	Portugal
City	Porto
Street	Av. Boavista 1588 7
Web	<a href="http://www.magellan-association.org/">http://www.magellan-association.org/</a>

## Contact

Name	João de Noronha Correia
Role	EU Affairs Consultant



## Description

Magellan is a European Union Affairs Consultancy and an active beneficiary in several large-scale European projects with a recognisable impact in a wide array of sectors. With offices in Porto (Portugal) and Brussels (Belgium), Magellan stands out for its action in public affairs, project management, preparation of project bids for EU funding, communication, dissemination and exploitation of project's results, event management, networking, promotion and representation towards the EU institutions. From its experience, Magellan has supported nearly 20 European innovation projects, developing a consolidated know-how in maximising the implementation and technical and policy impact of projects through dissemination and communication activities, as well as the exploitation of projects' results.

Magellan's team delivers expertise in innovation and research funding, project management, internationalisation, events, workshops, training, communication and dissemination activities of European projects and drafting of policy recommendations. Magellan's track record in EU funding projects includes Horizon 2020, Connecting Europe Facility Transport (CEF-T), LIFE and Erasmus +, among others.

## Areas of Activity

- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and
- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-4-7-2020: Digitalisation of the transport system: data sharing

testing innovative solutions

# MAHLE International GmbH

## Large Company

Country Germany  
City Stuttgart  
Street

## Contact

Name Tobias Horn  
Role Coordinator Public Funding and  
Research Policy

## Description

MAHLE is a leading international development partner and supplier to the automotive industry as well as a pioneer for the mobility of the future. The group's product portfolio addresses all the crucial issues relating to the powertrain and air conditioning technology—both for drives with combustion engines and for e-mobility. In 2018, the group generated sales of approximately EUR 12.6 billion with more than 79,000 employees and is represented in more than 30 countries with 160 production locations.

## Areas of Activity

- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-MG-1-13-2020: Decarbonising long distance shipping



# MAP traffic management

## SME

Country	Netherlands
City	Utrecht
Street	
Web	<a href="https://www.maptm.nl/">https://www.maptm.nl/</a>



## Contact

Name	Patrick Hofman
Role	Traffic engineer



## Description

MAPtm, founded in 2010 is a SME and service provider in the domain of Traffic Management. Apart from traditional Traffic Management MAPtm explores new, innovative services based on for example Data analytics, Social Media, Mobility as a Service and C-ITS. MAPtm operates as an independent partner for road authorities, national and local governments, municipalities and contractors. As independent partner, MAPtm fulfils the role of project coordinator / manager in many projects to align both public and private interests. MAPtm is active on the complete chain of Traffic Management, from the design phase, including development of new smart algorithms, up to the exploitation and operation from their own Traffic Centre. MAPtm is active in national and international research and innovation projects dealing with Mobility-as-a-Service, Connected and Automated Driving and Interactive Traffic Management.

## Areas of Activity

- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions

# Matesis Marine Engineering

## SME

Country	Turkey
City	ISTANBUL
Street	Sanayi Mah. Teknopark Bul. 1/1A D:210 İstanbul Teknopark Pendik/İstanbul
Web	<a href="https://www.matesis.com.tr/">https://www.matesis.com.tr/</a>



## Contact

Name	Bariş Dedetaş
Role	director



## Description

Ship design and engineering

## Areas of Activity

- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- MG-BG-03-2020: Under water noise mitigation and environmental impact

# Michelin

## Large Company

Country	Belgium
City	Brussels
Street	
Web	<a href="https://www.michelin.com/">https://www.michelin.com/</a>

## Contact

Name	Louise Touzé
Role	Lobbyist

## Description

Michelin is a leader in sustainable mobility, offering everyone a better way forward. The core business of our company is tyres, but the group is also well known for its connected services around tyres and mobility, its maps and guides and high technology materials.

## Areas of Activity

- MG-3-6-2020: Towards sustainable urban air mobility
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-7-2020: Digitalisation of the transport system: data sharing

# MILK PRODUCERS ASSOCIATION

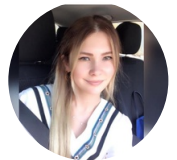
## Association/Agency

Country	Turkey
City	BALIKESİR
Street	ege neighborhood yeni yol street number 9/A
Web	<a href="http://www.balikesirsut.com/">http://www.balikesirsut.com/</a>



## Contact

Name	Selin Fındık
Role	Project Manager



## Description

Our Association is firstly provide record the milk. And also we make a project for farmers which getting a lives easier. We are control the farmers milk including in microbiology and chemical quality too. Finally we lead to farmers for reach a high quality milk.

## Areas of Activity

- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles

## Marketplace Opportunities

### PROJECT COOPERATION

### Low-carbon and sustainable transport

Our aim is to present a project on Food Safety and Food Logistics within the scope of Horizon2020. We plan our transition to an innovative system by combining our project, which will be applied on energy saving and food safety, which is one of today's subjects, with the transportation area. We aim to contribute to energy saving by transforming the sun, which is the source of our nature, into electrical energy by integrating the recently used solar energy panels into logistics transportation. Thus, we plan to reduce the use of diesel, which is the enemy of nature. The trucks used in commercial cold food transfer transport use fuel both in the chassis and in the damper section. This fuel cost is mostly diesel. Recently, the European Union has taken many measures to reduce the use of nature-damaging fuel

and began to produce electric vehicles. Our goal is to produce solar vehicles by adding solar panels to existing trucks instead of producing electric vehicles. In addition, it is planned to add special, continuously monitored applications to these sections. The applications will be determined which of the primary quality criteria vary according to each food type and food sensors will be placed to measure and follow this quality criterion.

# Milk Producers Association

## Association/Agency

Country	Turkey
City	Balıkesir
Street	Ege Neighborhood Yeniyol Street No:9/A
Web	<a href="http://www.balikesirsut.com/">http://www.balikesirsut.com/</a>



## Contact

Name	Safiye Bozbey
Role	Engineer



## Description

Our Association is firstly provide record the milk. And also we make a project for farmers which getting a lives easier. We are control the farmers milk including in microbiology and chemical quality too. Finally we lead to farmers for reach a high quality milk.

## Areas of Activity

- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles

# Ministry of Transport, Czech Republic

## Authority/Government

Country        Czech Republic  
City            Prague  
Street

## Contact

Name           Tereza Cizkova  
Role            Senior Policy Officer

## Description

Ministry

## Areas of Activity

- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

# MJC2

## SME

Country	United Kingdom
City	Crowthorne
Street	
Web	<a href="https://www.mjc2.com/">https://www.mjc2.com/</a>

## Contact

Name	Julian Stephens
Role	Technical Development Manager



## Description

MJC 's advanced scheduling software provides powerful planning and optimization solutions which address areas such as real-time logistics planning, manufacturing scheduling, supply chain optimization, real-time distribution scheduling, dynamic vehicle routing, mobile workforce management, strategic logistics, demand forecasting and employee scheduling & rostering.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?



innovation

# Mobile Locker

## SME

Country	Belgium
City	Antwerpen
Street	
Web	<a href="http://www.mobilelocker.eu">http://www.mobilelocker.eu</a>

## Contact

Name	Felix Vanvuchelen
Role	Managing Director

## Description

A scale-up company, specialized in the development and exploitation of smart lockers and locker solutions. Our Smart urban Kiosk is fit for the Smart City and combines different services; parcel-delivery, hand-free shopping and many more.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage

# MOBINOV - Portuguese Automotive Cluster

## Association/Agency

Country	Portugal
City	Matosinhos
Street	Av. D. Afonso Henriques 1825
Web	<a href="http://www.mobinov.pt">http://www.mobinov.pt</a>



## Contact

Name	Fernando Machado
Role	Secretary general



## Description

MOBINOV - Automotive Cluster Association was founded in 2016, to promote the convergence of various players in the national automotive industry, including global manufacturers and suppliers present in Portugal, national suppliers, associations and knowledge centers and universities, around an ambitious action plan and structured in programs aimed at the development of this industry. Our Mission is to push the growth of the national automotive sector through initiatives and mobilizing projects that strengthen international competitiveness through increased cooperation and coordination between enterprises, associations, public administration bodies and entities of SI&I. The Main goals are: reinforce the competitiveness of the automotive sector, promoting the increase of exports and its internationalization and prepare a new cycle of the automotive industry on a trajectory for the "car as a service", and other automotive global trends.

## Areas of Activity

- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU

- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?

# Mosaic Factor

## SME

Country	Spain
City	Barcelona
Street	
Web	<a href="https://www.mosaicfactor.com/en/index.php">https://www.mosaicfactor.com/en/index.php</a>

## Contact

Name	Irene Chausse
Role	Data Analyst



## Description

Mosaic Factor is specialised in big data and artificial intelligence for mobility and logistics. We develop data driven innovation solutions with a strong focus on data sharing and all related challenges and opportunities

## Areas of Activity

- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use

# MotorLand Aragón

## Authority/Government

Country	Spain
City	Allcañiz
Street	
Web	<a href="http://www.motorlandaragon.com/">http://www.motorlandaragon.com/</a>

## Contact

Name	Abel Ortego
Role	Head of Knowledge Development Area



## Description

MotorLand Aragón is a public company dedicated to the organization of international motorsport events such as MotoGP, SBK or WTCR. Our facilities have the most modern infrastructures and equipments to develop technological tests in any type of vehicle. Our main capacity as R+D+i partner is to be the location and demo site where any type of tests with vehicles can be done. Finally, we have an organizational area made up of doctors and engineers who can lead technological tasks.

## Areas of Activity

- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-2-11-2020: Network and traffic management for future mobility
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system

# MOV'EO

## Association/Agency

Country	France
City	Paris
Street	
Web	<a href="https://pole-moveo.org/en/">https://pole-moveo.org/en/</a>



## Contact

Name	Mathilde Petit
Role	Head of EU Affairs / Transport NCP



## Description

Mov'eo is a competitiveness cluster dedicated to Automotive and Mobility. Mov'eo drives innovation in the Automotive and Mobility industry and fosters the funding of research and development projects and collaborative business between its 380 members and contributes to the development of companies on its territories (Normandy and Greater Paris area). Through its services: Innovation, Business, Skills and Network, the cluster provides daily support to its members to transform their innovation projects into competitive products or services on the market.

The cluster is located in 2 regions: Normandy and Paris Region, where 70% of France automotive R&D is performed. Mov'eo is awarded Gold Label by ECIS.

Our objective: Build the "Mobility Valley", a European and International reference of innovative and responsible mobility

Mov'eo is already involved in four H2020 projects (BRAVE, Skillful, IMPACT Connected Car & E2driver). Mov'eo brings its ecosystem in all the EU project (focus on SMEs/Start-up involvement) + animation of expert groups + dissemination/Long term effect

## Areas of Activity

- MG-2-11-2020: Network and traffic management for future mobility
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- LC-GV-06-2020: Advanced light materials and their production processes for
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- LC-MG-1-14-2020: Understanding and

- automotive applications
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking

## Marketplace Opportunities

### PROJECT COOPERATION

## French Mobility Ecosystem for your project

Mov'eo would be a growth booster for your project.

We can help you to identify partners within our network or be directly your partner for your project.

our thematics are : smart & safe mobility, green Mobility, factory of the future.

Mov'eo is a key partner in the field of mobility based in the scientifically and technologically advanced regions of Greater Paris area and Normandy

We gather a unique ecosystem where each member can find

- Partners & customers
  - Fundings to transform their ideas into projects, and their projects into products or services, and bring them to the market
  - the largest business community for the mobility sector in France
- we have 370 members (from SME, to Big players like OEM, etc...), that represent more than 70% of France Automovive R&I.

our main activities in EU Projects :

- Dissemination and exploitation coordinator : for example WP leader in the H2020 BRAVE project for communication & dissemination
- Mirror group / Advisory board coordinator: example WP leader in the BRAVE project for the Advisors group
- Experts network : WP leader in the BRAVE, H2020 IMPACT Connected Car, COSME MobiGoIn Action projects
- Industry clustering & community building :Task leader in the BRAVE, IMPACT Connected Car, MobiGoIn Action projects
- Access to SMEs
- Task leader in the IMPACT Connected Car, MobiGoIn Action projects
- 200 French SME + all our partner's clusters members

EU experience

- Transport NCP, EGVI member
- Involved in 5 H2020 running projects (Brave, Skillful, E2driver, Impact Connected Car, MobiGoIn) + in the S3 platform on Smart and Safe Mobility



=>Mov'eo brings its ecosystem in all the EU projects (focus on SMEs/Start-up involvement) + animation of expert groups + dissemination/Long term effect

# Mr

## SME

Country	United Kingdom
City	Alnwick
Street	3 Dunstan Square, Dunstan
Web	<a href="http://www.epicuro.co.uk">http://www.epicuro.co.uk</a>

## Contact

Name	Denis Chamberlain
Role	Civil Engineer



## Description

Inventor, manufacturer and distributor of construction materials and equipment that is pro-environment.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-3-6-2020: Towards sustainable urban air mobility

# MV Werften Wismar GmbH

## Large Company

Country	Germany
City	Rostock
Street	Werftallee 10
Web	<a href="http://www.mv-werften.com">http://www.mv-werften.com</a>



## Contact

Name	Frank Roland
Role	Director Shipyard Development and Innovation

## Description

Group consisting of three shipyards, one modulare cabin factory and a design office located in the North-East of Germany. Focusing on large cruise ships, expedition cruise vessels and similar complex products.

## Areas of Activity

- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-MG-1-13-2020: Decarbonising long distance shipping

## Marketplace Opportunities

### PROJECT COOPERATION

#### Energy efficiency measures in cruise ships

we have several ideas on energy Efficiency on cruise ships. Intend to build prototype onboard or in realistic Environment, and to build numerical model of energy chain with inclusion of real life measurements (similar to iron bird concept in aeronautics)

### PROJECT COOPERATION

#### Production processes in shipyards

We are aiming at a combination of simulation (digital twin) and a real-life prototye for steel pre-

assembly and/or pipe production. Seeking for other shipyards (in particular small SY and repair) as well as Technology developers/suppliers e.g. robotics, additive manufacturing etc

#### PROJECT COOPERATION

### Szenarios for maritime battery applications in various ships

Interested to look into application scenarios of maritime batteries on cruise vessels (MV Werften) and other types of ships (Neptun Ship Design), inclusion in ship energy Management, cost benefit analysis etc

# National Academy of Sciences of Belarus

## R&D Institution

Country	Belarus
City	Minsk
Street	66, Independence av.
Web	<a href="http://nasb.gov.by/eng/">http://nasb.gov.by/eng/</a>

## Contact

Name	Natallia Yankevich
Role	NCP, the Head of the Center



## Description

The National Academy of Sciences of Belarus organizes and coordinates basic and applied scientific research carried out by all subjects of scientific activity, conducts basic and applied scientific research and development in the most important areas of natural, technical, humanitarian, social sciences and arts in order to obtain new knowledge about man, society, nature and artificially created objects to increase the scientific, technical, intellectual and spiritual potential of the Republic of Belarus.

## Areas of Activity

- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles

# National Composites Centre

## R&D Institution

Country	United Kingdom
City	Bristol
Street	
Web	<a href="http://www.nccuk.com">http://www.nccuk.com</a>

## Contact

Name	Stacey Downton
Role	Strategic Partnerships Manager

## Description

We are a world leading not-for-profit composite design and prototyping organisation working on some of the UK's most important programmes in aerospace, automotive, renewable energy and increasingly, construction.

## Areas of Activity

- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-3-6-2020: Towards sustainable urban air mobility
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport

# National University of Ireland, Galway / CAR Group

## University

Country	Ireland
City	Galway
Street	
Web	<a href="http://www.nuigalway.ie">http://www.nuigalway.ie</a>



## Contact

Name	Edward Jones
Role	Professor in Electrical & Electronic Engineering



## Description

Founded in 1845, National University of Ireland, Galway (NUI Galway) has earned international recognition as a research-led university with a commitment to top quality teaching. The University currently has a student population of 18,000 and is ranked among the top 1% of universities worldwide, according to data from QS World University Rankings.

The Connaught Automotive Research (CAR) Group at NUI, Galway develops signal processing, computer vision and machine learning technology for applications in connected and autonomous vehicles (CAV). A particular focus of the Group is on sensor signal processing for vehicle perception, particularly in challenging conditions such as bad weather and poor lighting. We also have expertise in biosignal analysis based on several years' experience in biomedical applications, which we also apply in driver monitoring. The Group has its own sensor-equipped test vehicle and is currently configuring the NUI Galway university campus as a test bed for CAV research and development. Website: [car.nuigalway.ie](http://car.nuigalway.ie)

## Areas of Activity

- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

## Marketplace Opportunities

### PROJECT COOPERATION

### Signal processing and machine learning for vehicle perception and driver monitoring

The CAR Group at National University of Ireland, Galway is active in the development of technology

for signal processing, image processing and computer vision for perception tasks in intelligent transportation systems. We also conduct research in driver monitoring, based on parallel research in bioelectric signal processing. We are also currently configuring the NUI Galway campus as a "controlled" test bed for technology development. We are seeking suitable collaboration opportunities with partners that would benefit from our capability.



# NCP Wallonie - Walloon Business Federation

## Association/Agency

Country	Belgium
City	Wavre
Street	3 Chemin du Stocquoy
Web	<a href="http://www.ncpwallonie.be/fr/">http://www.ncpwallonie.be/fr/</a>



## Contact

Name	Pierre Fiasse
Role	NCP Wallonie Coordinator



## Description

National Contact Point for Walloon region

Created in 2002, we support walloon companies, research actors to build their H2020 projects.

In terms of networking we connect walloon players with key EU actors.

Our precise knowledge of our R&D actors enable us to find appropriate walloon expertises (end users, sme, tech developers) in a very efficient and rapid way.

## Areas of Activity

- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage

- communication for aviation
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-3-6-2020: Towards sustainable urban air mobility
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-BAT-12-2020: Novel methodologies for autonomous discovery of advanced battery chemistries
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- LC-MG-1-15-2020: Towards global environmental regulation of supersonic aviation
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV

# NEMAND

## SME

Country	Belgium
City	Brussels
Street	Rue Juste Lipse, 19
Web	<a href="http://www.nemand.be">http://www.nemand.be</a>



## Contact

Name	Andrej Nemec
Role	Founder



## Description

Aviation Consulting and Engineering Services

## Areas of Activity

- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-MG-1-15-2020: Towards global environmental regulation of supersonic aviation
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-3-6-2020: Towards sustainable urban air mobility
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements

# NETAS

## Large Company

Country	Turkey
City	Istanbul
Street	
Web	<a href="http://www.netas.com.tr">http://www.netas.com.tr</a>

## Contact

Name	mehmet dađlı
Role	Project Coordinator



## Description

System Integrator

## Areas of Activity

- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

# Noldus Information Technology BV

## SME

Country	Netherlands
City	Wageningen
Street	Nieuwe Kanaal 5
Web	<a href="http://www.noldus.com">http://www.noldus.com</a>



## Contact

Name	Andrew Spink
Role	Senior Consultant



## Description

Noldus creates innovative tools for measuring behavior, health and wellbeing: from data collection to discover of insights. The company was founded almost 30 years ago in the Netherlands and has grown to 160 colleagues worldwide, in 9 different countries. We have over 9500 customers in 98 countries; academic and industrial researchers in the fields of human factors, usability, consumer behavior, market research, smart farming, psychology, zoology, health research, neuroscience and simulation & training. Most of our R&D is carried out in Wageningen (the Netherlands) and we also have a small R&D office in Budapest

## Areas of Activity

- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

# Novicor Technology Partners

## Consulting

Country	Turkey
City	Istanbul
Street	Huzur, Kat:5B, 34396 67, Fatih Cd., 34396 Şişli/ İstanbul
Web	<a href="http://www.novicor.com">http://www.novicor.com</a>



## Contact

Name	Ceren Gezik
Role	R&D Project Specialist



## Description

NoviCor Technology Partners is a consulting company, assisting its clients in fostering innovation in their organizations and getting access to financial resources including R&D grants as well as venture capital. We work closely with our clients while identifying and implementing the R&D roadmap that will help them achieve their goals.

NoviCor's R&D grants consulting business focuses on prestigious funds such as H2020, EUREKA and TUBITAK. We also assist our clients in determining the best R&D structure for their companies, analyzing the feasibility of different options (such as R&D Centers and Technoparks).

NoviCor also works very closely with most major Turkish universities and has been involved in creating large scale industry and academia projects and also consulting universities in shaping their technology transfer mechanisms such as incubation centers, project management offices and technology transfer offices.

## Areas of Activity

- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and

- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-MG-1-15-2020: Towards global environmental regulation of supersonic aviation
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- highly automated driving functions for passenger cars
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-BAT-12-2020: Novel methodologies for autonomous discovery of advanced battery chemistries
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries

# Nye Veier AS

## Other

Country	Norway
City	Kristiansand
Street	
Web	<a href="https://www.nyeveier.no/">https://www.nyeveier.no/</a>



## Contact

Name Kristina Standal Hagen



## Description

Nye Veier AS is a lean and efficient builders' organization.

It was established in 2016 by the Ministry of Transport and Communications with no commercial purposes.

In total, there are approximately 165 employees in the company, with around 60 employees in the Headquarters in Kristiansand and at the remaining spread out in various project offices.

Nye Veier plans, builds, operates and maintains major highways in Norway and in 2016, it received an initial portfolio of 530 km highway that were to be built within 20 years. It aims to build highways cheaper and more efficiently. In its statutes, it is stated that Nye Veier will prioritize projects with a positive social net benefit over projects that are not considered beneficial to the society.

Recently the company expanded its portfolio from 530 km to 750 km with three new stretches.

## Areas of Activity

- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport



# OSI GLOBAL SUPPLY CHAIN BV

## SME

Country	Netherlands
City	Den Haag
Street	WTC - Pr. Margrietplantsoen, 33
Web	<a href="https://www.osicargo.com/">https://www.osicargo.com/</a>



## Contact

Name	Jose M. Castillo
Role	CEO



## Description

OSI Global Supply Chain BV started in August 2013 with one clear objective: To make transport and logistics management simple, efficient and reliable by automating transport management processes.

## Areas of Activity

- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-6-2020: Towards sustainable urban air mobility

## Marketplace Opportunities

### PROJECT COOPERATION

#### Cargo Tracker

Transport safety and cargo security are key to the sustainability of the transport and logistics industry. Most transport accidents and cargo incidents are due to the way the cargo is loaded or how the weight of cargo is distributed inside trailers or containers.

Nowadays, there isn't a method available on the market to ensure that the cargo has been correctly loaded before departure or a way to report how an incident could be prevented or reported in real-time when something happens during transport.

Cargo Tracker provides access to information about the way cargo has been placed inside the trailer or container, which cargo has been collected and the conditions during transit.

## Cargo SaaS

Unlike conventional systems such as TMS (Transport Management System), onboard computers or so-called fleet management tools, Cargo SaaS collects and distributes all information directly from the source to the transport chain.

The system thus ensures open collaboration, resources optimization, incidents and invoicing automation with direct transfer of information to the entire transport network.

The technological novelty consists of the development of a SaaS collaborative platform in the cloud with software structure based on a hierarchical and modular design to enhance order processing, incident management and invoicing automation, integrating blockchain connected networks in real-time.

# Otokar Otomotiv ve Savunma Sanayi A.Ş

## Large Company

Country	Turkey
City	Sakarya
Street	Atatürk Cad. No: 6 Arifiye 54580 Sakarya Turkey
Web	<a href="https://www.otokar.com/en-us/corporate/aboutotokar/Pages/about.aspx">https://www.otokar.com/en-us/corporate/aboutotokar/Pages/about.aspx</a>

# Otokar

## Contact

Name	Mustafa Gürçan
Role	Product Assurance and Configuration Manager



## Description

One of the companies of Koç Group, Otokar has been providing solutions special to the needs of the customers with its own technology, design and applications since 1963. It is operating with over 2000 employees at the factory built on a land of 552,000 m2 in Sakarya. Otokar has been manufacturing buses for public transportation, semi-trailers for transportation and logistics industry and tracked armoured vehicles and tactical armoured vehicles for the defense industry. Being a leader in the bus industry and the land vehicles in the defense industry in Turkey, Otokar is the main contractor in the "Design and Prototype Development Project" of ALTAY, the national battle tank of Turkey.

## Areas of Activity

- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications

# Otokar Otomotiv ve Savunma Sanayi A.Ş

## Large Company

Country	Turkey
City	Sakarya
Street	Atatürk Cad. No: 6 Arifiye 54580 Sakarya Turkey
Web	<a href="https://www.otokar.com/en-us/corporate/aboutotokar/Pages/about.aspx">https://www.otokar.com/en-us/corporate/aboutotokar/Pages/about.aspx</a>

# Otokar

## Contact

Name	Onur Alkan
Role	Product Assurance and R&D Center Section Manager



## Description

One of the companies of Koç Group, Otokar has been providing solutions special to the needs of the customers with its own technology, design and applications since 1963. It is operating with over 2000 employees at the factory built on a land of 552,000 m2 in Sakarya. Otokar has been manufacturing buses for public transportation, semi-trailers for transportation and logistics industry and tracked armoured vehicles and tactical armoured vehicles for the defense industry. Being a leader in the bus industry and the land vehicles in the defense industry in Turkey, Otokar is the main contractor in the "Design and Prototype Development Project" of ALTAY, the national battle tank of Turkey.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries

# Outsmart Consulting

## SME

Country	Hungary
City	Szentendre
Street	Kisforras utca 21 C/3
Web	<a href="http://www.linkedin.com/company/outsmart-consulting-bt">http://www.linkedin.com/company/outsmart-consulting-bt</a>



## Contact

Name	Jerome Simpson
Role	Founder   Principal Consultant



## Description

Professional support in the realm of communications, smart urban mobility, project management, development & evaluation

## Areas of Activity

- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use

## Marketplace Opportunities

### PROJECT COOPERATION

#### Consortium building, bid preparation, final reviews and language check

With an eye particularly on MG 1.12, 3.8, 4.7 through to 4.10 within Smart, Green and Integrated Transport and over 20 years experience in FP projects (10 in urban mobility), Outsmart Consulting is ready to support bid preparation and consortium building and/or complete a final review/language check prior to submission.

# PARAGON S.A.

## SME

Country	Greece
City	Athens
Street	13, Karaoli & Dimitriou Str., Galatsi
Web	<a href="http://www.paragon.gr/new/index_gr.html">http://www.paragon.gr/new/index_gr.html</a>



## Contact

Name	Harry Tsahalis
Role	Head of Research & Development



## Description

PARAGON S.A. (ISO 9001 certified) is a Research & Technology Development SME (micro-SME) active in R&D and Commercial services, est. 1995.

RTD activities range from in-house development projects, to solutions and applications development provision, and participation to RTD consortia as an SME Research partner. PARAGON has participated (to date) to 30 research initiatives from EC FP4 through to H2020 in Aeronautics (including Clean Sky), Transport, ICT, Factories of the Future, Energy & Environment, and Security.

Commercial activities comprise of a range of services, that include scientific and measurement applications and support (experimental, industrial, occupational safety & health), specialized applications development, and commercial representation of major manufacturers of industrial & scientific instrumentation from the EU and USA to markets in Greece and S.E. Europe.

PARAGON is active in dissemination & networking events organization, and is sponsor to the biennial international conferences IC-SCCE ([www.scce.gr](http://www.scce.gr)) and IC-EpsMsO ([www.epmsso.gr](http://www.epmsso.gr)).

## AREAS OF EXPERTISE & APPLICATIONS

Computational - Artificial Intelligence ? Evolutionary Algorithms – Multi-objective Optimization ? Acoustics (incl. beamforming) & Vibration -related applications (measurement - monitoring - analysis - detection - diagnostics - active control - optimization) ? Centralized / De-centralized Condition Monitoring - Diagnostics applications (acoustic/vibration, electrical, electro-mechanical applications) ? Multi-parameter Human Fatigue & Well-being (subjective + objective) modeling - simulation - monitoring - control applications ? Active Noise Control (ANC) ? Active Vibration Control (AVC) ? Active Structural Acoustic Control (ASAC) ? Active Flow Control (AFC) | Active Aerodynamics ? Active/Passive Structural Health Monitoring (SHM) ? Integrated -Simultaneously Optimized- Active Control/Monitoring networks | combined AVC/ASAC + SHM ? Smart Surfaces - Structures - Systems applications ? Multi-objective Optimization for Smart & Sustainable Manufacturing Production Planning – Scheduling ?

Multi-objective Simulations Workflows Optimization (heterogeneous, distributed) ? Multi-objective Optimization for Smart & Rapid Process/Product Development – Configuration – Optimization ? Sensor-Actuator networks - test-benches - testing technical know-how ? Multi-objective Optimization for Sensor - Actuator systems networks ? ICT for Radar - based applications -Harmonic and/or Conventional radar- (processing (raw sensor data) - monitoring - object detection - object tracking - object trajectory prediction).

## EC RESEARCH PARTICIPATIONS

### | AERONAUTICS |

ASCENT - Active Simulator Cockpit Enhancement (Clean Sky 2, Large Passenger Aircraft ITD) ? WENEMOR - Wind Tunnel Tests for the Evaluation of the Installation Effects of Noise Emissions of an Open Rotor Advanced Regional Aircraft (Clean Sky 1, Green Regional Aircraft ITD) ? ACTUATION 2015 - Modular Electro Mechanical Actuators for ACARE 2020 Aircraft and Helicopters (FP7, L2 Collaborative Project, Goodrich Actuation Systems) ? CRESCENDO - Collaborative and Robust Engineering using Simulation Capability Enabling Next Design Optimisation (FP7, L2 Collaborative Project, Airbus) ? MOET - More Open Electrical Technologies (FP6, Integrated Project, Airbus) ? TATEM - Technologies and Techniques for New Maintenance Concepts (FP6, Integrated Project, GE Aviation Systems) ? AVERT - Aerodynamic Validation of Emission Reducing Technologies | Active Flow Control technologies (FP6, STREP, Airbus) ? MESEMA - Magneto-Elastic Energy Systems for Even More Electric Aircraft | Active Vibration Control | Active Structural Acoustic Control | Structural Health Monitoring | Energy Harvesting (FP6, STREP) ? HEACE - Health Effects in Aircraft Cabin Environment | Multi-parameter Passengers / Crew Fatigue – Performance – Well-Being modeling - simulation - monitoring (FP5, GROWTH).

### | FACTORIES of the FUTURE |

PRECOM - Predictive Cognitive Maintenance Decision Support System (H2020, L2 Collaborative Project) ? FOFDATION - The Foundation for the Smart Factory of the Future (FP7, L2 Collaborative Project, Airbus) ? INTEFIX - Intelligent Fixtures for the Manufacturing of Low Rigidity Components (FP7, I4MS, L2 Collaborative Project).

### | ICT / IST-NMP / GROWTH |

IPROD - Integrated Management of Product Heterogeneous Data (FP7, ICT, L1 Collaborative Project) ? SWOP - Semantic Web-based Open Engineering Platform (FP6, IST-NMP, STREP).

### | SECURITY | (Airports - Critical Infrastructure Protection & Civil Security Monitoring)

MIPMaDe - Modelling of Infrastructure Protection - From Materials to Devices (DG Home, Isdefe) ? SENSE - Smart Embedded Network of Sensing Entities (FP6, IST, STREP).

### | ICT for Intelligent Vehicles & Mobility Services |

ADOSE - Reliable Application Specific Detection of Road Users with Vehicle On-board Sensors (FP7, ICT, L1 Collaborative Project, Fiat-CRF).

## Areas of Activity

- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns

- passenger cars
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-MG-1-13-2020: Decarbonising long distance shipping
- LC-MG-1-15-2020: Towards global environmental regulation of supersonic aviation
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- and overall fitness of drivers
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport



# Pelixar S.A. - Advanced Drone Solutions

## SME

Country	Poland
City	Gdynia
Street	Aleja Zwycięstwa 96/98
Web	<a href="https://pelixar.com/">https://pelixar.com/</a>



## Contact

Name	Marcin Swystun
Role	CEO



## Description

The activity of Pelixar joint stock company (Pelixar S.A.) covers the unmanned systems sector, in particular unmanned aircraft solutions. The company produce original components and drones, as well as individual solutions optimized for detailed user requirements. The recipients both domestic and abroad are industry, companies and public institutions.

Company is located in Pomeranian Science and Technology Park in Poland.

The big strength of the company Pelixar S.A are technical and intellectual branch co-operations, especially with scientific institutions.

The main areas for Pelixar's Advanced Drone Systems are:

- search and rescue with drones
- measurement and detection with drones
- protection and surveillance with drones
- technical supervision and inspections with drones

Range of Pelixar S.A. activities:

### 1. Sales of unmanned systems

Systems in Ready to Work (RTW) specifications are ready for operation immediately after delivery. These tools are equipped with the latest components available on the market in the most advanced specification

### 2. Sales of hardware components

Own components and modified advanced market solutions. Each unit is tested by the technical department. We have original components in a unique specification.

### 3. Implementation and cross-system integration

Implementation and integration is recommended when connecting the droned systems directly to the existing technical infrastructure of the contracting authority. We only install proven and safe solutions.

### 4. Conducting R&D projects

Research and development projects are carried out by our research department. We have experienced

staff of scientists and engineers at our disposal, whose R&D projects have been broadly recognized.

The strength of the company is continuous development, research projects and investments in innovation. The company and team members have cooperated or participated in many recognized research and development projects. Pelixar S.A. is a team with much broader competencies than the scope of the company's activities, including among others: Implementation of unmanned systems in many countries around the world. Work on aviation regulations as CAA experts. Support in the creation of search and rescue procedures. Active participation in industry conferences. Practice in test and experimental flights for many manufacturers of drones.

### Areas of Activity

- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers

# Persee

## SME

Country	France
City	Lyon
Street	
Web	<a href="http://pers-ee.com">http://pers-ee.com</a>



## Contact

Name	Laurence Grand Clement
Role	CEO



## Description

Smart digital solutions for hydrogen based mobility and infrastructure for road, waterborne and maritime applications.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations

# Phasya

## SME

Country	Belgium
City	Liège (Seraing)
Street	Rue du Bois Saint-Jean, 29
Web	<a href="http://www.phasya.com">http://www.phasya.com</a>



## Contact

Name	Clémentine François
Role	Chief Scientific Officer



## Description

Phasya offers software solutions for the monitoring of physiological and cognitive states (e.g. drowsiness, stress, cognitive load) to improve safety, well-being and user experience. Phasya's solutions are based on the analysis of data produced by the human body (e.g. eye movements, heart rate) and they have applications in several sectors of activity in transport and industry.

## Areas of Activity

- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers

# PildoLabs

## SME

Country	Spain
City	Barcelona
Street	Marie Curie 8-14, Type a value
Web	<a href="http://www.pildo.com">http://www.pildo.com</a>



## Contact

Name	SANTIAGO SOLEY
Role	CEO



## Description

PildoLabs is an engineering company specialized in delivering top of the edge technology and services within the Aeronautics and Intelligent Transport Systems (ITS) sectors. Company is well-known for its contribution to the introduction of new services provided by EU EGNOS and Galileo systems, mainly within the aviation sector and more recently also within road transport with a proprietary solution for bus on demand. PildoLabs is investing continuously on the Research and Development of new services and products through internal and/or external European funds, principally participating in SESAR, EGNSS Market Uptake and Transport H2020 R&D frameworks. Principal office is located at Barcelona, with a UK subsidiary PildoLabs Wessex Ltd UK CAA approved as Instrument Flight Procedures Design Authority, and another subsidiary PildoLabs Galaica located at Galicia, north-west part of Spain, dedicated to the specific development of tailored solutions within the drone/UAV sector.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-3-6-2020: Towards sustainable urban air mobility

# Pirelli Tyre SpA

## Large Company

Country Italy  
City Milan  
Street

## Contact

Name Guido Riva  
Role R&D Materials Regulations,  
Standards and Sustainability

## Description

Pirelli, a Pure Consumer Tyre Company, has a particular focus on the High Value tyre market and is constantly engaged in the development of innovative products to address the most specific mobility needs of the final Consumer, such as Specialty and Super Specialty tyres.

## Areas of Activity

- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-3-6-2020: Towards sustainable urban air mobility
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles

# PITON R-D and Software House

## SME

Country	Turkey
City	Eskişehir
Street	Eskişehir Osmangazi Üniversitesi Teknopark Kat:2 No:202
Web	<a href="http://piton.com.tr">http://piton.com.tr</a>



## Contact

Name	Mustafa GUNES
Role	General Manager



## Description

PITON R-D and Software House is an R-D company working on new technologies as well as using current software technologies also provides software and consultancy services on Smart City, Intelligent Transportation Systems and Geographical Information Systems.

## Areas of Activity

- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-6-2020: Towards sustainable urban
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- MG-2-11-2020: Network and traffic management for future mobility
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the

air mobility

- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications

wheel?

- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions

## Marketplace Opportunities

### PROJECT COOPERATION

## Intelligent Transportation System for Smart City

Intelligent Transportation System, TCC, Passenger Information System, Plannig and Scheduling



# Piton R&D

## SME

Country	Turkey
City	Eskisehir
Street	Eskisehir Osmangazi University Teknopark Kat:2 No: 202
Web	<a href="http://piton.com.tr">http://piton.com.tr</a>



## Contact

Name	Ersan GURDOGAN
Role	International Projects Coordinator



## Description

PITON has been established in 2006, developing and consulting about geographical information systems, smart city and smart transportation besides performing R&D activities and applying new technologies in business.

## Areas of Activity

- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- MG-2-11-2020: Network and traffic management for future mobility

- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

## Marketplace Opportunities

### PROJECT COOPERATION

#### Urban Transport Optimisation

applying Sustainable Mobility & Smart City technologies in urban mass transit systems

# PNO Consultants

## Large Company

Country Belgium  
City Brussels  
Street

## Contact

Name Niels Tudor-Vinther  
Role Technology Transfer & Innovation  
Consultant



## Description

Every innovation starts with one good idea and a lot of passion. Those are traits we recognise – because we started out the same way. From our start-up roots, we have grown to become market leader in innovation and funding services in Europe, with offices in 7 European countries. Our company is connected to a global network of national and regional creative partners: multinationals, start-ups, RTOs and universities, sector and public organisations. From this unique network, we work on fostering connections and stimulating, realising and financing innovation in an ever faster and more complex innovation landscape – changing the world for the better.

## Areas of Activity

- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-MG-1-13-2020: Decarbonising long distance shipping

# PNO Innovation, S.L.

## Consulting

Country	Spain
City	Barcelona
Street	C/ París 45-47
Web	<a href="https://www.pnoconsultants.com/es/">https://www.pnoconsultants.com/es/</a>



## Contact

Name	Jeanett Bolther
Role	Senior Innovation Manager



## Description

PNO focuses on supporting clients in the Transport and Mobility sector in defining their innovation ambitions and in developing and financing innovation projects aimed to achieve these ambitions. PNO provides support services for developing / aligning innovation processes, technology transfer and funding for research, development and innovation through programmes such as Horizon 2020, Interreg and the Connecting Europe Facility. PNO assists small, medium sized and multinational industries, such as Shell, DHL, P&G, Port of Rotterdam, TomTom, cities such as Madrid, Amsterdam, and Maastricht, universities such as University of Zaragoza, TU/Eindhoven and TUDelft and RTO's such as SINTEF, and Tecnalia in achieving their innovation ambitions.

PNO is Europe's largest independent public funding and innovation consultancy with 30 years of hands-on expertise with more than 500 funding programmes in most EU countries, annually raising approximately 1 Billion Euro for its clients. Created in 1985, PNO is a high-growth knowledge-intensive company, supporting over 2000 clients throughout Europe, annually developing over 250 European consortia. PNO has presence in 7 European countries and employs around 400 people.

## Areas of Activity

- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- LC-GV-09-2020: Setting up a common European research and innovation
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries
- MG-3-8-2020: 'First of a Kind' solutions for

- strategy for the future of road transport
- LC-BAT-12-2020: Novel methodologies for autonomous discovery of advanced battery chemistries
- LC-MG-1-13-2020: Decarbonising long distance shipping
- LC-MG-1-15-2020: Towards global environmental regulation of supersonic aviation
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-3-6-2020: Towards sustainable urban air mobility
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-4-7-2020: Digitalisation of the transport system: data sharing

# Pole EMC2

## Association/Agency

Country	France
City	Bouguenais
Street	Chemin du Chaffault
Web	<a href="http://www.pole-emc2.com">http://www.pole-emc2.com</a>



## Contact

Name	Pauline CAUMONT
Role	EU Affairs Manager



## Description

EMC2 is the French industrial cluster dedicated to advanced manufacturing technologies, promotes investment in innovation that will ensure the future of a strong French manufacturing sector, crucial component of an economic prosperity.

In Brussels, I work for 10 EMC2 members: Airbus Nantes, Chantiers de l'Atlantique (French shipyards), EDF R&D, Europe Technologies, IRT Jules Verne, Meca, Naval Group, Socomore, Tronico and Nantes University. It gathers French industrial champions, mid-caps, SMEs as well as Universities and Research Centres from Regions Pays de la Loire and Brittany (FR).

## Areas of Activity

- LC-MG-1-13-2020: Decarbonising long distance shipping
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-BAT-12-2020: Novel methodologies for autonomous discovery of advanced battery chemistries
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV

## Marketplace Opportunities

## PROJECT COOPERATION

### Meet with French Manufacturing Cluster

EMC2 is the French Advanced Manufacturing cluster, gathering enterprises such as Airbus, Chantiers de l'Atlantique EDF and many other mid caps, SMEs and research Centers. I can help put you in contact with our ecosystem and find the good partner aligned with you project's ideas.

# Poliedra - Politecnico di Milano

## R&D Institution

Country Italy  
City Milano  
Street  
Web <http://www.poliedra.polimi.it>



## Contact

Name Alessandro Luè



## Description

Poliedra is a consortium of Politecnico di Milano and our core themes are environmental sustainability, mobility, participation, decision support systems, smart cities and communities.

## Areas of Activity

- MG-3-6-2020: Towards sustainable urban air mobility
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars



# Power Electronics, Machines and Control Group

## R&D Institution

Country	United Kingdom
City	Nottingham
Street	University Park
Web	<a href="https://www.nottingham.ac.uk/research/groups/power-electronics-machines-and-control-group/index.aspx">https://www.nottingham.ac.uk/research/groups/power-electronics-machines-and-control-group/index.aspx</a>



University of  
**Nottingham**  
UK | CHINA | MALAYSIA

## Contact

Name	Alessandro Galassini
Role	Research Fellow



## Description

The Power Electronics, Machines and Control (PEMC) Research Group is one of the largest and most recognised groups in its field worldwide. It undertakes research in Power Electronics and Electrical Machines/Drives that are fundamental to our technological advancement. These technologies underpin the electrification of transport and all renewable energy strategies and are vital for a sustainable future.

## Areas of Activity

- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use

## Marketplace Opportunities

### PROJECT COOPERATION

#### Smart Modular Architecture for Reliable Transportation (S.M.A.R.T.) v2

The SMART v1 envisioned a novel powertrain architecture enabled by the Multi-Three-Phase Drive (MTPD) topology to enhance the reliability and the fault tolerance of future transportation systems.

The SMART v1 project was six months feasibility study funded by the automotive challenge network from the centre for power electronics, which was founded in 2013 by the Engineering and Physical Sciences Research Council (EPSRC), the main UK agency for funding research in engineering and the physical sciences.

The SMART v1 project sought to revolutionise drivetrain design of fully electric vehicles and prioritised reliability and fault tolerance. It sought to deliver a system focused on safety, yet also took advantage of modularity and flexibility in aspects of power electronics, control and machine design. At the end of the project in March 2019, the main targets were achieved and the novel powertrain architecture was successfully simulated in a Matlab/Simulink/PLECS environment.

The aim of the SMART v2 is to build a technology demonstrator with a clear route to market in mind.

# Pursang motorcycles, s.l

## Other

Country	Spain
City	Barcelona
Street	escuelas pias 93 4-2a
Web	<a href="http://www.pursangmotorcycles.com">http://www.pursangmotorcycles.com</a>



## Contact

Name	jim palau-ribes
Role	CEO



## Description

We are an start-up since June 2018, with the mission of reborning the Pursang brand, a worldwide famous model from the sixties and seventies. We design and manufacture Electric Motorcycles for passionate riders. It´s not just a mobility thing, we love motorcycles and we want to be the first electric motorcycle for motorcycle lovers. We are building reliable bikes that´s why we are working to use a "main player" powertrain that we are going to make it public after summer.

We´ve presented two prototypes at the Eicma motorshow on november 2018 and they were very succesful. Now we are working on industrialisation and preparing everything for production. We are now starting a funding round and we´ll combine it with an crowdcube campaign.

<https://www.youtube.com/watch?v=Td3fWkG29mQ>

## Areas of Activity

- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use

# rcm2 limited

## SME

Country	United Kingdom
City	London
Street	LU 3.15 The light Bulb, 1 Filament Walk, Wandsworth
Web	<a href="http://rcm2jv.com">http://rcm2jv.com</a>



## Contact

Name	Saeed Fararooy
Role	Director



## Description

Systems Engineering and System Integration Solutions  
Safety and Reliability Engineering and Management  
IOT/Cloud Solutions  
Remote Condition Monitoring  
Predictive Maintenance

## Areas of Activity

- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners

and policy makers

# RINA Consulting S.p.A.

## Large Company

Country	Italy
City	Genova
Street	Via Alberto Liri, 27 - 16145 GENOVA - ITALY
Web	<a href="http://www.rina.org">http://www.rina.org</a>



RINA. Excellence Behind Excellence.

## Contact

Name	Alessandra Monero
Role	Head of Corporate Research & Development Opportunity Management

## Description

Global corporation that provides services across the Energy, Marine, Certification, Transport & Infrastructure and Industry sectors.

Within the Transport & Infrastructure sector, RINA provides dedicated, bespoke services for the infrastructure, transport and logistics markets including ports and marine, railways, roads and highways, buildings (office, shopping centre, hospital, residential, retail logistics and historical buildings), landscape, dams and hydraulic works, plant building and environmental engineering works.

## Areas of Activity

- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance

# Roughan & O'Donovan Innovative Solutions

## SME

Country	Ireland
City	Dublin 18
Street	Arena House, Arena Road
Web	<a href="http://www.rod.ie/">http://www.rod.ie/</a>



## Contact

Name	Caitriona de Paor
Role	Research Manager



## Description

Roughan & O'Donovan Innovative Solutions (ROD-IS) provides clients with access to cutting-edge research skills, scientific expertise and technical resources. Roughan & O'Donovan's research and development company, ROD-IS, explores, analyses and solves the infrastructure challenges facing today's infrastructure owners and managers.

We draw on the expertise of our network of universities, research institutes and industry partners to accelerate the development of new technologies and solutions for clients.

## Areas of Activity

- MG-2-11-2020: Network and traffic management for future mobility
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance

# Roughan & O'Donovan Innovative Solutions

## SME

Country	Ireland
City	Dublin
Street	
Web	<a href="https://www.rod.ie/">https://www.rod.ie/</a>



## Contact

Name	Robert Corbally
Role	Research Engineer



## Description

Roughan & O'Donovan Innovative Solutions (ROD-IS) provides clients with access to cutting-edge research skills, scientific expertise and technical resources. Roughan & O'Donovan's research and development company, ROD-IS, explores, analyses and solves the infrastructure challenges facing today's infrastructure owners and managers.

We draw on the expertise of our network of universities, research institutes and industry partners to accelerate the development of new technologies and solutions for clients.

## Areas of Activity

- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-2-11-2020: Network and traffic management for future mobility
- MG-4-7-2020: Digitalisation of the transport system: data sharing



# S2E2 cluster

## Association/Agency

Country	France
City	Tours
Street	
Web	<a href="http://www.s2e2.fr/en/home">http://www.s2e2.fr/en/home</a>



## Contact

Name	Graziella Mary
Role	European Project Developer



## Description

The S2E2 cluster aims to favor competitiveness in the West of France regions - Centre-Val de Loire, Nouvelle-Aquitaine and Pays de la Loire. The cluster fosters innovation and stimulates collaboration between companies and laboratories in the form of R&D projects, whose spin-offs are growth drivers for these companies on the market.

S2E2 gathers over a hundred members: companies, SMEs and groups, research and training organizations. All of them invested in the domains of intelligent electricity technologies.

## Areas of Activity

- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-BAT-12-2020: Novel methodologies for autonomous discovery of advanced battery chemistries
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use

# Sabanci University

## University

Country	Turkey
City	Istanbul
Street	Sabancı Üniversitesi Orta Mah. Üniversite Cad. No:27 Orhanlı/Tuzla
Web	<a href="https://www.sabanciuniv.edu/">https://www.sabanciuniv.edu/</a>



## Contact

Name	Aylin Karci
Role	Enterprise Europe Network Istanbul



## Description

Sabancı University (SU) currently has 164 full-time faculty members and 779 graduate students. The University is ranked the 13th place worldwide and 1st place in Turkey on the Times Higher Education "100 Under 50" Rankings and has been ranked 21st on the THE Asian University Rankings.

Sabancı University Nanotechnology Research and Application Center (SUNUM): With a contributing team of 40 faculty members, about 40 post-doctoral researchers, and hundreds of PhD students, the Center is engaged in highly effective multidisciplinary research programs, bringing together researchers with expertise spanning advanced materials, basic sciences, and nano-engineering, in order to address solutions in electronics, photonics, healthcare, construction, the environment, agriculture and packaging industries. Within the scope of this collaborative research environment, a major goal is to expedite the development of novel technologies and advanced products to address the needs of local and global technology leaders and take an active part in tackling societal challenges.

Main Know-how:

Carbon Nanomaterials (Carbon fibers, carbon nanotubes, graphene)

Boron Based Nanomaterials

Nanocomposites (CF reinforced nanocomposites, CNT reinforced nanocomposites, self-healing nanocomposites, structural health monitoring of composites)

Fuel Cells (Graphene-based fuel cell electrodes) and Li-ion Batterie

Coating Technologies (Anti-microbial coatings, Grapnel (Sol-Gel Coatings))

Nanostructuring and Nanoanalysis

Already involved in an European project : SU has been the most successful university in Turkey in terms of the number of EU Framework Programmes projects per faculty member, taking part in 20 FP6 projects (Total Budget: €3.584.848); 53 FP7 projects; 37 Marie Curie Grants (18 IRG, 10 CIG, 2 ERG, 1 Excellence Award, 3 ITN, 1 IOF, 2 IRSES), 12 Cooperation Projects, and 4 Capacities Projects (Total Budget: €2.196.753), as well as 5 Jean Monnet European Modules, 3 Jean Monnet Chairs ad personam and 1 Jean Monnet Centre of Excellence. These EC grants constitute about 15% of the SU's total budget for research grants.

## Areas of Activity

- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-2-11-2020: Network and traffic management for future mobility
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- LC-MG-1-15-2020: Towards global environmental regulation of supersonic aviation
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles

## Marketplace Opportunities

### PROJECT COOPERATION

## Cooperations in Transport 2020 Topics

Enterprise Europe Network Istanbul

## Large Company

Country	Belgium
City	brussels
Street	chaussée de haecht 1470
Web	<a href="http://www.sabca.be">http://www.sabca.be</a>



## Contact

Name	Didier DESCAMPS
Role	head of technology



## Description

SABCA is divided in four business units. Integrated aerostructures mainly deals with civil aircraft and launchers main structures. Actuation System deals with primary flight control actuation systems and TVC. MRO with maintenance, repair and upgrade of defense aircrafts. Unmanned aerial systems and UAS with drones development and drones-as-a-service.

## Areas of Activity

- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling

# Sächsische Energieagentur - SAENA GmbH

## Consulting

Country        Germany  
City            Dresden  
Street

## Contact

Name            Christian Andrä  
Role             Project Manager

## Description

Sächsische Energieagentur - SAENA GmbH is operating as an independent competence centre for mobility, renewable energies and energy efficiency. With its partners, the Free State of Saxony and Sächsische Aufbaubank - Förderbank -, SAENA is an independent consulting company and an ideal driver for businesses, research institutions, municipalities and private individuals in Saxony.

## Areas of Activity

- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

# Sächsische Energieagentur - SAENA GmbH

## Consulting

Country Germany  
City Dresden  
Street

## Contact

Name Marcel Kolling  
Role Project Manager

## Description

Sächsische Energieagentur - SAENA GmbH is operating as an independent competence centre for mobility, renewable energies and energy efficiency. With its partners, the Free State of Saxony and Sächsische Aufbaubank - Förderbank -, SAENA is an independent consulting company and an ideal driver for businesses, research institutions, municipalities and private individuals in Saxony.

## Areas of Activity

- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

## Marketplace Opportunities

### PROJECT COOPERATION

#### Connected Cities Dresden-Prague

The project "Connected Cities Dresden-Prague" aims to develop and test highly automated driving within different large-scale, cross-border use cases. Considering technical, organisational and operational issues, different cross-border automated and connected driving functions will be demonstrated. Furthermore, the evaluation of functional safety, security, user acceptance and behavior and effects on the transport system are of great interest.

# SAFRAN SA \ SAFRAN Tech

## Large Company

Country	France
City	MAGNY-les-HAMEAUX
Street	
Web	<a href="https://www.safran-group.com/">https://www.safran-group.com/</a>



## Contact

Name	Ioannis STASINOPOULOS
Role	SAFRAN-Representative for EU projects



## Description

SAFRAN Tech is SAFRAN's corporate R&T center.

Safran is an international high-technology group, operating in the aviation (propulsion, equipment and interiors), defense and space markets. Safran has a global presence, with more than 92,000 employees and sales of 21 billion euros in 2018. Working alone or in partnership, Safran holds world or European leadership positions in its core markets. Safran undertakes Research & Development programs to meet fast-changing market requirements, with total R&D expenditures of around 1.5 billion euros in 2018.

## Areas of Activity

- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-3-6-2020: Towards sustainable urban air mobility

## Marketplace Opportunities

### PROJECT COOPERATION

### Data and More electric aircraft

>>> NO consulting / project management offers, please!

>>> SMEs are most welcome!

required expertise in data over power communication, electronic interfaces, sensor telemetry, smart connected sensors, ASICs, applications in harsh environments and high-temperature constraints, safe and secure data transmission, reduction of sensor cabling...

all types of entities welcome (academic, SMEs, large companies)

please contact [ioannis.stasinopoulos@safrangroup.com](mailto:ioannis.stasinopoulos@safrangroup.com)

#### PROJECT COOPERATION

### Sensors & smart structures

refer to MG-3-5-2020 call text

all types of entities welcome and especially SMEs  
NO consulting / project management offers, please!

please contact [ioannis.stasinopoulos@safrangroup.com](mailto:ioannis.stasinopoulos@safrangroup.com)



# SICE

## Large Company

Country	Spain
City	Madrid
Street	Alcobendas - Sepulveda 6
Web	<a href="http://www.sice.com">http://www.sice.com</a>



## Contact

Name	Enrique Gomez
Role	R&D Project Manager



## Description

Sociedad Ibérica de Construcciones Eléctricas, S.A. (SICE) is a multinational technology integration company operating in the fields of traffic and transport, the environment and energy, telecommunications and all types of industrial processes.

SICE's activity mainly focuses on providing added value services through the integration of a range of in-house and third party technologies and systems, always with the aim of offering the best solution tailored to each customer, and of providing:

- Technological capacity
- Experience
- Personalised solutions
- Systems integration
- Open systems

SICE has the capacity to work on all phases of a project, from design to operation. To complement its industrial activity, the company develops IT applications and systems for the management, operation and control of equipment and installations implemented by SICE. These IT applications and systems are developed based on the needs of each customer, using the most modern technologies and pieces of equipment established as state of the art at any given time.

Due to both this and the professionalism of its human resources, SICE has survived until the present day with a consolidated group of solutions and systems and a wide range of services. Its business areas are:

1. Intelligent Traffic Systems
2. Intelligent Transport Systems
3. Environment and Energy Efficiency
4. Smart Cities
5. Telecommunications Infrastructure
6. Security Systems
7. Process Control
8. Other Infrastructures

In the last years SICE has participated in many research projects (H2020, FP7, national and regional funding).

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

## Marketplace Opportunities

### PROJECT COOPERATION

#### Smart infrastructure technologies for the citizens

The R&D Branch is actively carrying out the following research lines:

##### 1. Digital infrastructure development and improvement

- Fully Adaptive Urban Traffic Management Control System (UTMC) and Traffic Lights Controllers for providing new services to Connected Autonomous Vehicles (CAV)
- MFU Traffic Light Controller which includes embedded systems capable of providing I2V (Vehicle) -V2I (Infrastructure) / I2P (Pedestrian)-P2I (Infrastructure) cooperative services
- I2V services to support on-board CAV navigation or priority services for "sustainable vehicles" (public transport, bikes, EV, etc.)
- CAV such as infrastructure sensors to improve traffic algorithms at control centres
- Design and development of new algorithms for the centralized urban traffic systems, and into their traffic lights controller, considering CAV and mixed traffic

##### 2. Multi-technology identification of passengers for public transport routes optimization and service efficiency

- Detailed knowledge passengers and services: passenger monitoring (O/D matrix, waiting time,...) to avoid unnecessary consumes and improving user services
- Routes and frequency innovative algorithms to support public transport management
- Communication and Information Technology platform (ICT) to improve public transport operation efficiency and service quality
- Multiplanner

##### 3. Smart City Platform

- Comprehensive management platform for all smart city systems, based on Quality of Service (QoS) indicators which are easy to measure and support decision making
- Active communication with the citizen, resulting in improved coordination and efficiency when providing services

##### 4. Next generation batteries

- Sensors integration in batteries
- Hybridisation

# SIVECO Romania

## Large Company

Country	Romania
City	Bucharest
Street	
Web	<a href="http://www.siveco.ro">http://www.siveco.ro</a>



## Contact

Name	Monica Florea
Role	Head of Unit European Projects



## Description

SIVECO Romania SA ([www.siveco.ro](http://www.siveco.ro)) is a private shareholder company, established in 1992, located in Bucharest, Romania. During its existence, SIVECO has become the largest Romanian software company and provider of software solutions like Security, eLearning, eHealth, eAgriculture, eCustoms ERM L&M, eGovernment solutions and turnkey projects acting both on the internal and international markets, and one of the most successful software integrators from Central and Eastern Europe.

Moreover, SIVECO has gained an outstanding reputation in international markets by developing successful projects together with several international companies. SIVECO has significant experience in R&D projects, having been involved as technological partner & integrator, as well as coordinator in many European research projects (over 28 H2020 projects). SIVECO provides services on the whole life cycle of projects: analysis of users' requirements, design, development, testing, implementation, end-users training and technical assistance, and system maintenance.

Throughout the time, the company's activity and the solutions developed have been awarded with over 200 national and international prizes.

## Areas of Activity

- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-MG-1-12-2020: Cities as climate-

- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
  - MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
  - MG-BG-03-2020: Under water noise mitigation and environmental impact
  - DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
  - MG-4-7-2020: Digitalisation of the transport system: data sharing
- resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
  - DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
  - LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
  - MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance

# SmartNodes NV

## SME

Country	Belgium
City	Liège
Street	Quai Banning 6
Web	<a href="http://www.smartnodes.be">http://www.smartnodes.be</a>



**Smartnodes**  
SMART CITIES THROUGH SMART LIGHTING

## Contact

Name	Jean BEKA
Role	CEO



## Description

SmartNodes is a company specializing in the development and the sales of embedded devices (local distributed intelligence, sensors, mesh network, IoT, etc.) serving various applications (dynamic outdoor lighting, parking, noise, etc.) and covering mobility, security and environmental solutions linked to the Smart Cities context.

SmartNodes distributes its products to the public authorities but also to the private sector.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

# SSP Consult, Beratende Ingenieure GmbH

## SME

Country	Germany
City	Stuttgart
Street	Schockenriedstr. 8c
Web	<a href="http://www.ssp-consult.de">http://www.ssp-consult.de</a>



## Contact

Name	Lothar Neumann
Role	Managing Director



## Description

SSP Consult was established in 1976 and employs more than 50 mainly graduated engineers and researchers, who work in the fields of traffic management, transportation planning, traffic and transport simulation, traffic engineering, traffic control and ITS. As one of the biggest independent companies in the field of transportation planning and traffic engineering in Germany, SSP's activities extend to all transport modes and levels. For a large number of projects SSP Consult has been – apart from the technical work – responsible for the project management and the project coordination as prime contractor or as leader of a consortium built by different types of organizations and different working areas. The company has also strong experience in the organizational scope of work and in the framework of complex projects with a large number of participating institutions.

SSP Consult has broad experience in European research and development in the transport sector for more than 35 years, as well as in overall transportation planning for communities, regions and nationwide. Its expertise covers analysis and prognoses for transport activities, traffic simulation, and mobility behaviour assessment, investigation of transport investments, traffic safety research, and regional impacts of traffic infrastructure projects, environmental impact studies, telematics and evaluation. SSP Consult was involved in a number of projects on urban transport and mobility, e.g. QUARTET+, MOBINET and MOBILIST (mobility in agglomerations), ALERT (leisure-related mobility activities), and other mobility management projects. SSP Consult coordinated the European IST Project ISCOM and was involved in the CIVITAS II CARAVEL Project on clean urban transport (site coordinator and WP Leader for Stuttgart test field development, site evaluation, technical work packages), in the RTD project DEMOCRITOS (developing the mobility credits integrated platform enabling travellers to improve urban transport) as well as in euroregional SERTI/MIP and EASYWAY programme. SSP Consult acted as project manager (technical coordinator) in the CIVITAS Plus II project 2MOVE2 and was in charge of local and overall project evaluation. Currently the company is involved in the Interreg Alpine Space project AlpinnoCT dealing with innovations for combined freight transport crossing the Alps (project management and coordination, steering of freight-related work).

The company has broad experience in traffic and transport simulation - for passenger as well as for freight transport - and its impacts (travel time, emissions, fuel consumption, etc.) on local, regional and national level. Expertise covers analyses and prognoses for transport activities, investigation of transport investments, traffic safety research, regional impacts of traffic infrastructure projects, environmental impact studies, ITS and assessment.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system

## Marketplace Opportunities

### PROJECT COOPERATION

#### LC-MG-1-12-2020 Low-carbon and sustainable transport

SSP Consult has gained solid expertise in a number of projects on urban transport and mobility, e.g. QUARTET+, MOBINET and MOBILIST (mobility in agglomerations), ALERT (leisure-related mobility activities), and other mobility management projects. SSP Consult coordinated the European IST Project ISCOM and was involved in the CIVITAS II CARAVEL Project on clean urban transport (site coordinator and WP Leader for Stuttgart test field development, site evaluation, technical work packages), in the RTD project DEMOCRITOS (developing the mobility credits integrated platform enabling travellers to improve urban transport) as well as in euroregional SERTI/MIP and EASYWAY programme. The company acted as project manager (technical coordinator) in the CIVITAS Plus II project 2MOVE2 and was in charge of local and overall project evaluation.

### PROJECT COOPERATION

#### Safe and resilient transport system - MG-2-10-2020 Enhancing coordination between Member States actions in the area of infrastructure research

SSP Consult has expertise in the fields of traffic management, transportation planning, traffic and transport simulation, traffic engineering, traffic control and ITS. SSP Consult is one of the biggest independent companies in the field of transportation planning and traffic engineering in Germany - activities extend to all transport modes and levels.

### PROJECT COOPERATION

#### MG 2-13-2020 Coordination and support for an integrated freight transport and logistics system

SSP Consult has expertise in the fields of economic and freight transport, logistics and is currently involved in the Interreg Alpine Space project AlplInnoCT dealing with innovations for combined freight transport crossing the Alps (project management and coordination, steering of freight-related work). The company has broad experience in traffic and transport simulation - for passenger as well as for freight transport - and its impacts (travel time, emissions, fuel consumption, etc.) on local, regional and national level. Expertise covers analyses and prognoses for transport activities, investigation of transport investments, traffic safety research, regional impacts of traffic infrastructure projects, environmental impact studies, ITS and assessment

# STAM

## SME

Country	Italy
City	Genoa
Street	
Web	<a href="http://www.stamtech.com/">http://www.stamtech.com/</a>



## Contact

Name	Fabio Magrassi
Role	Project Manager



## Description

STAM is an engineering firm specialized in the high-tech sector.

We provide turnkey solutions in the following areas: Space & Defence, Security & Transport, Energy & Environment, and Industry & Automation.

Since the company establishment in 1997, we have been designing and developing innovative mechanisms and mechatronic devices. The main services provided were related to the field of mechanical engineering, performing all stages of the product design cycle: conception, tools and subsystem design and specification, definition of production systems and cycles.

Since 2010 we have broaden our expertise portfolio, applying our expertise in new fields, such as construction and transports, and building new skills in ICT, where we develop solutions and software tools in order to support activities within Industry 4.0.

The enthusiasm and the experience of the personnel is our main asset. Thanks to these qualities and to an ideal mix between various areas of expertise, Stam has achieved outstanding results, such as: a number of patents, a testing laboratory for special machinery, and the successful completion of over 200 projects.

## Areas of Activity

- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-MG-1-12-2020: Cities as climate-



- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
  - LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
  - LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
  - MG-BG-03-2020: Under water noise mitigation and environmental impact
- resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
  - MG-2-11-2020: Network and traffic management for future mobility
  - MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
  - MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling

# STIB-MIVB

## Other

Country	Belgium
City	Brussels
Street	
Web	<a href="http://www.stib.be">http://www.stib.be</a>

## Contact

Name	THIBAUT JONCKHEERE
Role	Corporate Innovation Expert

## Description

Public Transport Operator of the Brussels Capital Region .

## Areas of Activity

- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-4-7-2020: Digitalisation of the transport system: data sharing

# Synthesites

## SME

Country	Belgium
City	UCCLE
Street	AVENUE DU LYCEE FRANCAIS 5B
Web	<a href="http://www.synthesites.com">http://www.synthesites.com</a>



## Contact

Name	NIKOS PANTELELIS
Role	Director



## Description

Synthesites is world leader in intelligent process monitoring and control systems for advanced composites manufacturing in aerospace, automotive and wind energy. We are developing and manufacturing intelligent process monitoring solutions both for the development and the production of advanced composites. Synthesites has a network of sister companies in the UK and Belgium aiming to provide solutions and support at leading manufacturing companies and research organisations in the most advanced manufacturing markets. Synthesites possesses a unique technology that can be used from basic research to the most automate productions processes.

Synthesites provides turnkey solutions for complete resin monitoring for advanced composites manufacturing processes for various usages such as cycle reduction, online quality control and productions automation solutions. Synthesites' technology is based on measuring the electrical conductivity and temperature of the resin and translating them to valuable resin properties such as viscosity, Tg and degree of cure. We are designing, developing and manufacturing the complete system from the software to the measurement units while we are providing a large variety of specialised sensors. Furthermore, we provide the necessary technical support and maintenance.

We are currently involved in 2 H2020 projects and we have completed another two. We are involved in several bi-lateral R&D and industrial projects across Europe

## Areas of Activity

- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications

# TCDD

## Authority/Government

Country	Turkey
City	ankara
Street	
Web	<a href="http://www.tcdd.gov.tr">http://www.tcdd.gov.tr</a>

## Contact

Name	erbil bilgin
Role	Mechanical Engineer



## Description

Governmental non profit company , Turkish state Railways

## Areas of Activity

- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-BAT-12-2020: Novel methodologies for autonomous discovery of advanced battery chemistries
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-3-5-2020: Next generation

- testing innovative solutions
  - MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
  - MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
  - DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
  - MG-4-7-2020: Digitalisation of the transport system: data sharing

## Authority/Government

Country	Turkey
City	ankara
Street	
Web	<a href="http://www.tcdd.gov.tr">http://www.tcdd.gov.tr</a>

## Contact

Name	cetin tekin
Role	manager

## Description

turkish state railways, authorirty for infrastructure

## Areas of Activity

- MG-2-11-2020: Network and traffic management for future mobility
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-BAT-12-2020: Novel methodologies for

autonomous discovery of advanced  
battery chemistries

- LC-BAT-13-2020: Sensing functionalities  
for smart battery cell chemistries

# Technological University Dublin

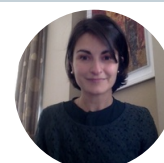
## University

Country	Ireland
City	Dublin
Street	
Web	<a href="https://tudublin.ie">https://tudublin.ie</a>



## Contact

Name	Maria Chiara Leva
Role	Senior Researcher Human factors and risk assessment



## Description

Technological University Dublin (TUDublin) is a first Technological University in the Republic of Ireland. Since January 1st 2019 TU Dublin was formed by merging three Dublin based Institutes of Technology (DIT, ITB and ITT). This move has made TU Dublin one of the Ireland's largest and most innovative higher education institutions. TU Dublin offers an extensive range of undergraduate programmes at Bachelor Degree levels and postgraduate programmes at Taught Masters, Research Masters and Research PhD Degree levels. With more than 22,000 students enrolled on full and part-time programmes and over 1,500 international students TU Dublin is one of Ireland's largest and most innovative institutes of higher education. TU Dublin provides educational opportunities that are practice-based and research-informed. TU Dublin undertakes use-inspired, goal-oriented research which is globally competitive, nationally relevant, and leads to commercial or social benefit. Furthermore, its excellent industry engagement is reflected in successful technology transfer, enterprise creation and a strong applied research base. Since 2000 TU Dublin (former DIT organisation) knowledge transfer office, Hothouse, has helped over 200 entrepreneurs launch companies that have attracted over €100 million in investment and created over 1000 smart economy jobs in the Dublin region. Its rate of exploitation of research outputs outperforms (by up to 9 fold) the commercialisation activity levels in other European universities. TU Dublin's research is clustered into two research Institutes, one of which is the Environmental Sustainability & Health Sciences Institute (ESHI) (<http://www.dit.ie/eshi/>) and the Focas Research Institute (<http://www.focas.dit.ie/>). TUDublin has lead and participated in number of H2020 research projects such as: ARC-HPV, RealSMS and GETM3.

## Areas of Activity

- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- DT-ART-05-2020: Efficient and safe



and policy makers

- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
  - LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
  - MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- connected and automated heavy-duty vehicles in real logistics operations
  - MG-2-11-2020: Network and traffic management for future mobility
  - MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements

# Technology University Dublin

## University

Country	Ireland
City	Dublin
Street	Grangegorman Lower, Arran Quay, Dublin, 7



## Contact

Name	Maria Chiara Leva
Role	Senrio Research Human Factors expert



## Description

TU Dublin [www.tu4dublin.ie](http://www.tu4dublin.ie) Technological University Dublin is the first Technological University in the Republic of Ireland. Since January 1st 2019. TU Dublin was formed by merging three Dublin based Institutes of Technology (DIT, ITB and ITT) and is now the largest higher education institution in Ireland with almost 28,000 students and over 3,000 staff.. The TU Dublin Team is affiliated with the Environmental Sustainability and Health Institute (ESHI), the School of Management, the School of Mathematical Sciences and School of Civil & Structural Engineering at TU Dublin (with a link into the multidisciplinary MSc in Transport and Mobility). This unique multidisciplinary capacity is used to integrate scientific and technical expertise with policy and regulatory influencing capability.

## Areas of Activity

- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?

# Tekirdağ Namık Kemal University

## University

Country	Turkey
City	Tekirdağ
Street	Tekirdag Namık Kemal University, Faculty of Agriculture, Department of Soil Science and Plant Nutrition, Tekirdag/Turkey
Web	<a href="http://www.nku.edu.tr">http://www.nku.edu.tr</a>



## Contact

Name	Korkmaz BELLITURK
Role	Assoc. Prof. Dr.



## Description

It is a state university which has specialized and distinguished academicians. It is a university open to cooperation and partnership proposals for international projects. Tekirdag Namık Kemal University has been rapidly growing in an advancing and changing world with the aims of building a future in a self-generating manner, managing knowledge via scientific research, and raising individuals for the community. Since its foundation in 2006, the university has been rapidly reaching its goal of becoming one of the leading institutions with the dedication of its administrative and academic staff.

## Areas of Activity

- LC-MG-1-15-2020: Towards global environmental regulation of supersonic aviation
- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions

## Marketplace Opportunities

### PROJECT COOPERATION

### Consultancy

Dear participants, I am ready for the contact and meet with you about; Tekirdağ Namık Kemal University and project partnership.

## PROJECT COOPERATION

Vermicompost, vermitechnology, vermiculture, compost technologies, biogas fertilizer, soil remediation, organic farming, sustainable agriculture, etc.

I am a soil scientist in Tekirdag Namik Kemal University and also I work as a consultant on waste management issues for the companies. Two of my other expertises are compost-vermicompost technologies and organic farming. Vermicompost (it is called worm manure), biogas fertilizer to work, to do with the project I want to talk to those who want to. I'm open to international project proposals. I'm open to collaborating with you (company, university and etc.) about these subjects: Waste management, compost and vermicompost production and marketing, smart compost technologies, organic fertilizers, organomineral fertilizers, agricultural soil improvement, and fertilizer management etc.

If you want to achieve international success, please do not hesitate to contact me.

On the other hand, I am an academic consultant to B-OXY, one of the largest agricultural companies in Belgium. If you want to do projects between B-OXY, public official institutions (such as municipalities) and universities, please visit the company's website. Web page: <http://b-oxy.com/>

# TEKSAN

## Large Company

Country	Turkey
City	Sancaktepe
Street	Yenidogan Mah. Edebali Cad. No:12
Web	<a href="http://www.teksan.com">http://www.teksan.com</a>



## Contact

Name	Ihsan Ozkan
Role	Product Manager



## Description

Teksan Generator, a leading engineering and technology company established in 1994, manufactures and installs uninterrupted power solutions that can operate even under the most challenging conditions.

With cutting edge technologies and value-added options such as super silent canopies, anti-theft, lightning protection, high capacity fuel tanks, Hybrid Systems Teksan provides best solutions exceeding your expectations.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage

# TOFAS (FCA - KOC HOLDING JW)

## Large Company

Country	Turkey
City	BURSA
Street	
Web	<a href="http://www.tofas.com.tr">http://www.tofas.com.tr</a>



## Contact

Name	Kadir Ceran
Role	R&D Manager - LEAR



## Description

Turkey's only automotive manufacturer that produces both passenger cars and light commercial vehicles.

Founded in 1968, Tofaş is the only company in Turkey that manufactures both passenger cars and light commercial vehicles.

Tofaş is a Koç Holding and Fiat Chrysler Automobiles (FCA) partnership in which each controls an equal stake. With 24.3% of its capital publicly-traded, Tofaş's shares are included in both the Bursa İstanbul BIST 30 and the BIST 100 indexes as well as in that exchange's Corporate Governance Index and Sustainability indexes.

Tofaş continually invests in know-how expansion and advanced technology in order to develop value-added systems and innovative products.

Tofaş R&D's vision is to create and develop exciting vehicles and new technologies that fully satisfy growing customers' needs in every part of the world. Tofaş R&D, thanks to its team know-how, contributes and participate actively to the FCA product development network

## Areas of Activity

- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- MG-2-11-2020: Network and traffic management for future mobility
- MG-4-8-2020: Advanced research

approaches towards demonstrating and testing innovative solutions

- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles

methods and tools in support of transport/mobility researchers, planners and policy makers

- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications

# Tofaş FCA

## Large Company

Country	Turkey
City	Bursa
Street	istanbul cad. 574
Web	<a href="http://tofas.com.tr">http://tofas.com.tr</a>



## Contact

Name	Kemal Ekbiç
Role	R&D incentive responsible



## Description

Tofaş continually invests in know-how expansion and advanced technology in order to develop value-added systems and innovative products.

Tofaş R&D's vision is to create and develop exciting vehicles and new technologies that fully satisfy growing customers' needs in every part of the world. Tofaş R&D, thanks to its team know-how, contributes and participate actively to the FCA product development network.

## Areas of Activity

- MG-3-6-2020: Towards sustainable urban air mobility
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- MG-2-11-2020: Network and traffic management for future mobility
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use

## Marketplace Opportunities

### PROJECT COOPERATION

### New electrical vehicle development



Development of new electrical vehicles improving the range of it with applying new developed technology

# TransPix Ltd

## SME

Country	United Kingdom
City	Hull
Street	C4DI@TheDock, 31-38 Queen Street
Web	<a href="http://www.transpix.ltd.uk">http://www.transpix.ltd.uk</a>



## Contact

Name	Aparna Garg
Role	Director



## Description

TransPix uses Artificial Intelligence and Deep learning to analyse traffic patterns in real-time using existing video cameras (CCTV). It received prestigious Highways UK Intelligent Infrastructure award in congestion category in 2018.

Our product Smart Flow collects real-time Intelligent data. Traffic model using Intelligent data optimise traffic lights better than current state of art. Research shows 15-20% improvement in queue length and travel-time.

The intelligent data can also be used to understand the effect CAV's will have on mixed traffic in terms of queues and saturation occupancy. Note that actual data will be used instead of estimated data like car following parameters.

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

## Marketplace Opportunities

### PROJECT COOPERATION

### Intelligent data to optimise Traffic lights

Transpix collects enhanced data in real-time using existing CCTV cameras. The intelligent data is used

with Near real-time simulation model to optimise traffic lights.

#### PROJECT COOPERATION

### Impact of CAV on Road network

Transpax collect enhanced data to understand the impact of CAV, use real not estimated data for traffic models.

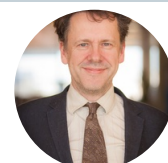
# Transport for London

## Authority/Government

Country	United Kingdom
City	London
Street	5 Endeavour Square, Westfield Avenue,
Web	<a href="http://www.tfl.gov.uk">http://www.tfl.gov.uk</a>

## Contact

Name	David Talbot
Role	European Research Coordinator



## Description

TfL are the integrated transport authority responsible for meeting Mayor's strategy and commitments on transport in London. We run the day-to-day operation of the Capital's public transport network and manage London's main roads. Every day more than 31 million separate journey segments are made across our network. We do all we can to keep the city moving, working and growing and to make life in our city better.

## Areas of Activity

- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-10-2020: Enhancing coordination between Member States' actions in the
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-7-2020: Digitalisation of the transport system: data sharing

area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance

- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?

# Trinity College Dublin

## University

Country	Ireland
City	Dublin
Street	School of psychology, Trinity College
Web	<a href="https://www.tcd.ie/cihs/">https://www.tcd.ie/cihs/</a>



Trinity College Dublin  
Coláiste na Tríonóide, Baile Átha Cliath  
The University of Dublin

## Contact

Name	Sam Cromie
Role	Co-Director, Centre for Innovative Human Systems



## Description

The Centre for Innovative Human Systems (CIHS) is a multi-disciplinary centre (including Psychology, Engineering and Computer Science, and Health Sciences) focused on applied research on human and organisational factors across a wide range of industries. Research themes include HMI, affective computing, human sensing, risk management and organisational change.

## Areas of Activity

- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers

# TRONICO

## Large Company

Country	France
City	ST PHILBERT DE BOUAINE
Street	26 RUE DU BOCAGE
Web	<a href="https://www.tronico-alcen.com/en">https://www.tronico-alcen.com/en</a>



## Contact

Name	Virginie MARCHAND
Role	Marketing and Customer relations manager



## Description

Innovative applications for electric mobility - Automotive, Trucks, agricultural machinery, construction machinery, Off-road vehicles, fork lifts and Boats - or stationary systems ( charge stations need ) DCDC, DCAC & ACDC converters to transfer electric energy between core components like fuel cells, batteries or supercaps.

Converters are key subsystems, they need to be efficient, robust and compact.

Tame-Power® Business Unit, develops skills and experience in high power conversion. Our DCDC, DCAC & ACDC converters operate in the range of 30 – 850V, 5 – 60 kW per module, they are ideally suited for innovative application .

Tame-Power relies on the background knowledge of Tronico which is specialized in designing, manufacturing and integrating of complex electronically dominated systems for high value-added equipment. Key figures : 800 collaborators, 85 M€ turnover, 2 production sites, 60 R&D engineers, 46 years of experience.

## Areas of Activity

- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries

## Marketplace Opportunities

### PROJECT COOPERATION

Proposing design of power electronic system - power conversion

Tronico provides :

- R&D engineering team in the field of electronic systems
- Power switching (MOS & SIC technology)
- Voltage & Current measurement
- Processing and system control
- Regulation
- Software and communicating machine
- Cooling & thermal management for power electronic.

Tronico wants to act as a partner for a leader who requires any of the skills above in his innovative projects.

- Benefit for the partner : get Tronico knowledge
- Benefit for Tronico : improve one or several of the technical skills.

Applications : all innovative solutions in electric mobility and stationary applications, and more specifically, in Automotive, Trucks, agricultural machinery, construction machinery, Off-road vehicles, fork lifts and Boats markets.



# TSI

## SME

Country	Spain
City	Madrid
Street	Avenida Pio XII, 44, Edificio PYOMAR, Torre 2, Bajo Izquierda
Web	<a href="http://www.tsisl.es">http://www.tsisl.es</a>



## Contact

Name	Alfonso Jurado
Role	Head of R&D department



## Description

TSI is Spanish SME with broad experience in commercial and R&D projects as a Noise & vibrations expert on the Marine Sector (both civil and naval). TSI has been involved in European R&D projects (FP7) related to the mitigation of underwater and airborne noise in vessels such as BEEST, SILENV and AQUO, and currently is coordinating FIBRESHIP project (H2020).

## Areas of Activity

- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- LC-MG-1-13-2020: Decarbonising long distance shipping

# TTS Italia

## Association/Agency

Country	Italy
City	Rome
Street	

## Contact

Name	Gennaro Ciccarelli
Role	Project Manager

## Description

TTS Italia is the National Italian Intelligent Transport Systems (ITS) Association with the mission to promote the development and diffusion of transport and logistics innovations in the Italian transport system in the best possible way for the user. It was founded in 1999 as no-profit organisation and currently counts ca. 80 members representing local authorities, public transport operators, mobility agencies, research centres, Universities and private organisations.

TTS Italia firmly believes that its approx. 20 years' hands-on experience on stakeholder engagement, international cooperation and best practice evidence review; market analyses and benchmarking studies; impact assessments and socio-economic evaluation; business model design and formulation of evidence-based policy making recommendations will be of significant value to the upcoming National, European and International research proposals.

## Areas of Activity

- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-6-2020: Towards sustainable urban air mobility
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation

# TUBITAK

## Authority/Government

Country	Turkey
City	Ankara
Street	Kavaklıdere



## Contact

Name	Serhat Melik
Role	National Contact Point for Transport in Horizon 2020 Programme



## Description

The Scientific and Technological Research Council of Turkey (TÜBİTAK) is the leading agency for management, funding and conduct of research in Turkey.

It was established in 1963 with a mission to advance science and technology, conduct research and support Turkish researchers. The Council is an autonomous institution and is governed by a Scientific Board whose members are selected from prominent scholars from universities, industry and research institutions.

TÜBİTAK is responsible for promoting, developing, organizing, conducting and coordinating research and development in line with national targets and priorities.

TÜBİTAK is also responsible from the national coordination of Horizon 2020 Programme in Turkey and aims to increasing participation of Turkish stakeholders to the programme.

## Areas of Activity

- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-4-7-2020: Digitalisation of the

smart and clean mobility: new  
approaches towards demonstrating and  
testing innovative solutions

transport system: data sharing

## Marketplace Opportunities

### PROJECT COOPERATION

## Facilitate Cooperation in Transport 2020 Topics with Turkish Stakeholders

As National Contact Point for Transport, I aim to facilitate cooperation and collaboration between Turkish Research Area and European Research Area.

## University

Country	Netherlands
City	Delft
Street	Kluyverweg 1, Office 5.06

## Contact

Name	Daniele Ragni
Role	Assistant Professor



## Description

Aerodynamics, Wind-Energy, Flight Performance and Propulsion

## Areas of Activity

- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions

# TURECON Energy & Environment

## SME

Country	Turkey
City	Ankara
Street	n/a
Web	<a href="http://www.turecon.com/en/">http://www.turecon.com/en/</a>



## Contact

Name	Tugrul Atasoy
Role	Co-founder



## Description

TURECON Energy & Environment is a consultancy and engineering company that primarily functions in four main areas of industry: electric mobility, renewable energy, energy efficiency, upstream activities (oil & gas & geothermal).

Co-founders of TURECON Energy & Environment have 10+ years of field and project experience in various disciplines of energy industry and aims to deliver clean, efficient and economic solutions for energy and environmental operations.

Having worked in several national and international R&D and operational projects, TURECON team has a strong background in developing and managing sophisticated clean mobility & energy projects with a specific focus on infrastructure management, integration and optimization.

## Areas of Activity

- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- MG-2-11-2020: Network and traffic management for future mobility

# TURECON Energy & Environment

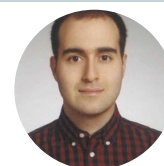
## SME

Country	Turkey
City	Ankara
Street	
Web	<a href="http://www.turecon.com">http://www.turecon.com</a>



## Contact

Name	Burak Kayael
Role	Co-Founder



## Description

TURECON Energy & Environment is a consultancy and engineering company that primarily functions in four main areas of energy industry: energy efficiency, renewable energy, electric mobility, upstream activities (oil & gas & geothermal).

Co-founders of TURECON Energy & Environment have 10+ years of field and project experience in various disciplines of energy industry and aims to deliver clean, efficient and economic solutions for energy and environmental operations.

Having worked in several national and international R&D and operational projects, TURECON team has a strong background in developing and managing sophisticated energy projects with a specific focus on infrastructure management, integration and optimization.

## Areas of Activity

- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-BAT-8-2020: Next-generation

- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- LC-MG-1-13-2020: Decarbonising long distance shipping
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- batteries for stationary energy storage
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-BAT-12-2020: Novel methodologies for autonomous discovery of advanced battery chemistries
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance



# Ubiwhere

## SME

Country	Portugal
City	Aveiro
Street	
Web	<a href="https://www.ubiwhere.com">https://www.ubiwhere.com</a>



## Contact

Name	Ricardo Vitorino
Role	Smart Cities R&I Manager



## Description

Founded in 2007, Ubiwhere is focused on Research, Development and Innovation of software-based solutions in the areas of Smart Cities, Telecom and Future Internet, and New Technologies. As an innovative and technological company, the skills of our team are one of our differentiating factors. Our team (about 60 employees), is one of the pillars of the company's success and is prepared to face the biggest challenges in the market.

Ubiwhere cooperates with leading technology companies which value our partnership and recognise Ubiwhere's large-scale contribution to their creative and innovative projects. We are committed to ensuring the best practices at quality management level holding certifications, such as ISO 9001 and CMMI-Dev Level 3.

We have the innate desire of changing the World, the reason why we create, design and develop solutions which aim at improving everyone's lives.

## Areas of Activity

- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-13-2020: Coordination and support for an integrated freight transport and

- vehicles in real logistics operations
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?

logistics system

## Marketplace Opportunities

### PROJECT COOPERATION

#### Ubiwhere / Software-development SME expert in smart cities & urban mobility

Founded in 2007, Ubiwhere is focused on Research, Development and Innovation of software-based solutions in the areas of Smart Cities, Telecom and Future Internet, and New Technologies. As an innovative and technological company, the skills of our team are one of our differentiating factors. Our team (about 60 employees), is one of the pillars of the company's success and is prepared to face the biggest challenges in the market. Ubiwhere cooperates with leading technology companies which value our partnership and recognise Ubiwhere's large-scale contribution to their creative and innovative projects. We are committed to ensuring the best practices at quality management level holding certifications such as ISO 900 1 and CMMI-Dev Level 3.

We have the innate desire of changing the World, the reason why we create, design and develop solutions which aim at improving everyone's lives.

#### PRODUCTS:

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##### \*Mobility Catalogue\*

A cloud platform focused on the Urban Mobility domain and its current challenges

Capable of collecting, harmonising, processing, storing and provisioning mobility data to third-party applications, open data portals and information systems. With the platform, city service providers can optimise their operational efficiency leveraging the business intelligence reports and the efficient route planning service, while enhancing the transparency and openness, both for the municipality and the citizens.

<https://mobility.ubiwhere.com/>

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##### \*Smartlamppost\*

A lamppost with bleeding-edge technology, i.e. a future-proof solution that is changing the ways that cities evolve, in a flexible and cost-effective way, tackling current e-mobility and communication needs.

The Smartlamppost follows a simple modular approach, with scalability in mind. It is easy to mix-and-match different modules in an elegant and clean solution. Because of its modularity and flexibility, Smartlamppost targets both municipalities and different businesses operating in different markets.

The main features are:

- Smart Lighting
- EV Charging
- Elegant Neutral Hosting
- Edge Computing

<https://www.ubiwhere.com/en/products/product/18-smart-lamppost>

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#### \*Urban Platform\*

The Urban Platform provides municipalities with a global and integrated view of their cities, presenting data from various domains, such as traffic, air quality and waste collection.

This information, presented in a single control panel, allows municipalities to obtain the data needed to make informed and targeted management.

In this way, they can ensure that the decisions taken are well-founded and provide empirical reports on their impact.

Users can customize their dashboards by choosing information from any available source and combining it into different domains such as mobility and environment, with the ultimate goal of reducing operating costs, reducing greenhouse gas emissions and, as a result, improving the quality of life of its citizens.

<https://www.ubiwhere.com/en/products/product/12-urban-platform>

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#### \*FIWARE\*

FIWARE plays a significant role in our Smart City strategy, playing the part of the standardisation layer that brings all its Smart Cities' solutions and data sources together. FIWARE has allowed Ubiwhere to set up a sophisticated Smart City infrastructure powered by standards and interoperable at its core. With deployments spreading throughout Portugal and Europe, the first major challenge came with the set-up of Porto (Portugal's second-largest city and a member of OASC) Smart City Node.

With the support of Ubiwhere, Porto has been a pioneer city adopting FIWARE standards and together have developed the interfaces bringing access to real-time, contextual environmental data from monitoring stations located across the city (weather, air quality, noise). Scanners installed on the City Council's 200+ fleet of vehicles enhance the data, creating a large-scale mobile scanner. External providers like the city's water supplier, transport data providers, social media data and business startup statistics are all plugged into FIWARE's platform to allow the city itself to guide you as you explore, travel, and work.

<https://www.fiware.org/success-stories/ubiwhere/>

# UiT The Arctic University of Norway

## University

Country	Norway
City	Narvik
Street	Lodve Langes gt. 2
Web	<a href="https://uit.no">https://uit.no</a>



## Contact

Name	Bjarte Hoff
Role	Associate professor



## Description

UiT is a multi-campus university covering research and education from a wide range of fields from engineering, and natural science to health and social science. Through the newly formed ARC centre for sustainable energy, several faculties are cooperating in interdisciplinary research to make a more sustainable future.

## Areas of Activity

- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions

# Università Politecnica delle Marche

## University

Country	Italy
City	Ancona
Street	
Web	<a href="https://www.univpm.it/Entra/">https://www.univpm.it/Entra/</a>

## Contact

Name	Barbara Kulaga
Role	Phd Candidate



## Description

The Department of Management carries out scientific and applied research activities and university teaching activities in Financial Accounting, Management, Accounting, Planning & Control Systems, Business Strategies, Marketing and Business management, Business organization, Business Finance, Mathematics, Actuarial and financial mathematics, Mathematical finance, Financial Markets and Institutions, Private Law, Public Law, Labour Law, Administrative Law, Tax Law. The common focus of analysis of subjects in the field of business-economics, management and the study of production sectors is public, private or non-profit enterprises, markets and industrial organizations. The aim of research and teaching applications focus on the structural, behavioural and strategic analyses of enterprises in their competitive contexts. Continuous comparison with the economic situation and development in applied research through collaborations and conventions with the European Union, public institutions and private enterprises concretely contribute to integrate the academic world with the socio-productive system. In the Doctoral school of research of the Faculty of Economics, the Department coordinates the activities of the "Business Management" program and of the "Business Law" program. An active study group in the Department has promoted the setting up of a spin-off called L.I.V.E. which is related to the analysis systems, measurement and evaluation of intellectual capital.

## Areas of Activity

- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers

# University of A Coruña

## University

Country	Spain
City	A Coruña
Street	Campus de Elviña
Web	<a href="https://www.udc.es/en/">https://www.udc.es/en/</a>



## Contact

Name	Martiño Rubal
Role	European Project Manager



## Description

The University of A Coruña (UDC) is a young university founded in 1989. It is made up of 24 faculties and schools, 1400 researchers and around 17000 students. The UDC participates in 14 H2020 projects, and the total budget of the institution amounts 124 M euro.

## Areas of Activity

- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-BG-03-2020: Under water noise mitigation and environmental impact

## Marketplace Opportunities

### PROJECT COOPERATION

### Group of Electronic Technology and Communications

GTEC is the acronym of Grupo de Tecnología Electrónica y Comunicaciones (Group of Electronic Technology and Communications), a research group inside the Department of Computer Engineering (DCE) at the University of A Coruña (UDC), Spain. The members of GTEC develop their teaching and research activities on telecommunication systems with particular emphasis on wireless data transmission technologies, applications and services. The specific research lines at GTEC are:

Iterative and adaptive signal processing techniques for estimation, equalization, synchronization and interference cancellation in wireless communications.

Design of capacity approaching channel coding techniques.

MIMO (Multiple Input Multiple Output) transmission technologies.

Data Communications Equipment prototyping with special emphasis on the wireless standards IEEE 802.11 (WiFi), IEEE 802.16 (WiMAX), Long Term Evolution (LTE), ...

Wireless Sensor Networks for positioning and delivery of contextual information.

Wireless communications between vehicles.

Radio Frequency Identification (RFID) technologies.

During the last 5 years, GTEC has consolidated a solid reputation as a research group on the areas of signal processing and wireless communications. This is proved by the publication of more than 60 papers in international journals and conference proceedings (among them the Best Paper Award at the International ITG/IEEE Workshop on Smart Antennas, WSA 2007). The research activity is also evidenced by the four doctoral theses that were finished in the same period.

The group is extremely involved in research projects. Since its beginning in 1994, GTEC has reached a sustained and continuous funding through the participation in more than 25 research projects at regional, national and European level. It also excels in its technological transfer activities as proved by their contracts with companies such as Indra Sistemas, ATOS ORIGIN, Telefónica I+D, Quobis Networks, Wireless Galicia, Satdata Telecom, ...; and the creation of a spin-off company (Nomasystems, S.L.). In summary, GTEC has attracted more than 2,5 million euros from their contracts and research projects. All these results allowed GTEC to be awarded by an extra research funding of 240.000 euros between 2007 and 2010 from the Consolidation and Structuring of Competitive Research Units sponsored by Xunta de Galicia, Spain.

#### PROJECT COOPERATION

### UDC - Navantia Joint Research Unit : Shipyard 4.0. The Shipyard of the Future

Navantia is a spanish state-owned company reference in the design and construction of high technology military and civilian vessels. The main objectives of this mixed research unit is the development of new techniques and technologies that allow increasing the shipyard's competitiveness.

The areas of action of the mixed unit are:

- Transformation of productive methods to improve their efficiency.
- Development of new plant logistics schemes.
- Automation of production processes.
- Development of specific ICT tools and devices for engineering, production and knowledge management.
- Transfer of new developments to the supply chain.

#### PROJECT COOPERATION

### Database lab of the University of A Coruña

The lab is part of the Centre for Information and Communications Technology Research of the University of A Coruña. The lab has developed two solutions for transport:

- 1) GIS interfaces for the representation and exploitation of big quantity of transport data.
- 2) The efficient representation and consultation of the huge amount of data that involves the storage of all the trajectories that can be done by passengers in public transport, cars or people. As we talk about trajectories and every day new trajectories are made the data set grows enormously, constituting a real BIG data problem (solved via compressed and self indexed data structures that respond efficiency to queries). With this data we create GIS-based data exploitation interfaces so that transportation network administrators can exploit accumulated data.

#### PROJECT COOPERATION

### INTEGRATED GROUP FOR ENGINEERING RESEARCH

In the last years the group has participated in more than 100 research projects and contracts (H2020, FP7, NATO, Feder, ESA, National, Regional and private funding), and has produced 7 international patents, 30 software patents, 3 spin-off companies.

The main lines of research are:

- Naval engineering
- Industrial organisation and logistics
- Electronics and automation
- Fluid dynamics
- Computing and artificial intelligence

Key infrastructure facilities:

- Towing Tanks
- Wind tunnels
- Cavitation tunnels
- High performance distributed clusters

Main projects:

- Naval Architecture Software development
- Fishing vessels safety & stability guidance
- Dynamic stability evaluation
- Autonomous robotics
- Fluid dynamics & CFD
- Infrastructure optimization

## PROJECT COOPERATION

### Roads, Geotechnics and Materials (CGM) research group

This research group of the University of A coruña has several international competitive projects, patents and contracts with enterprises. The main lines of research are:

- Data analysis and traffic management.
- Dynamic traffic management systems.
- Analysis and data integration for the prediction of travel times.
- Platooning V2X strategies for the dynamic management of connected vehicles.
- Urban mobility.
- Bike sharing and car sharing. Ride-hailing. P2P.
- Road safety.
- Mechanical behavior and numerical modeling of road and airport surface.
- Numerical modeling of geotechnical problems. Tunnels and underground works.

Sample of projects:

- COOP Project: Cooperative driving on highways: management strategies in a mixed system: autonomous and traditional vehicles.
- Highway travel time information systems: from traditional to cooperative driving environments.



# University of Belgrade - Faculty of Transport and Traffic Engineering

## University

Country	Serbia
City	Belgrade
Street	Vojvode Stepe 305
Web	<a href="http://www.sf.bg.ac.rs">http://www.sf.bg.ac.rs</a>



## Contact

Name	Dalibor Pešić
Role	Vice dean for scientific researches



## Description

The Faculty of Transport and Traffic Engineering (FTTE) has more than sixty years long tradition in educating traffic engineers at all levels of studies - BSc, MSc and PhD. The Faculty is known for the exceptionally rich experience of the teaching staff, collaboration with key institutions in the field, up-to-date teaching curriculum, incorporating both the most recent engineering practices and international scientific achievements.

Main scientific areas taught at FTTE include: transport planning, technology, safety and security,, transport management, organization, economics and policy, operational research and many more referring to all transport modes. In addition, specific fields as postal and telecommunications traffic and networks as well as logistics are also FTTE research fields.

Main reasons to cooperate with the FTTE

- It is the oldest faculty of its kind in the SE Europe and the only one with comprehensive education programs.
- 9 H2020 projects: TRACE, COCTA, APACHE, AUTOPACE, INTEND, NOESIS, ENGAGE; DIAMOND, BE OPEN.
- More than 500 published papers in high-ranking scientific journals.
- UB-FTTE rank: 151-200 place on Shanghai Ranking's Global Ranking of Academic Subjects 2018 - Transportation Science & Technology.
- Broad cooperation with industry and other entities in the public and private sector.
- Open for cooperation and with great experience in interdisciplinary research and studies making transport a key factor in the development of economy and society .

## Areas of Activity

- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- MG-2-10-2020: Enhancing coordination between Member States' actions in the
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-13-2020: Coordination and support for an integrated freight transport and

- area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
  - MG-3-6-2020: Towards sustainable urban air mobility
  - MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
  - MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
  - DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
  - LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- logistics system
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
  - MG-4-7-2020: Digitalisation of the transport system: data sharing
  - LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
  - MG-2-11-2020: Network and traffic management for future mobility
  - MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation

# University of Belgrade - Faculty of Transport and Traffic Engineering

## University

Country	Serbia
City	Belgrade
Street	Vojvode Stepe 305
Web	<a href="http://www.sf.bg.ac.rs">http://www.sf.bg.ac.rs</a>



## Contact

Name	Filip Filipović
Role	Project Manager



## Description

The Faculty of Transport and Traffic Engineering (FTTE) has more than sixty years long tradition in educating traffic engineers at all levels of studies - BSc, MSc and PhD. The Faculty is known for the exceptionally rich experience of the teaching staff, collaboration with key institutions in the field, up-to-date teaching curriculum, incorporating both the most recent engineering practices and international scientific achievements.

Main scientific areas taught at FTTE include: transport planning, technology, safety and security,, transport management, organization, economics and policy, operational research and many more referring to all transport modes. In addition, specific fields as postal and telecommunications traffic and networks as well as logistics are also FTTE research fields.

Main reasons to cooperate with the FTTE

- It is the oldest faculty of its kind in the SE Europe and the only one with comprehensive education programs.
- 9 H2020 projects: TRACE, COCTA, APACHE, AUTOPACE, INTEND, NOESIS, ENGAGE; DIAMOND, BE OPEN.
- More than 500 published papers in high-ranking scientific journals.
- UB-FTTE rank: 151-200 place on Shanghai Ranking's Global Ranking of Academic Subjects 2018 - Transportation Science & Technology.
- Broad cooperation with industry and other entities in the public and private sector.
- Open for cooperation and with great experience in interdisciplinary research and studies making transport a key factor in the development of economy and society .

## Areas of Activity

- MG-2-11-2020: Network and traffic management for future mobility
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-7-2020: Digitalisation of the

- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-6-2020: Towards sustainable urban air mobility
- transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

# University of Cantabria

## University

Country	Spain
City	Santander
Street	ETS Ing Caminos. Avda Los Castros s/n

## Contact

Name	Borja Alonso
Role	Assistant Professor



## Description

The Sustainable Mobility Research Group

## Areas of Activity

- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system

# University of Cyprus

## University

Country	Cyprus
City	Nicosia
Street	
Web	<a href="http://www.kios.ucy.ac.cy">http://www.kios.ucy.ac.cy</a>

## Contact

Name	Christos Panayiotou
Role	Deputy Director, Professor

## Description

The KIOS Research and Innovation Center of Excellence (KIOS CoE) operates within the University of Cyprus. The Center was established in 2008 and was subsequently selected by the EU to advance into a Research and Innovation Center of Excellence in 2017. With collaboration with Imperial College London, KIOS has succeeded in securing funding in excess of 40 million euros for the period of 2017-2022. This is the largest and most competitive funding to be secured for research and innovation in Cyprus which will be implemented as part of the EU's strategic Horizon 2020 program for "Spreading Excellence and Widening Participation – Teaming".

The KIOS CoE is the largest research and innovation center in Cyprus on Information and Communication Technologies (ICT) with an emphasis on monitoring, control, management and security of critical infrastructures such as electric power systems, water distribution networks, telecommunication networks, and transportation systems. The goal of the Center is to conduct outstanding interdisciplinary research and innovation and produce new knowledge and tools that can be applied to solve real-life problems. The Center collaborates with an extended network of national and international academic, industrial, and governmental organizations to assure that its research has maximal applicability and impact.

The KIOS CoE has a strong team working in the area of intelligent transportation systems with emphasis towards two main research directions. The first direction concerns the development of intelligent monitoring and control algorithms for real-time management of current road transportation systems to maximize efficiency and reliability, in collaboration with the Cyprus Ministry of Transport, Communications and Works. The second direction investigates challenges in future intelligent transportation systems that integrate emerging technologies such as connected and automated vehicles. Areas of interest include:

- Distributed and cooperative control of connected autonomous vehicles
- Dynamic routing and balancing of connected autonomous vehicles
- Scheduling for electric vehicle charging
- Distributed and robust traffic monitoring and control
- Traffic sensor fault diagnosis
- UAVs for traffic management and control.

## Areas of Activity

- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use

# University of Deusto-DeustoTech

## University

Country	Spain
City	Bilbao
Street	Avenida de las Universidades 24
Web	<a href="http://research.mobility.deustotech.eu/">http://research.mobility.deustotech.eu/</a>



## Contact

Name	LEIRE SERRANO
Role	EU project manager



## Description

Deustotech – Deusto Institute of Technology is an Academic research organisation that belongs to the engineering faculty of the University of Deusto.

Deustotech-Mobility unit (<http://research.mobility.deustotech.eu/>) created in 2007, is committed to respond to the current and future needs of society and industry in the field of mobility and transport, from a firm commitment to research in the field of new technologies. The activity of the unit focuses on research into the technologies of information and communication (technology ICT) for application in the sector of transport, mobility and logistics.

This research can contribute to the development of Intelligent Transport Systems which are capable of improving the mobility of people and goods, making it more sustainable, smart and comfortable, using the latest technologies in the field of Advanced Communications Systems and Artificial Intelligent algorithms, cooperative networks (V2V, V2I, V2X), design of antennas for vehicular or mobile environments, to implementation of multimodal route planners, goods tracking and enhanced logistics platforms. Besides, on the recent years many advances has been done on the research of seamless positioning (indoor and outdoor) and activity monitoring of people with MEMs, getting promising results.

The main expertise areas of Deustotech mobility unit in transport and mobility follows:

- Artificial intelligence: data processing from different sources, driving assistance applications, prediction based applications (congestion prediction etc.), route optimisation and planning. We are currently coordinating a H2020 project in this area, TIMON ([www.timon-project.eu](http://www.timon-project.eu)), LOGISTAR (<http://logistar-project.eu>).
- Seamless positioning - Location Based Services: The capability of smart devices to be used as the target of a positioning system has been already demonstrated in previous works. However, most of them rely on a single technology, or they are specific to the environment or user. Mobility research unit tackle these constraints by presenting a novel seamless positioning system which tightly fuses the sensors information provided by a portable smart device (smartphone or tablet) to perform real time location without interruption and independently of the environment the user is moving.
- Vehicular communications: new communication protocols development, vehicle to vehicle/ vehicle to infrastructure communications, vehicle to Vulnerable Road Users (VRU), for delivering different alerts to the different agents, ie: risk of collision in an intersection, a car is trying to overtake, an ambulance is approaching to high speed, alerts to VRU (ie : a vehicle is approaching to high speed)

Further information about DeustoTech Mobility unit can be found at



<http://research.mobility.deustotech.eu/>

Deusto is currently involved in various H2020 projects, such as:

As coordinator: TIMON (<https://timon-project.eu>), LOGISTAR (<http://logistar-project.eu>), EDI (<https://edincubator.eu>).

As partner: MOMENTUM (<https://cordis.europa.eu/project/rcn/221856/factsheet/en>), Drive2future

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers

# University of Modena and Reggio Emilia

## University

Country	Italy
City	Modena
Street	
Web	<a href="http://hipert.unimore.it">http://hipert.unimore.it</a>



**UNIMORE**  
UNIVERSITÀ DEGLI STUDI DI  
MODENA E REGGIO EMILIA

## Contact

Name	Francesco Guaraldi
Role	Project Manager



## Description

Who we are?

The High-Performance Real-Time Laboratory (HiPeRT Lab) is made by a team of more 10 high skills University of Modena and Reggio Emilia researchers specialized in the development of algorithmic and software solutions for high-performance real-time systems, with particular relation to next-generation multi-/many-core architectures. HiPeRT Lab's mission is to predictably exploit the tremendous performance/power potential offered by parallel computing platforms in application domains where timing constraints are crucial. To achieve this goal, the group acquired a strong experience in all the aspects of the technological software stack: from low-level communication/synchronization support for parallel applications, to scheduling algorithms and schedulability analysis; from Real-Time Operating Systems (RTOS) to efficient compilers and predictable runtimes.

The group has been involved in several EU project and has multiple on-going collaborations with key companies in industrial domains where real-time requirements are crucial: automotive, avionics, industrial automation, but also semantic intelligence and on-line advertising. It strongly believes in the technology transfer between academia and industry, fostering and promoting new collaborations for improving and devising the real-time systems of the future.

Website: <http://hipert.unimore.it>

Skills:

1. Real-time scheduling algorithms development
2. Compilers and virtual platforms development
3. Many core platforms capabilities analysis
4. Algorithms parallization on multicore systems and GPU
5. Network and disk schedulability analysis
6. Application domains safety critical real time requirements and technology transfer

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-GV-08-2020: Next generation

- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations

electrified vehicles for urban and suburban use

## Marketplace Opportunities

### PROJECT COOPERATION

MASA PPP- Autonomous driving testing bed and AD vehicles prototypes available.

Modena Automotive Smart Area PPP has born from the automotive industrial needs that were:

- 1-Attracting new skilled labour force on the topic of electric power train and AD and provide training ground for their employee
- 2-Providing simulation tools
- 3-Offering testing facilities (proving ground) and real city environment

Target reached so far are:

1. MUNER Master shared between Bologna and Modena and Reggio E. University was established
2. Advance automotive joint PHD together with Trento has been established
3. A static simulator VI Grade
4. 6 prototypes (1.Quattroporte, 1. Levante, 1. Ghibli, 1. Mehari, 2. Renegade) managed both by RTO and LE are running in the areas and already carried out 4 public shows.
5. An agreement with the Modena race track, Municipality of Modena and University is in palce
6. 30 Companies signed the Modena Automotive Smart Area LOI
7. 4 H2020 research and industrial projects won involving University, Modena Municipality and local automotive specialized company and start up.

Visit the dedicated website:<https://www.automotivesmartarea.it/?lang=en>

# University of Southampton

## University

Country	United Kingdom
City	Southampton
Street	Engineering and Physical Sciences, Building 176, Boldrewood Campus
Web	<a href="https://www.southampton.ac.uk/smmi/">https://www.southampton.ac.uk/smmi/</a>

## Contact

Name	Simon Quinn
Role	Industry Liaison, Southampton Marine and Maritime Industry



## Description

The Southampton Marine and Maritime Institute (SMMI) is a community of academics from across the University of Southampton, whose interests and research are linked to the marine/maritime realm. By working across the traditional disciplinary divides, we can better address some of today's global marine & maritime challenges.

The SMMI constitutes world class, authoritative, independent expertise, spanning both the marine and maritime sectors. We foster new research collaborations, educate the next generation of maritime leaders, and generate knowledge and intelligence for businesses of all sizes, government at all scales and organisations of all kinds. Alone and with partners we create new technologies and innovations to stimulate economic growth and improve quality of life and the environment.

## Areas of Activity

- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- MG-4-10-2020: Improving impact and broadening stakeholder engagement in support of transport research and innovation
- MG-BG-03-2020: Under water noise mitigation and environmental impact
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport

# University of Vigo

## University

Country Spain  
City Vigo  
Street

## Contact

Name Pedro Arias  
Role Research



## Description

Public University

## Areas of Activity

- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance

## Marketplace Opportunities

PROJECT COOPERATION

TBD

TBD

# University of Vigo

## University

Country Spain  
City Vigo  
Street

## Contact

Name Henrique Lorenzo



## Description

Public University in NW Spain

## Areas of Activity

- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

# University of Vigo

## University

Country	Spain
City	Vigo
Street	
Web	<a href="http://www.uvigo.gal">http://www.uvigo.gal</a>

Universidade de Vigo

## Contact

Name Joaquín Martínez-Sánchez



## Description

The Universidade de Vigo is a young and dynamic institution that offers a wide range of training programs in the three specialized and innovative campuses that make it up. The University of Vigo has been built on deep positive values, based on transparency and good management, integration, equality, diversity and respect for the environment. We are committed to specialization and quality research and, as an institution committed to the social and economic environment, the transfer of knowledge to society is central for us, so we strive for research to continually revert to social development.

## Areas of Activity

- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance

# Ünye Atatürk Anatolian High School

## Other

Country	Turkey
City	Ordu
Street	Atatürk Mah
Web	<a href="http://unyeaal.meb.k12.tr/">http://unyeaal.meb.k12.tr/</a>



## Contact

Name	Hüseyin Kırman
Role	Teacher



## Description

A high-school, teaches 14-18 year old students.

## Areas of Activity

- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- LC-MG-1-13-2020: Decarbonising long distance shipping
- LC-MG-1-15-2020: Towards global environmental regulation of supersonic aviation
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance
- MG-2-13-2020: Coordination and support
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation



for an integrated freight transport and  
logistics system

# UPC - CD6 (Centre for Sensors, Instruments and Systems Development)

## University

Country	Spain
City	Terrassa
Street	Rambla Sant Nebridi, 10
Web	<a href="https://www.cd6.upc.edu/">https://www.cd6.upc.edu/</a>



## Contact

Name	Laura Escolano Sitjes
Role	International Project Manager



## Description

The Universitat Politècnica de Catalunya (UPC, <http://www.upc.edu>) is a public institution dedicated to higher education and research, specialised in the fields of engineering, architecture and science. The UPC is among the largest Spanish technical universities, with more than 2.600 researchers and 30.000 students, covering research in all the main engineering fields. Research at UPC is organized in 194 multidisciplinary groups plus 7 research institutes. The UPC is the best technical university in Spain according to the QS World University Rankings (WUR). According to the National Taiwan University (NTU) ranking, the UPC is nowadays within the best 100 universities in engineering worldwide. The UPC is present in over 130 countries in five continents thanks to the agreements and alliances with prestigious universities and institutions all over the world, promoted by the UPC Abroad programme. The UPC is currently involved in more than 100 European projects, acting as a coordinator in more than 20, and also is a member of the main international research and education networks, and coordinates five UNESCO chairs.

The Centre for Sensors, Instruments and Systems Development (CD6) (<http://www.cd6.upc.edu>) is an UPC research centre operating in the field of Photonics Engineering and currently coholding the Technical Secretariat of Fotonica21, the Spanish Platform for Photonics. Sited in the Greater Barcelona region, the research activities developed at CD6 are aimed at creating value through innovation and entrepreneurship. Market-oriented research has enabled to the licensing of patents to the industry, to serve over 200 industrial clients in the last 10 years, and also to the creation of more than 11 spin-off and start-up companies that manufacture and market new photonics-based products in different sectors. CD6 has a staff of about 40 people, and its research is interdisciplinary by nature, with optical, mechanical, electronics and software engineers working together in complementary research lines enabling turnkey prototypes to be delivered to our contractors. The standard ratio for the funding of CD6 coming from industrial projects stays around 65% in average, with peaks of up to 75% depending on the year. International industrial research contracts have been developed in markets like automotive, transport, biomedical, electronics, or instrumentation. CD6 has an ISO9001 certified quality system and is recognized as reference TECNIO centre for innovation by the Catalan Agency for Competitiveness, ACCIÓ.

Track record in European Projects:

UPC-CD6 has participated in a number of EU-related projects and initiatives, always in coordination with SMEs. The most relevant have been in transport (NICOLAU, CRAFT programme, 2005), or in the biomedical field (Diagnoptics, CIP-PSP program, 2016, coordinator), COST Action BM1205 (2014, co-chair) and in the H2020 CSA Europho21 Project Id 643995. UPC-CD6 is currently participating in the following H2020 projects: NextPho21 (CSA; Project ID 779664), ACTPHAST 4.0 (IA; Project ID 779472), ACTPHAST 4R (IA; Project ID SEP- 210505406), FLOIM (RIA; Project ID SEP-210498914) and VIZTA (ECSEL-IA, Project ID SEP-826600).

## Areas of Activity

- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

## Marketplace Opportunities

### PROJECT COOPERATION

#### LIDAR for autonomous vehicles

Semi-autonomous and unmanned mobility need advanced sensor suites for the proper control and perception of the environment of the vehicles. Lidar is one of the sensor in the suite with largest degree of novelty and is generally recognized as a must for any unmanned vehicle.

At CD6 we have developed a proprietary solid-state solution for lidar imaging (10 patents) which enables very detailed point clouds and real-time registering of 2D images and 3D point clouds. Our lidar images have one of the best spatial resolutions available and can be integrated with any CMOS camera based imaging mode (RGB, NIR, SWIR, polarimetric) Typical use cases include small object and drivable space detection, including expertise in imaging in bad weather conditions.

We are specialists in lidar and EO imaging, but can also contribute with several other optical metrology techniques, including optomechanical design, hardware integration and general sensors and Optical engineering approaches, from hyperspectral imaging to low-cost laser sensors. Outside of the technical ground, we can also contribute to consortium generation with a solid SME network built out of 20 years of innovation in Optical Engineering.

Video samples

- 1) Automotive lidar <https://vimeo.com/325604480>
- 2) Automotive data fusion <https://vimeo.com/346350169>
- 3) Maritime data fusion <https://vimeo.com/347257897>

## SME

Country	Belgium
City	LIEGE
Street	Avenue du Pré-Aily, 25
Web	<a href="http://www.v2i.be">http://www.v2i.be</a>



FROM VIBRATIONS  
TO IDENTIFICATION

## Contact

Name	Christophe Loffet
Role	Business Development Manager



## Description

V2i is Belgian SME

- providing expertise in structural dynamics / vibrations (numerical simulation / testing / measurement)
- and developing tailor-made acquisition and monitoring solutions for zero-defect manufacturing applications, test benches and predictive maintenance.

## Areas of Activity

- MG-3-5-2020: Next generation multifunctional and intelligent airframe and engine parts, with emphasis on manufacturing, maintenance and recycling
- MG-3-7-2020: Improved Production and Maintenance Processes in Shipyards
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-MG-1-13-2020: Decarbonising long distance shipping
- MG-2-10-2020: Enhancing coordination between Member States' actions in the area of infrastructure research with a particular focus on biodiversity and ameliorating environmental impacts and full automated infrastructure upgrade and maintenance

# Valeo

## Large Company

Country	Germany
City	Bietigheim
Street	Laiernstr. 12
Web	<a href="https://www.valeo.com/en/">https://www.valeo.com/en/</a>



## Contact

Name Andrea ELSER



## Description

Valeo is an automotive supplier and partner to automakers worldwide. As a technology company, Valeo designs innovative solutions for smart mobility, with a particular focus on intuitive driving and reducing CO2 emissions.

## Areas of Activity

- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-11-2020: Network and traffic management for future mobility
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-4-7-2020: Digitalisation of the transport system: data sharing

# VALEO Systèmes Thermiques

## Large Company

Country	France
City	La Verrière
Street	
Web	<a href="http://valeo.com">http://valeo.com</a>

## Contact

Name	Pascale HUWART
Role	Collaborative Innovation Director

## Description

Automotive Industry  
Cabin Thermal Management and Well being  
Engine Thermal Management  
Battery Thermal Management  
for conventional, hybrid and electric vehicles

## Areas of Activity

- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions

# VALEO THERMAL SYSTEMS

## Large Company

Country	France
City	LA VERRIERE
Street	8 rue Louis LORMAND
Web	<a href="https://www.valeo.com/en/">https://www.valeo.com/en/</a>



## Contact

Name	Geoffrey BRUNEL
Role	Collaborative Innovation Manager



## Description

As a global automotive supplier, Valeo operates in 33 countries to design innovative technologies and systems that will make the car of tomorrow more intuitive, autonomous, connected and environmentally friendly.

## Areas of Activity

- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-MG-1-14-2020: Understanding and mitigating the effects on public health of emerging non-regulated nanoparticle emissions issues and noise
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use

# VALEO VISIBILITY

## Large Company

Country	France
City	Paris
Street	
Web	<a href="https://www.valeo.com/en/visibility-systems/">https://www.valeo.com/en/visibility-systems/</a>



## Contact

Name	Antoine HUMBERT
Role	R&I Public Funding Projects Manager



## Description

Valeo is an automotive supplier and partner to automakers worldwide. As a technology company, we design innovative solutions for smart mobility, with a particular focus on intuitive driving and reducing CO2 emissions

The Valeo Visibility Systems Business Group – made up of two Product Groups, Wiper Systems (including sensor cleaning systems) and Lighting Systems (exterior and interior) – designs and produces innovative technologies to ensure the best possible visibility and safety for drivers in all weather conditions, in both day and night, with optimum design and comfort. We develop visibility systems to support the driver in the Task of Driving, to allow self-driving cars to run in all conditions and to make enjoyable and exciting the Experience of Traveling. We are building what we call Augmented Visibility!

Valeo, and its alliance with Japanese lighting specialist Ichikoh, designs interior and exterior lighting solutions tailored to meet all automaker model requirements. From the latest adaptive lighting technologies to intuitive interior lighting solutions to stylish and design-centric external lighting, Valeo constantly innovates to improve comfort and safety for drivers and passengers alike.

From innovative interior and exterior lighting solutions (headlamps and lights), to LED lights and non-blinding "road" beams, each solution addresses the needs and market trends of cars, while ensuring clear visibility and the safety of drivers.

A clear and impeccable view of the road is essential for road safety. The Wiper Systems Product Group develops cutting-edge technologies which clean windshields, rear windows and optical sensors to constantly offer drivers and autonomous cars an excellent visibility. These solutions are designed not only for increased comfort and safety, but also reduced weight thereby reducing CO2 emissions.

## Areas of Activity

- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for



- MG-3-6-2020: Towards sustainable urban air mobility
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- passenger cars
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use

## Marketplace Opportunities

### PROJECT COOPERATION

#### Autonomous vehicle project - Automated road transport

Inside autonomous vehicle project, we can provide innovative technological bricks such as:

- Smart digital exterior Led lighting to increase road safety and to enable communication with users
- Sensors integration in lighting systems
- Lighting for autonomous driving
- Sensor cleaning systems enabling autonomous driving in any conditions
- Experience of travelling with smart interior lighting

...

Looking for consortium to join

### PROJECT COOPERATION

#### Sensor cleaning systems enabling urban air mobility

We develop sensor cleaning systems enabling urban air mobility in any weather conditions.

Looking for consortium to join

# Vias institutite

## R&D Institution

Country	Belgium
City	Brussels
Street	Haachtsesteenweg, 1405
Web	<a href="http://www.vias.be">http://www.vias.be</a>



## Contact

Name	Wouter Van den Berghe
Role	Research Director



## Description

Vias institute is an independent centre of expertise, mainly active in the field of road safety, but increasingly also in mobility, safety, security and health. It is located in Brussels and has over 130 staff members. Activities include research, consulting, training, communication, audits, certification and accreditation.

## Areas of Activity

- MG-2-11-2020: Network and traffic management for future mobility
- MG-3-8-2020: 'First of a Kind' solutions for sustainable transport and mobility: EU initiative for accelerating EU-wide market access, scale up and derisking
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-2-14-2020: The effects of automation on the transport labour force, future working conditions and skills requirements
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

## Marketplace Opportunities

## PROJECT COOPERATION

### MG-2-12-2020 - Monitoring and testing fitness to drive and development of tools for better testing of substances

We are developing a consortium for responding to this call and are still looking for (1) bus companies and transport operators willing to cooperate in novel tests of fitness to drive (fatigue, substance abuse, ...) and (2) universities, research institutes or high tech companies developing new methods and tools for substance use

# WiSAR Lab, Letterkenny Institute of Technology

## University

Country	Ireland
City	Letterkenny
Street	Port Road, Letterkenny, Co. Donegal, Ireland
Web	<a href="http://www.lyit.ie">http://www.lyit.ie</a>



## Contact

Name	Jim Morrison
Role	Head of Department of Electronics and Mechanical Engineering



## Description

Letterkenny Institute of Technology is a higher education institute in Ireland. The WiSAR Lab is its largest research group and has been in operation since 2004. WiSAR Lab is an industry focused lab that specializes in high TRL projects in embedded systems. Previous projects have included PV micro-inverters, EV chargepoint controller and MIS system, Low-power traffic signal systems and general industrial control (with IoT connectivity)

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use

# yeşilova holding

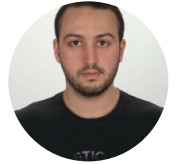
## Large Company

Country	Turkey
City	bursa
Street	Bursa, Türkiye



## Contact

Name	Berkcan Terzioğlu
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## Description

Yesilova Holding has been manufacturing industrial products from aluminium for half a century. Not only does it serve a number of sectors that utilize aluminium, it is also specialised in the field of automotive. It contributes to the sustainability of the world, with its 9 companies and over 1.000 employees.

## Areas of Activity

- LC-BAT-12-2020: Novel methodologies for autonomous discovery of advanced battery chemistries
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries
- LC-BAT-14-2020: Self-healing functionalities for long lasting battery cell chemistries
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-8-2020: Next-generation batteries for stationary energy storage
- LC-BAT-10-2020: Next generation and realisation of battery packs for BEV and PHEV
- LC-BAT-11-2020: Reducing the cost of large batteries for waterborne transport
- LC-BAT-9-2020: Hybridisation of battery systems for stationary energy storage
- LC-BAT-15-2020: Coordinate and support the large scale research initiative on Future Battery Technologies
- DT-ART-05-2020: Efficient and safe connected and automated heavy-duty vehicles in real logistics operations
- LC-GV-06-2020: Advanced light materials and their production processes for automotive applications
- LC-GV-07-2020: Reducing the environmental impact of hybrid light duty vehicles
- LC-GV-09-2020: Setting up a common European research and innovation strategy for the future of road transport

# Yildiz Technical University

## R&D Institution

Country	Turkey
City	Istanbul
Street	E Block 204 YTU Campus Yildiz Besiktas
Web	<a href="http://bcyalcin.weebly.com">http://bcyalcin.weebly.com</a>



## Contact

Name	Baris Yalcin
Role	Researcher



## Description

Magnetic Levitation Laboratory working at Yildiz Technical University

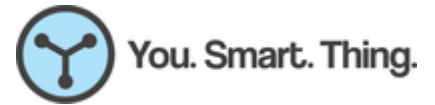
## Areas of Activity

- MG-2-13-2020: Coordination and support for an integrated freight transport and logistics system
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- LC-GV-08-2020: Next generation electrified vehicles for urban and suburban use
- LC-BAT-13-2020: Sensing functionalities for smart battery cell chemistries

# You.Smart.Thing Ltd

## SME

Country United Kingdom  
City Birmingham  
Street



## Contact

Name Patrick Barth  
Role Market Development Director



## Description

You. Smart. Thing. empowers individuals and organisations to access and share sensitive information throughout supply-chains, on a 'need-to-know' basis. It reduces the overheads and complexity of managing data privacy and systems integration, whilst generating customer value, loyalty and operational efficiency

## Areas of Activity

- LC-MG-1-12-2020: Cities as climate-resilient, connected multimodal nodes for smart and clean mobility: new approaches towards demonstrating and testing innovative solutions
- MG-2-12-2020: Improving road safety by effectively monitoring working patterns and overall fitness of drivers
- MG-3-6-2020: Towards sustainable urban air mobility
- MG-4-7-2020: Digitalisation of the transport system: data sharing
- MG-4-8-2020: Advanced research methods and tools in support of transport/mobility researchers, planners and policy makers
- MG-4-9-2020: The European mobility culture of tomorrow: Reinventing the wheel?
- DT-ART-06-2020: Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars