Interesting 2020 Transport Topics

Mario Barile – Business Developer
Industry and Security Research & Innovation Lab

ENGINEERING

Engineering at a Glance

CONTINUOUS GROWTH

€ 1.18 Bn
Revenues FY18

30+
Years of Continuous Growth

A GLOBAL COMPANY

11.000+
Associates

50+
Offices around the world

Global HQ
Rome, Italy

BASED IN EUROPE NORTH AMERICA LATIN AMERICA

Worldwide
Delivery

ASSET

18+
Companies within the Group

11+
Cross-BU Competence Centres

4
Data Centers

10 petabyte
Data Handled

21.000
Servers managed

250.000
Workplaces managed

Tier IV

RESEARCH & INNOVATION

40 Mil €
Investments

420+
Data Scientists & Researchers

80+
Live Research Projects

160k
Training hours by our Academy

200+
Innovators

WHAT WE DO

**Software Maker
Service Provider
System Integrator
Digital Platforms**

Industry and Security Technologies (IS3)

Security, Enterprise, Logistics

Director:
Vito Morreale

Innovation Manager:
Véronique Pevtschin

The overall mission is to study, analyse, and adopt novel technologies to define and develop innovative services, applications, and intelligent systems in the domains of **Security, Enterprises, Transport, and (Critical) Infrastructures**.

A key focus is also the adoption of social software and computing in order to enable and support social business initiatives and paradigm in any organizational context (i.e. enterprises, working groups, research, law enforcement, etc.).

Security Cyber Security Security Intelligence Border and External Security
Smart and Collaborative Enterprise Factory of the Future Smart farming Social Business
Smart Transport and Infrastructure Intelligent Transport Systems Logistics CIP
Social Software and Collective Intelligence Big data Analytics BlockChain

Topic ID	Topic	Deadline	Budget (M€)
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	09/01/2020	7-9
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	09/01/2020	4-5
MG-2-11-2020	Network and traffic management for future mobility	09/01/2020	4-5
MG-3-6-2020	Towards sustainable urban air mobility	21/04/2020	4-6
MG-4-7-2020	Digitalisation of the transport system: data sharing	21/04/2020	2-3
DT-ART-06-2020	Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars	21/04/2020	15-30

What Engineering can offer

- Extensive research experience in critical infrastructure cyber-physical security / coordinator of two Large Scale Pilots on critical infrastructure (DEFENDER, INFRASTRESS)
- Innovative Data Fusion / Processing capabilities
- Situational Awareness / Visualisation tools
- Availability of a Cloud Data Centre located in Italy (European based hosting)
- Possibility to setup/organise Use Cases, Pilots, Living Labs in Italy
- Link with relevant European initiatives such as BDVA, EOS, ECSO

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

Budget: 7-9 M€
Deadline: 09/01/2020
Type: IA (Two-Stages)

What ENG can offer:

- Possibility to setup a Living Laboratory in an Italian TEN-T node (e.g. Genova)
- Contribution to the development of a tool supporting planning and policy making
- Heterogeneous data integration by means of the Digital Enabler asset
- Provision of situational awareness visualisation tools

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

Budget: 4-5 M€
Deadline: 09/01/2020
Type: RIA (Two-Stages)

What ENG can offer:

- Extensive research experience in critical infrastructure cyber-physical security / coordinator of two Large Scale Pilots on critical infrastructure (DEFENDER, INFRASTRESS)
- Real-time and remote Big Data Analytics
- New detection technologies for threats, anomalies, remarkable events developed through a National research project
- Provision of situational awareness visualisation tools
- Possibility to setup a pilot demonstration in Italy

MG-2-11-2020

Network and traffic management for future mobility

Budget: 4-5 mln
Deadline: 09/01/2020
Type: RIA (Two-Stages)

What ENG can offer:

- Extensive research experience in critical infrastructure cyber-physical security
- Innovative data collection/fusion techniques
- Extensive research experience in decision support and situational awareness solutions for disaster management/resilience
- Possibility to involve a train operator
- Possibility to setup a pilot demonstration in Italy

MG-3-6-2020

Towards sustainable urban air mobility

Budget: 4-6 mln
Deadline: 21/04/2020
Type: RIA (Single Stage)

What ENG can offer:

- Extensive research experience in critical infrastructure cyber-physical security / coordinator of two Large Scale Pilots on critical infrastructure (DEFENDER, INFRASTRESS)
- Cyber Risk-based approach – coordinator of a project focused on developing a cyber risk assessment methodology and tool (HERMENEUT)
- Possibility to setup a pilot demonstration in Italy

MG-4-7-2020

Digitalisation of the transport system: data sharing

Budget: 2-3 mln
Deadline: 21/04/2020
Type: RIA (Single-Stage)

What ENG can offer:

- Innovative data collection/fusion techniques
- Availability of a cloud data centre located in Italy (European based hosting)
- Link with relevant international organisations such as BDVA
- Possibility to setup a pilot demonstration in Italy

DT-ART-06-2020

Large-scale, cross-border demonstration of connected and highly automated driving functions for passenger cars

Budget: 15-30 mln
Deadline: 21/04/2020
Type: RIA (Single-Stage)

What ENG can offer:

• Advanced cyber-risk assessment knowledge and tool
• Secure information collection
• Possibility to setup a pilot demonstration in Italy

Contacts

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