



## **Emre Elmas**

Farplas, Fundraising and Project Responsible, Directorate of Innovation

#### **Contact Details**

emre.elmas@farplas.com www.farplas.com.tr +90 538 091 4922





# Farplas Automotive, Turkey Tier 1 Automotive Supplier

With its 50 years experience, Farplas is a leading automotive Tier1 company in its region and an international player in the global automotive supply industry and smart mobility ecosystem.

### **Farplas**

- designs,
- develops and
- manufactures

vehicle sub-assemblies and novel mobility technologies within Turkey and around the world.

### **EU Project Experiences**

- MultiCycle
- Comodif (EUREKA)







































**Comodif,** Turkey's leading connected cars platform with more than 5000 connected vehicles. Providing platform solution to 1 telecom and 2 OEMs in Turkey



**Duckt,** World's first universal electric kick scooter charging station



# Public transportation and MaaS integrated first/last-mile urban mobility solution

#### **Project description**

Designing a multi-use, lightweight electric kick-scooter for shared and personal mobility in urban life. The project gives integration of first/last-mile solutions to city's inter-model transportation systems without creating mess in the city by having dedicated parking and charging infrastructure.

### **Urban light personal mobility**

- Multi-purpose electric kick-scooter design
- IoT software at different levels for urban mobility
- Micro vehicles integrated transport systems
- Durable battery technologies for urban needs
- More flexible and light scooter by using lightweight materials
- Kick-scooter charging station integrated with city's multi-model transport options

#### Consortium

- Farplas
  - Design and lightweighting materials partner
  - Universal scooter charging station
  - Connected car platform for mobility services

#### **Required Partners**

- · Mobility service provider
- Electric kick-Scooter manufacturer
- Municipality for first testing
- Research institutes: Implementation of technology and searching socio-economic issues
- Battery technology provider



# Connected and autonomous capable electrified vehicle solutions for multi-passenger use

#### **Project description**

Designing a connected, flexible and modular multi-passenger autonomous ready electric vehicle for sharing and personal use.

### Light and flexible multi-passenger vehicles

- Vehicle up to M1 category with connectivity, flexible and modular multi-passenger vehicle design
- Energy efficient and lightweight materials
- Advanced battery technologies
- IoT software at different levels for urban mobility

#### Consortium

- Farplas
  - Design and lightweight partner
  - Connected car platform provider
  - On-board charging system provider

#### **Required Partners**

- Mobility service provider
- OEM
- Test bed for first PoC (city or private areas)
- Research institutes for implementation of technology and searching socio-economical needs and issues that lead using electrified scooter
- Battery technology provider
- Charging infrastructure partner



## Connected EV for multiple commercial use in urban areas

### **Project description**

Designing a connected electrified vehicle design for commercial use(shared up to N1 category). To increase efficient range and battery life, lightweighted materials and advanced battery technologies will be used. Vehicle will provide affordable and acceptable acquisition cost and significantly lower operational expenditure while focusing on particular urban usage needs.

### Rightsized vehicles for commercial uses

- Electric vehicle up to N1 category includes connectivity features designed for commercial use
- First/Last mile integration for delivery
- Energy efficient and lightweight materials
- Advanced battery technologies
- IoT softwares at different levels for urban mobility
- Climatized cargo space with high efficiency

#### Consortium

- Farplas
  - Design and lightweight partner
  - Connected car platform provider
  - On-board charging system provider

#### **Required Partners**

- OEM
- Research institutes for implementation of technology and searching socio-economical needs and issues that lead using electrified scooter
- Battery technology provider
- Charging infrastructure partner
- HVAC provider for EVs



## **THANK YOU!**

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