



This project is co-financed by the  
European Union and the Republic of Turkey

Bu proje Avrupa Birliđi ve Türkiye Cumhuriyeti tarafından  
finanse edilmektedir



TURKEY<sup>in</sup>  
**HORIZON 2020**  
COOPERATION. INNOVATION. COMPETITIVENESS

Technical Assistance for Turkey in Horizon 2020 Phase-II  
EuropeAid/139098/IH/SER/TR

# Turkey in Horizon 2020 II

## Regional Aspect and the Turkish Approach

### Emre Elmas – Farplas/Fark Labs

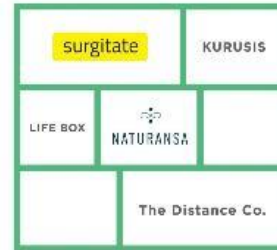
**General and Introductory Training on  
Cluster 5: Mobility**

**2 June 2021**



**REPUBLIC OF TURKEY  
MINISTRY OF INDUSTRY  
AND TECHNOLOGY**





Izmit Istanbul Ankara Bodrum  
Paris Seoul

# Industrial Operations

Established in 1968...



# Industrial Products



# Strategy and Innovation

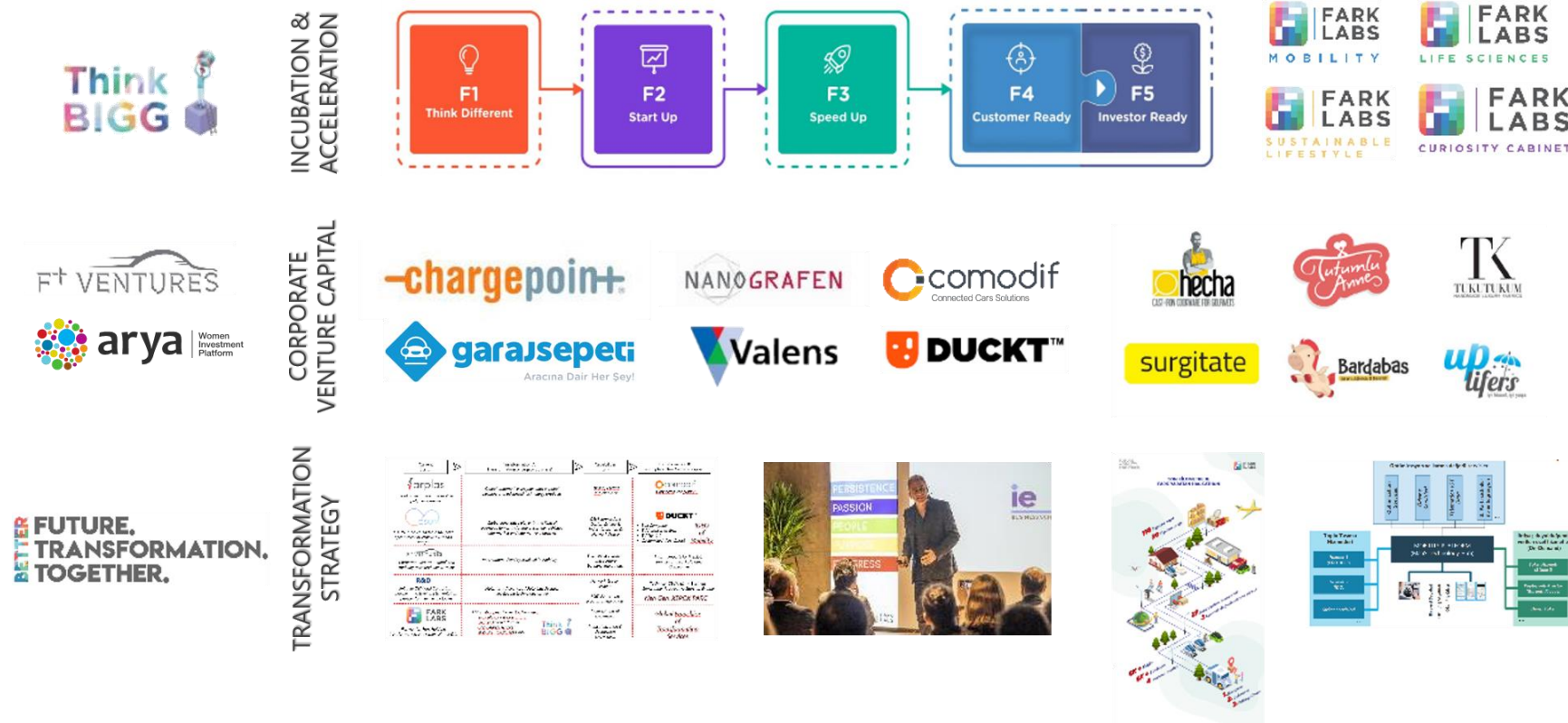


# Strategy and Innovation





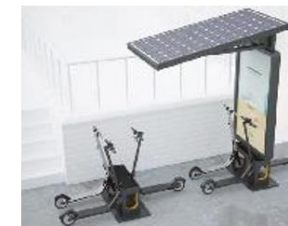
# Main Activities of Fark Labs



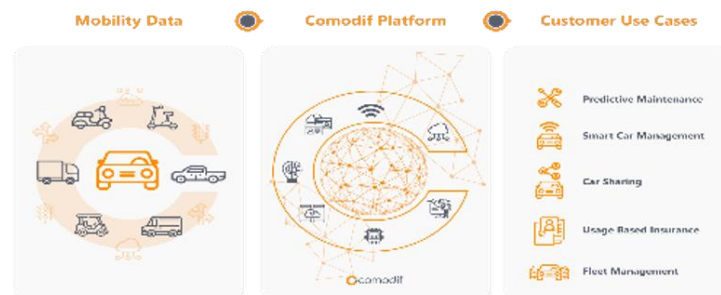
# Mobility Investments



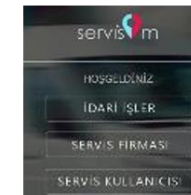
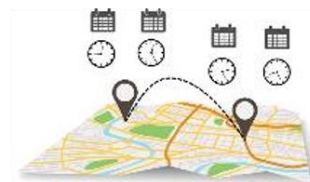
MICRO  
MOBILITY



CONNECTIVITY



EMPLOYEE  
EXPERIENCE





# Farplas in European R&D Programmes



Circularity and  
recycling of materials



Recycling,  
lightweighting and AI



Human-robot collaboration  
and image processing



IoT applications



Innomotion

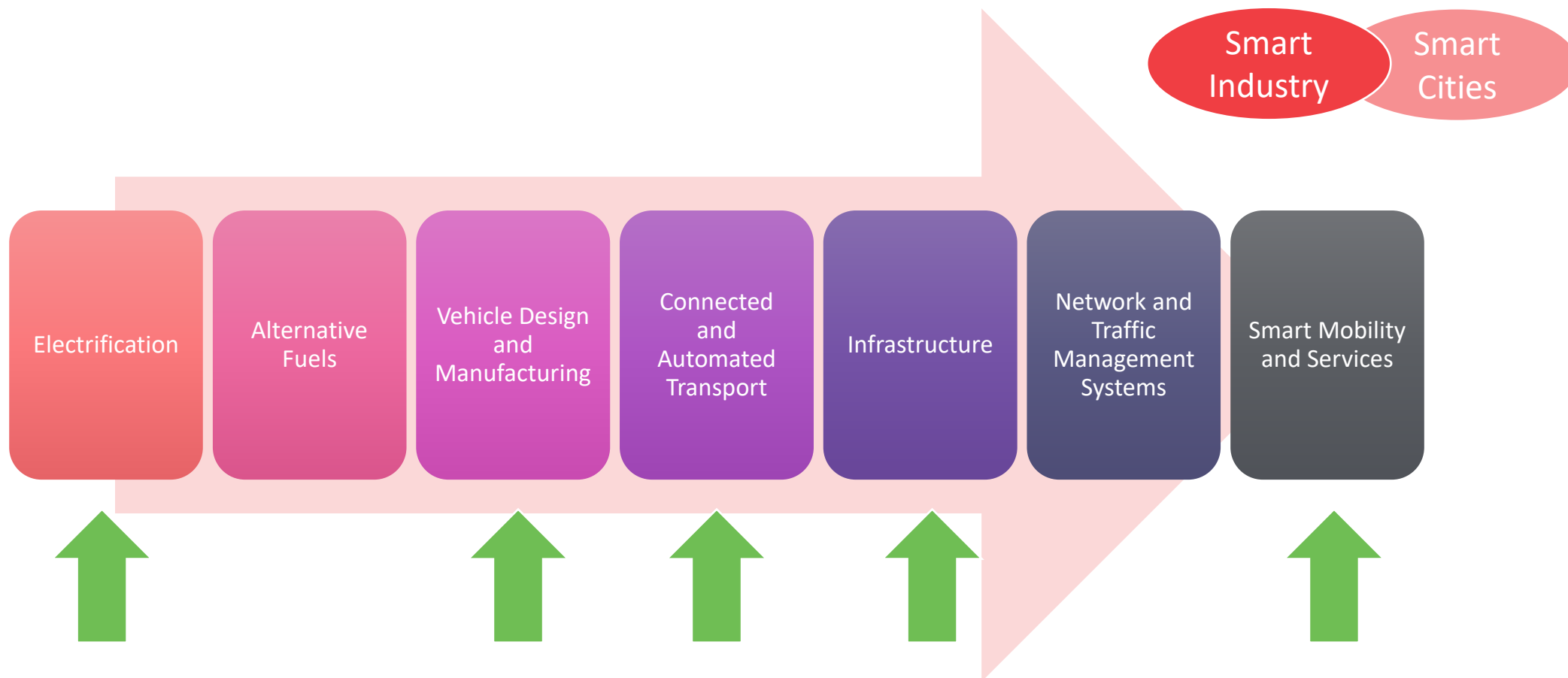
Accelerator program  
for start-ups



Coreback-  
CFMTech

Lightweighting and  
new manufacturing  
technologies

# Mobility and Transportation in Horizon Europe



# Automotive Industry in Turkey



**USD 15 billion**

Total investment volume of global brands in the Turkish automotive industry since 2000.



**1.5 million**

Number of vehicles produced in Turkey in 2018.



**2<sup>nd</sup>**

Turkey's rank in commercial vehicle production in Europe.



**5<sup>th</sup>**

Turkey's rank in Europe's automotive production list.



**15<sup>th</sup>**

Turkey's rank in the global automotive production.



**85%**

Average export rate of OEMs in Turkey.



**12%**

CAGR of the vehicle market in Turkey for 2002-2017.



30 of the top 50 global suppliers have production facilities in Turkey.



**430+**

Number of tier-one suppliers in Turkey.



**152**

Number of suppliers' R&D and design centers accredited by the Ministry of Industry and Technology in Turkey.

# As a Turkish Company: Farplas in Horizon Europe

Recycled &  
Recyclable Vehicles  
Trim Parts

Electric Vehicles

Lightweighting

Batteries



AI, Machine  
Learning and IoT in  
Manufacturing

Smart Mobility  
Solutions

Micromobility  
Vehicles

Connected Vehicles



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