







# Brainport Pilot Site



Providing real-time car sharing with automated driving functionalities

AUTOPILOT targets users between two cities (Helmond and Eindhoven) in the region of Brainport that are requesting car transport through different IoT enabled services. The user can select ride-sharing or car-sharing options, and can opt for different levels of automated driving.

## Driving Modes

-  Urban Driving
-  Valet Parking
-  Highway Pilot
-  Platooning

## Driving Services

-  Real-time Car Sharing
-  Driverless Car Rebalancing

## Pilot Leaders



## Key Performance Indicators

Urban Driving	Large community vulnerable road user detection (> 1000 persons)
Valet Parking	Three different vehicle types, variety of routes
Highway Pilot	Detection of five different road incidents
Platooning	Uninterrupted crossing of intersections
Car sharing	Waiting time less than one minute from reservation



Tampere



Versailles



Livorno  
Florence



Brainport



Daejeon



Vigo



Urban Driving



Automated Valet Parking



Car Sharing



Highway Pilot

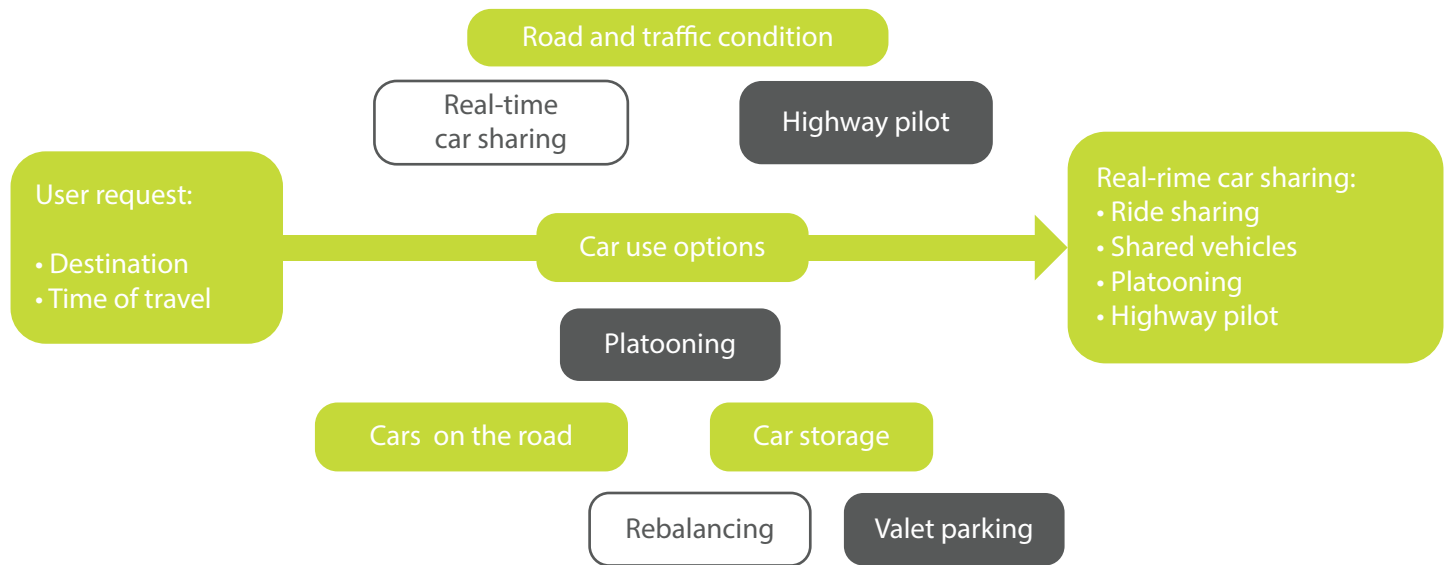


Platooning



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## Integrated services:

The Brainport site will provide various options for car travel. Road and traffic situations are assessed, resulting in route options for automated driving. Different automated driving vehicles can be on-route or be obtained from storage or through rebalancing.

## Extensive IoT utilisation:

A great variety of IoT sources are involved such as road-side cameras (e.g. from A270 test site), traffic lights, drones, smartphones (VRU and legacy vehicles), automated vehicles and more.



## Pilot Partners



### ABOUT AUTOPILOT

Our mission is to bring together relevant knowledge and technology from the automotive and the IoT value chains in order to develop IoT- architectures and platforms, which will bring Automated Driving to a new dimension.

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- Project Duration: 01/01/2017 – 31/12/2019
- Consortium: 45 beneficiaries, coordinated by ERTICO
- Project Cost: €25,425,252
- EU Contribution: €19,924,984 under Horizon 2020  
Grant Agreement No. 731993