





# Livorno Pilot Site



IoT assisted automated driving in “smart roads”

IoT enabled manoeuvres are demonstrated with AD cars traveling from Florence to Livorno. “Sixth sense” IoT devices are deployed in the car and along the roads in both the highway and the urban area. The Traffic Control Centre with DATEX-II node and the oneM2M platform are preeminent assets in the testbed.

## Driving Modes

-  Highway Pilot
-  Urban driving

## Driving Services

-  Sixth sense driving
-  Connected-eHorizon

## Pilot Leader



## Key Performance Indicators

Highway Pilot	More than one hundred hours in real traffic situations
Urban Driving	Two kilometer test track under real-life conditions
VRU Communication	LTE, NB-IoT, 6LoWPAN, ITS G5 and 802.11 b/g/n networks



Tampere



Versailles



Livorno  
Florence



Brainport



Daejeon



Vigo



Urban Driving

Automated Valet Parking

Car sharing

Highway Pilot

Platooning



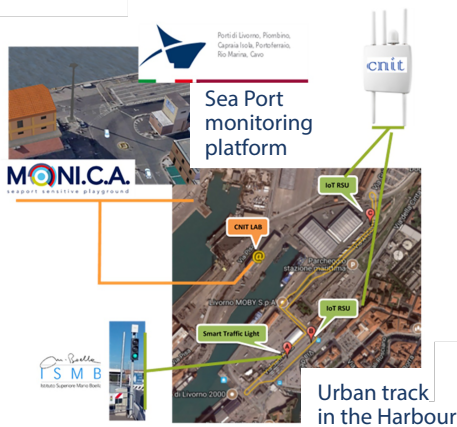
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## Highway scenario:

The highway SGC Fi-Pi-Li (Florence-Pisa-Livorno) has been adapted as "smart road" in order to allow the piloting activities:

- A DATEX II node has been deployed for real time traffic information
- A pervasive sensing infrastructure has been deployed.



## Urban scenario:

A road circuit inside the free public area of Livorno Sea Port has been equipped in order to test vulnerable road users warnings at traffic light intersection.

## Pilot Partners



## Supported by

### 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.

Project Duration: 01/01/2017 – 31/12/2019  
 Consortium: 45 beneficiaries, coordinated by ERTICO  
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