AUTOPILOT

Tampere Pilot Site

Traffic cameras assist in improving efficiency and safety of AVs

Two driving modes are demonstrated: Automated Valet Parking and Urban Driving (Intersection Support). In both driving modes traffic cameras assist the automated vehicle in performing its driving task.

Driving modes

Urban Driving

Automated Valet Parking

Pilot Leader

VTT

Key Performance Indicators

Automated Valet Parking	Improved efficiency through camera support
Intersection Support	Improved safety through VRU detection by camera
VRU Communication	4G/pre5G and ITS-G5

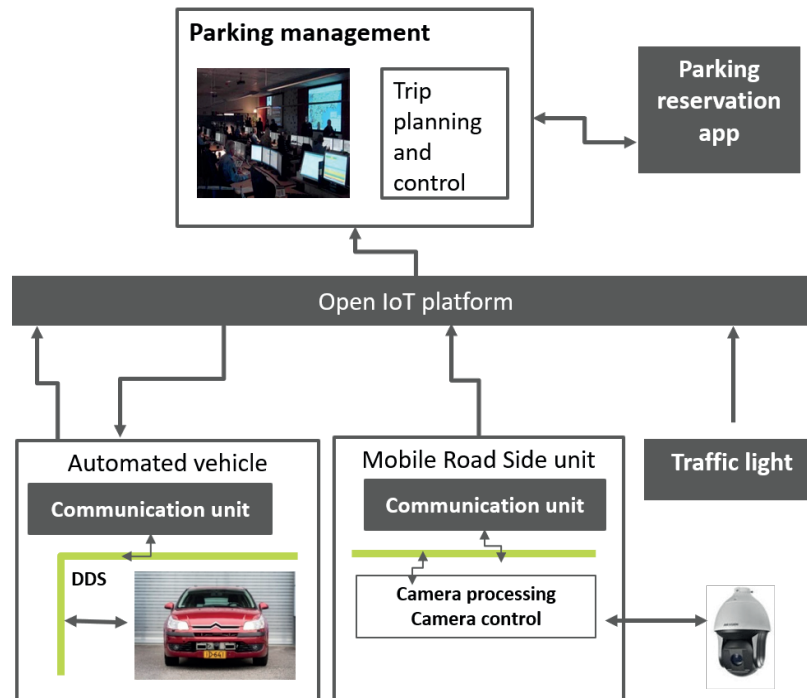|	Tampere	Versailles	Livorno Florence	Brainport	Daejeon	Vigo	
Urban Driving	●	●	●	●	●	●	
Automated Valet Parking	●			●		●	
Car Sharing		●		●			
Highway Pilot			●	●			
Platooning			●	●			

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Traffic cameras:

Assist in detecting objects and Vulnerable Road Users outside the range of the vehicle sensors. They hence provide valuable information for planning parking tasks incl. routing and for assuring the safety of all road users at intersections.

Parking space reservation:

A parking space reservation application assures a place is available for the automated vehicle when arriving at the parking area.

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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