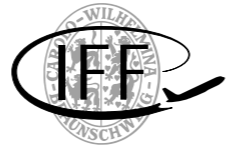




VOLKSWAGEN  
AKTIENGESELLSCHAFT

TeleAtlas



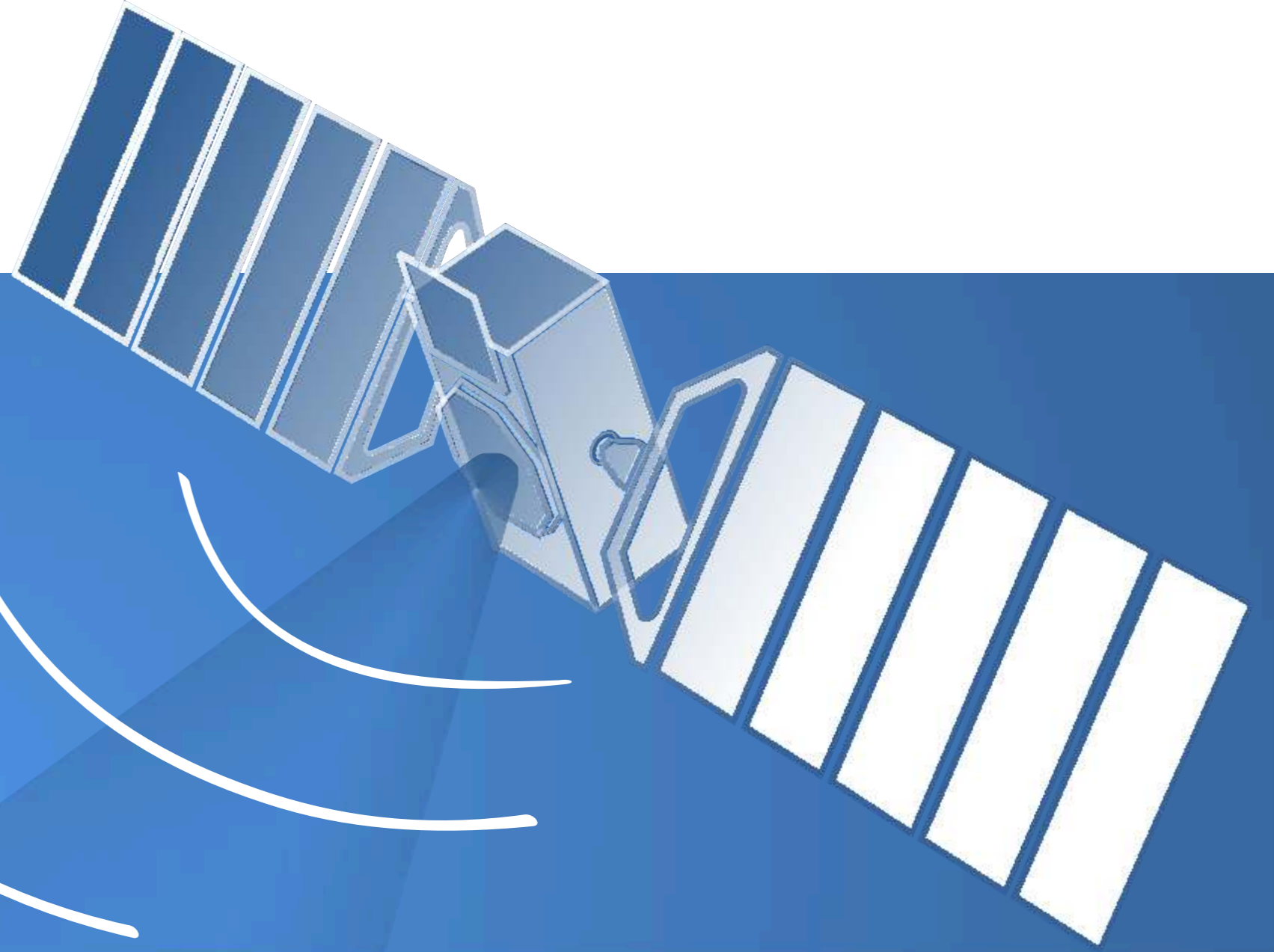
NavCert

TeleConsult  
AUSTRIA

Fraunhofer  
IIS

INSTITUT DE  
GEOMÀTICA

The  
4 2 5  
Company Ltd



URBAN ASSIST

Galileo / EGNOS

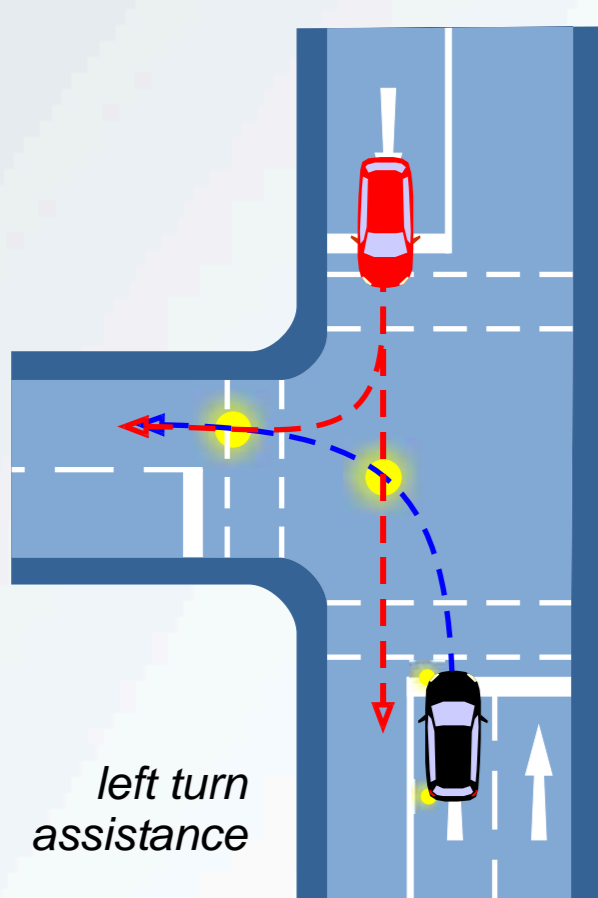
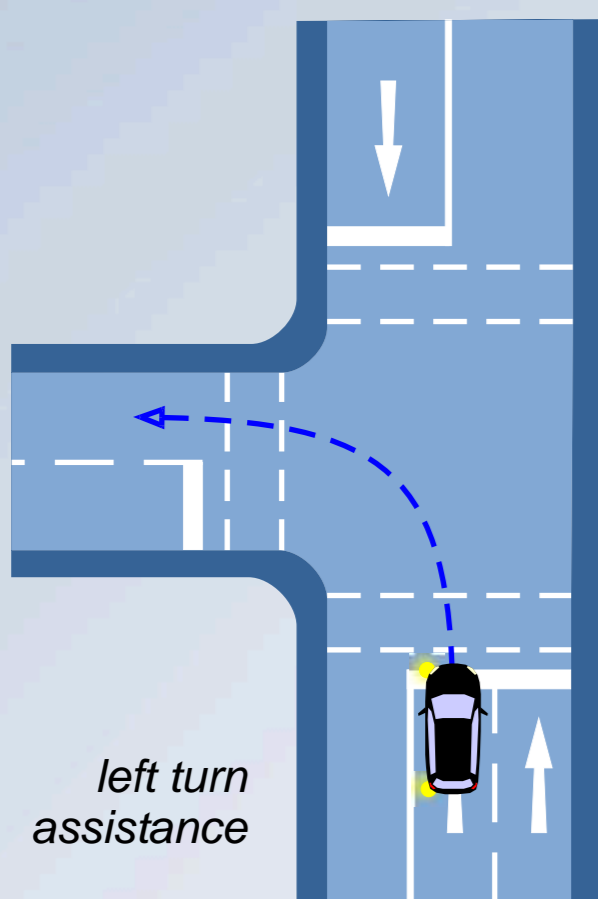
Enhanced

Driver Assistance

# GENEVA

## System Components

- ▶ **Vehicle Sensors:** describe the current state of the car and the driver interactions by measuring wheel ticks, spring deflections, pedal states, or indicator states
- ▶ **Localisation Unit:** provides time stamped car state (position, heading, velocity, acceleration, yaw rate)
- ▶ **Image Processing Unit:** detects road markings
- ▶ **Laser Scanner:** detects stationary and dynamic objects in front of the car
- ▶ **Car2X Unit:** connects with infrastructure and other road users
- ▶ **Environment Perception Unit:** provides a consistent environment model of the surrounding of the car
- ▶ **Interpretation Unit:** interprets the traffic scene
- ▶ **Application Unit:** applies the appropriate warning strategies and collision avoidance measures



[www.geneva-fp7.eu](http://www.geneva-fp7.eu)