



Live demos & showcases of Compass4D services and other ITS applications (outdoors)

Demos in DITCM experience centre (indoors)

12:15 – 14:00

OUTDOOR DEMOS

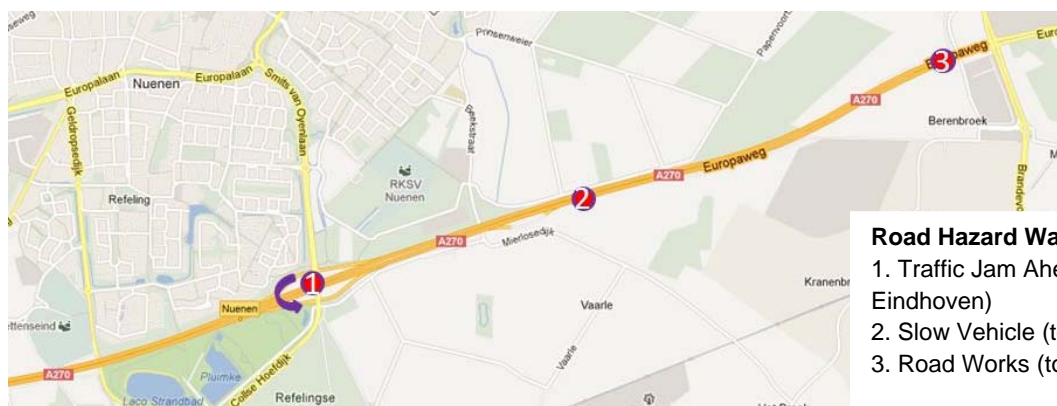
Compass4D services:

- Energy efficiency intersection
- Road hazard Warning
- Red light violation

The demo tour will give an overview of the Compass4D Helmond-Eindhoven pilot site and its services. The tour will include a drive in a bus on the A270 motorway which is part of the Dutch Integrated Test site for Cooperative Mobility and it is equipped with 48 detection cameras and 11 roadside units. On the first part of the A270-motorway, the Road Hazard Warning service will be shown several times. After this, the drive will bring participants to 7 of the 19 C-ITS equipped signalised intersections in Helmond. At these traffic signals the Energy Efficient Intersection service will be shown. Along the way the Road Hazard Warning and Red Light Violation Warning services will be shown by emergency vehicles.

The bus will depart from the Automotive House entrance. The tour will last about 30 minutes.

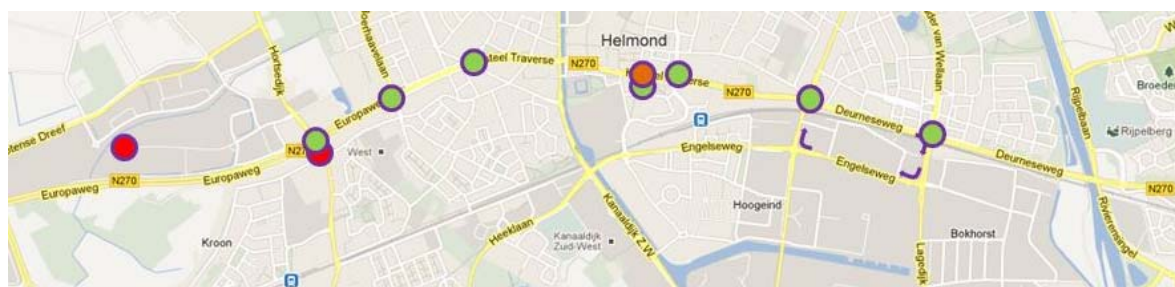
A270 Highway (direction Helmond-Eindhoven)



Road Hazard Warning

1. Traffic Jam Ahead (to Eindhoven)
2. Slow Vehicle (to Eindhoven)
3. Road Works (to Helmond)

Helmond Urban (N270)



- Red Light Violation Warning - Other violation (traffic light)
- Energy Efficient Intersection Service - GLOSA, Green Priority, Start Delay Prevention
- Road Hazard Warning
 - @ Automotive Campus - Emergency Vehicle Warning
 - @ Hortsedijk (at start demo) - Surface condition





Mobileye Advanced Driver Assistance System

Mobileye is a safety solution for collision prevention. The system includes a smart camera located on the front windshield inside the vehicle. Mobileye is used to detect traffic signs, measure the distance between vehicles, lane markings and pedestrians, and provide the driver with life saving alerts.

The Mobileye Advanced Driver Assistance System will be demonstrated in a Opel Ampera outside the Automotive House.

Cooperative AEB for cyclists

This is a prototype cooperative AEB system (C-AEB) for bicycle collision avoidance. The technology is based on ITS-G5 wireless communication, GPS, motion sensors, radar and camera sensors, information fusion, object tracking and AEB control algorithms. The technology will be demonstrated using a Toyota Prius and a (dummy) bicycle. with the scope to show that wireless communication can provide early object detection, classification and improve safety performance in crossing scenarios.

The demonstration is at the parking place in front of the Automotive House.

Helmond - city of Smart Mobility

The Renault Twizy is a battery-powered two-seated electric vehicle with a maximum range of 100 km. The Twizy was the top selling plug-in electric vehicle in Europe in 2012.

Take a ride outside the Automotive House.

Benteler Engineering Services develops progressive “Metropolis” concept for MAN truck and bus

The MAN Metropolis is a plug-in hybrid waste collection vehicle that operates at extremely low noise level without any CO₂ emissions. The vehicle energy storage, a lithium-ion battery in modular construction, is located beneath the cab, guaranteeing maximum space for the driver, optimal weight distribution and the highest safety levels.

A visit to the truck is available outside the Automotive House

Vanderbroek Logistics

Van den Broek Logistics will show one of their trucks involved in both the FREILOT and the Compass4D projects. A driver will share with participants experiences of C-ITS from the end user perspective.

INDOOR DEMOS

Boardroom

Cyclist mobility in cities: presentation and open discussion inside the Automotive House: *how can ITS help to improve road safety for cyclists?*

DITCM Experience Centre

The Dutch Integrated Testsite Cooperative Mobility (DITCM) welcomes you to the newly opened DITCM experience centre with a DITCM Innovations programme. An explanation of projects like Architecture, Cybersecurity, Human Factors, an interactive green light demo and various films of tests at DITCM pilot sites (A270 / N270) will be shown

