

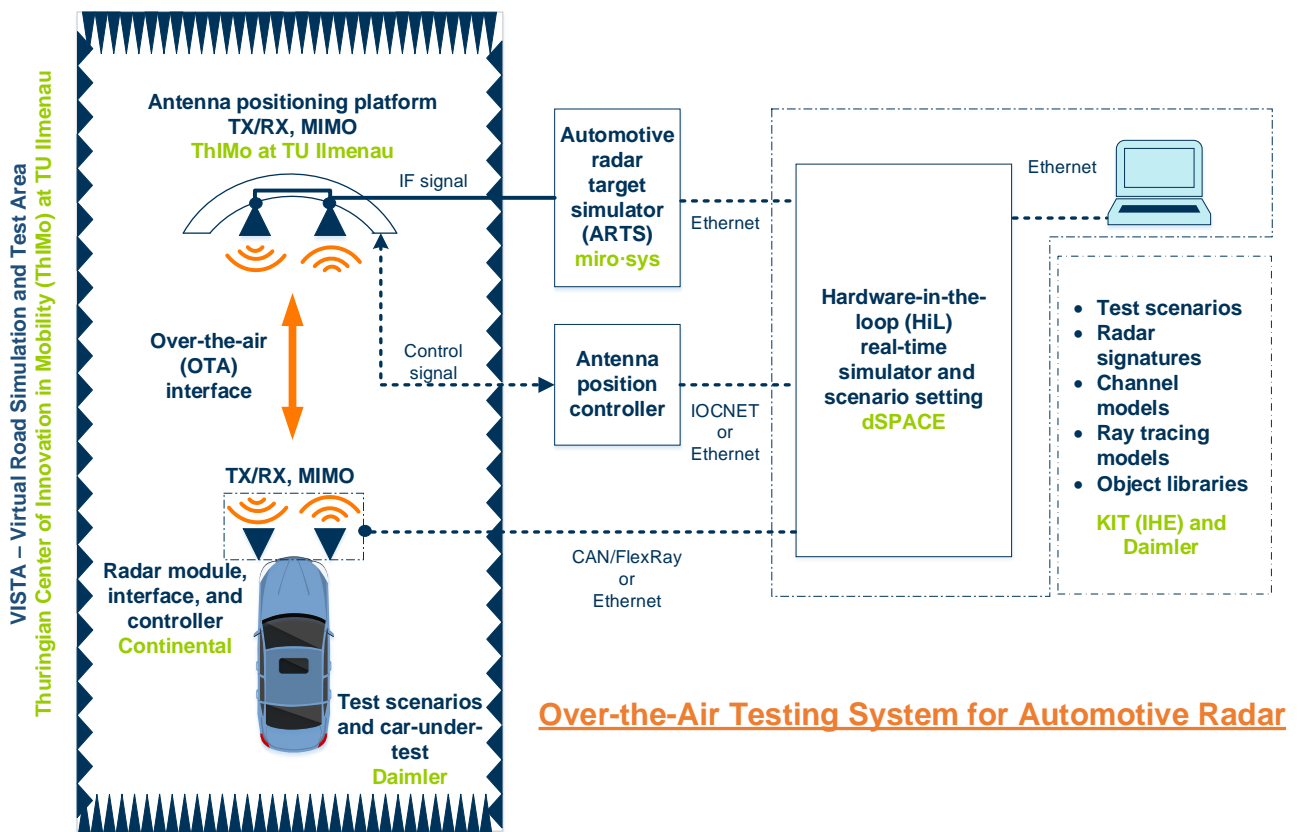
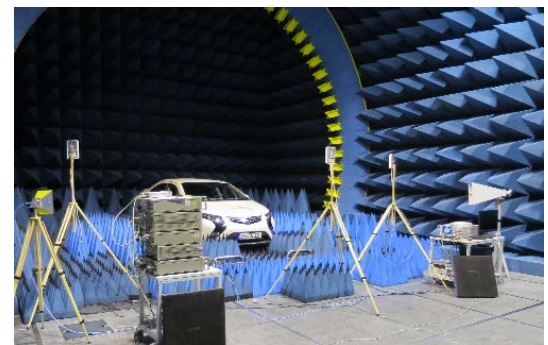
# Wireless and Information Technologies

## 2. Measurement Systems



### Testbed for system evaluation of automotive radar

- Digital radar target simulator
  - Automotive Radar Test System
  - Simulation of Doppler shift and variable RCS
  - Type: ITS-9510CRD ARTS
  - Frequency range: 75...82 GHz
  - Chirp processing bandwidth: 1000 MHz
  - Minimal Distance: 7.5 m
  - Maximal Distance: 700 m
  - Range increments: 5.6 cm
  - No. of transmit modules: 4
- Hardware-in-the-Loop (HiL) test system Scalexio E31275 with ControlDesk, ConfigurationDesk, and AutomationDesk
- Over-the-air tests for automotive radar systems in VISTA
- Spectral analysis up to 110 GHz including analysis of modulation content up to 4 GHz bandwidth



**Over-the-Air Testing System for Automotive Radar**