

# Support for Automated Driving

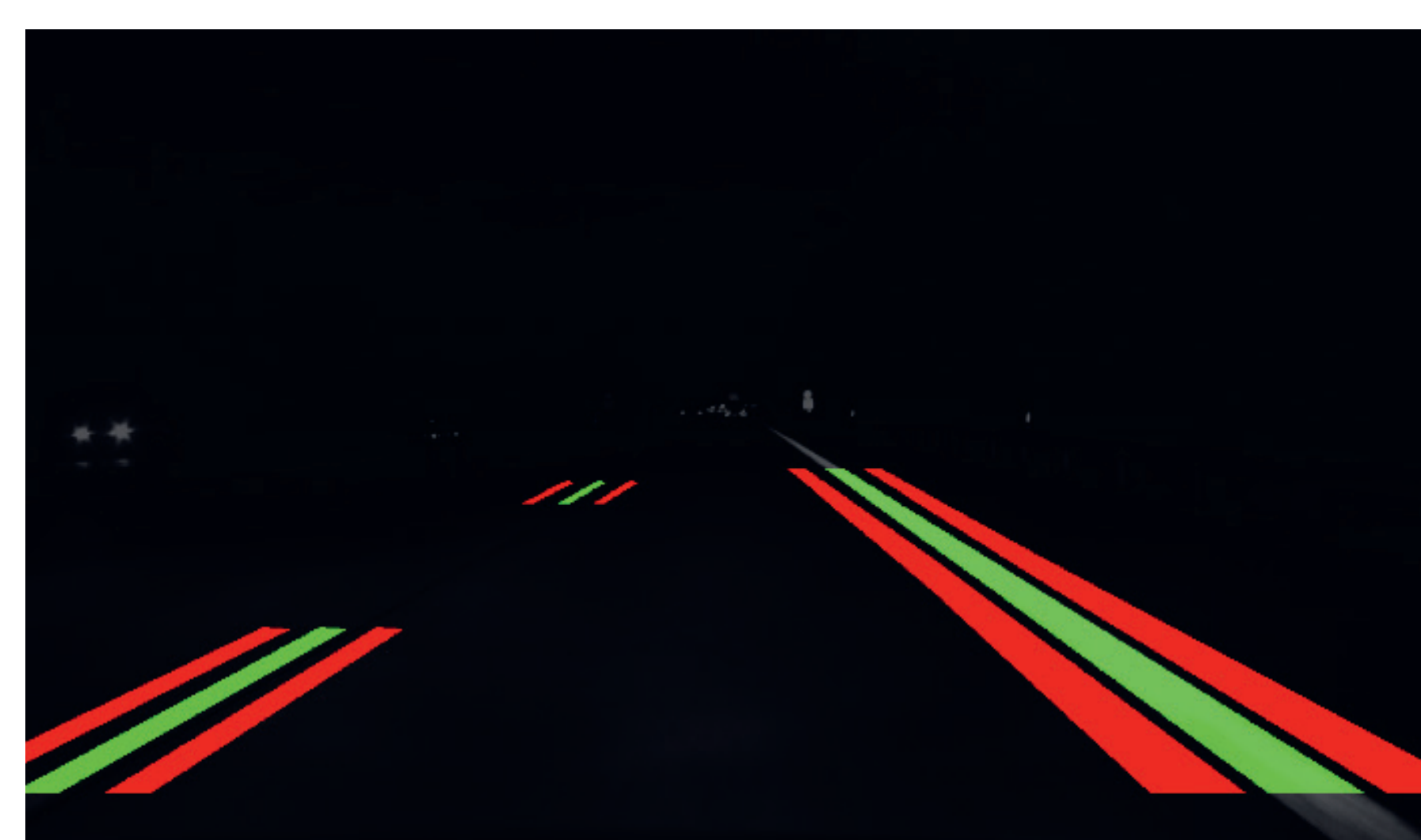
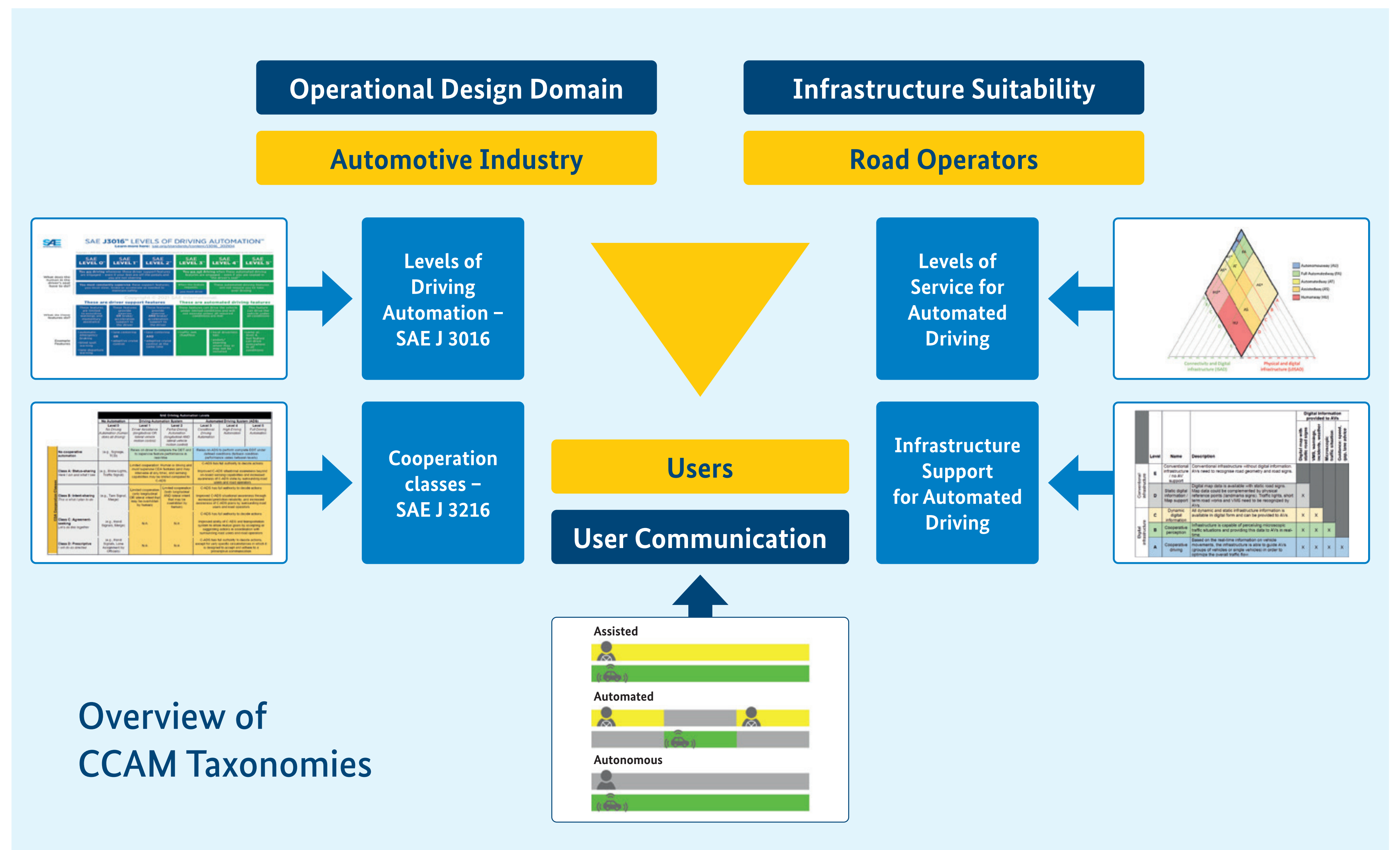
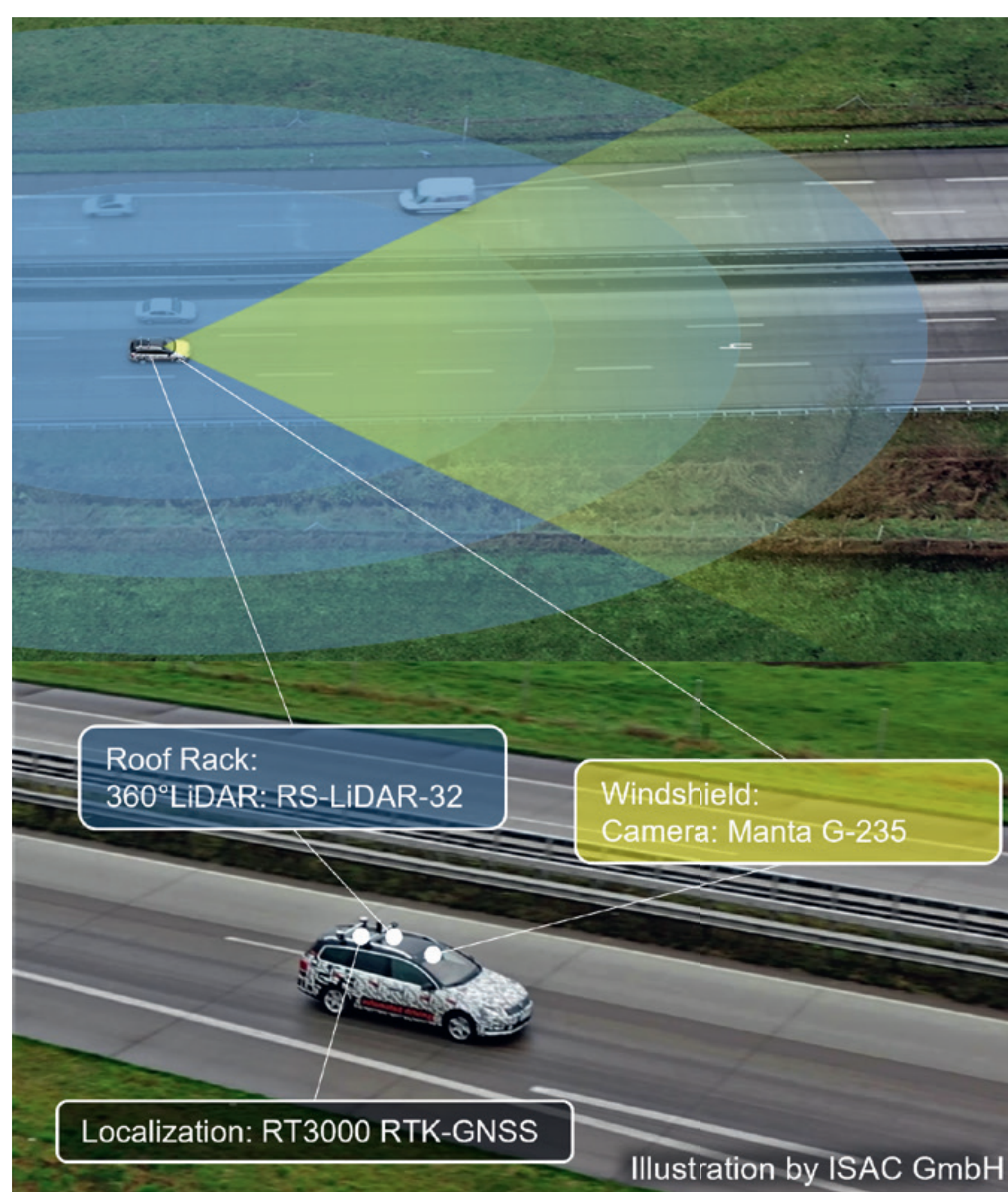
## Importance of road markings for the Connected and Automated Driving (CAD) in the foreseeable future:

- Which modifications of road markings are suitable to support the introduction of automated vehicles?
- How do today's requirements on road markings for the human driver correlate with future demands for CAD?

Research project conducted on behalf of BAST to gain knowledge on road marking parameters relevant for machine detection. The BAST is participating in the ongoing international technical discussion:

- Expert Group on Road Infrastructure Safety (EGRIS), SG 1 "Road Markings & Signs"
- Further development of the CEN European standard for road markings to take CAD into account
- Development of recommendations for road markings for CAD in the FGSV e. V.

Driving tests with a vehicle equipped with CAD-sensors



Machine detection of road markings during night-time driving (Picture: ISAC GmbH, Aachen)

## Taxonomies for Connected Cooperative and Automated Mobility (CCAM)

Taxonomies serve as common ground for joint action across sectors to support CCAM services from the infrastructure side, aiming at extending the Operational Design Domain (ODD) of automated vehicle functions. BAST provides an overview about

- Established and standardised classifications on vehicle side,
- Recent infrastructure based approaches,
- Automation from the user point of view (user communication).

Prospectively, the classifications can be summarised into a meta-taxonomy. Alternatively, the necessary cross-sector view can be built into a Distributed ODD Awareness Framework which ties together the information contributions of the different actors as it has been recently proposed by the TM4CAD project.

Further information →

