

TrustVehicle Consortium



TrustVehicle Hard Facts

- **Full Project Name:** Improved Trustworthiness and Weather-Independence of Conditionally Automated Vehicles in Mixed Traffic Scenarios
- **PROJECT COORDINATION:** Dr. Daniel Watzenig, VIRTUAL VEHICLE Research Center (Austria)
- **START:** 1st June 2017
- **DURATION:** 36 months
- **WEBSITE:** www.trustvehicle.eu
- **NUMBER OF PARTICIPATING ORGANIZATIONS:** 12
- **NUMBER OF PARTICIPATING COUNTRIES:** 7

Kick-Off Meeting in Graz



After the official start of the TrustVehicle project at the beginning of June, the Kick-Off Meeting took place at Virtual Vehicle in Graz from June 12-13 2017. All partners of the consortium came together to get to know each other, to present Work Packages

and to discuss the next steps. It was the beginning for a fruitful collaboration within the next 3 years.

F2F Meeting in Munich

Six months of project work went by and the partners met again in Munich to discuss the progress that was made and to define the next steps. An intense discussion on the use cases and scenarios brought a clearer view on the project focus of simulation and demonstrating. Of course there was enough time for socializing and discussions in a nice atmosphere.



H2020 Transport 1st ART projects Workshop

On December 12th 2017, the Innovation and Networks Executive Agency (INEA) invited all ART projects to Brussels, to give them the opportunity to introduce themselves and define areas of common interest. Our coordinator Daniel Watzenig presented the TrustVehicle project and discussed potential collaborations with the other projects.



Defined areas of future collaboration between all ART projects were:

1. Use Cases
2. Human Factors
3. Physical and Digital Infrastructure
4. Connectivity

TrustVehicle aims on the development of a strong liaison with its sister consortia [BRAVE](#) and [interACT](#). The first joint activities are already ongoing.

Public Deliverables

D2.1 Report on Traffic Road injuries

The report on Traffic Road injuries provides insight in the characteristics of road accidents. It shows that, men were more frequently involved in injuries than women, usually, men were the drivers and 61% of all fatalities occurred outside urban areas. In conclusion, nearly 30% of all road fatalities are covered by pedestrians (21%) and cyclists (8%), the so-called vulnerable road users. Also elderly represent an unexpected high risk category. The technology that will be developed in TrustVehicle project is intended to reduce these accidents. The challenge here will be to deal with unexpected speed and actions determined by other road users.

D2.2 Specification of Traffic Scenarios and Questionnaires

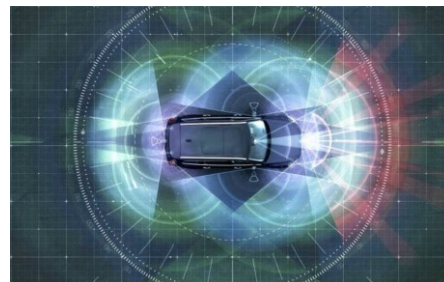
Driving tasks combine complex interactions between the driver, the vehicle, and his or her environment. It also includes other road users like pedestrians or human drivers. Understanding the interactions of humans with automated vehicles is crucial and highly relevant to the development of successful automated vehicles. Therefore, certain traffic scenarios for further investigation were defined.

Examples of defined scenarios:

Scenario 1: Construction site backing



Scenario 2: Functional behaviour – sensor faults, calibration issues, misalignments





Upcoming Dissemination Events

Transport Research Arena (TRA): 16-19 April 2018, Vienna

Submission for a joint participation with BRAVE and interACT in the European Commission's Exhibition stand.

25th ITS World Congress: 17-21 September 2018, Copenhagen

Submission for a joint session of TrustVehicle, BRAVE and interACT on „User-centric approaches enabling wider acceptance of Automated Vehicles in mixed traffic”.

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 723324.

