## Target definition for future automated public transportation modes and specifications for 4 different vehicle concepts



CLIENT: TRANSPORT AUTHORITY

BACKGROUND: The client wants to achieve a significant share of automated public transport trips in the next decade. FEV was asked to advise in the target setting and develop functional specifications.

## **DELIVERABLES**

- Global benchmark of existing automated transport approaches and initiatives
- Analysis of technology trends for enabling vehicle automation for different modes of transport
- Target Setting for Automated Public Transport (till 2030), i.e. vehicle types and mission profiles, automation levels, and boundary conditions (Operational Design Domains) for automated operation etc.
- Functional requirements specifications for 4 vehicle types: City-Bus, Bus-Rapid-Transit, Shuttle, Taxi as well as for Infrastructure and Intelligent Transportation System
- Defined safety mechanisms by Hazard And Risk Analysis
- Defined a concept for Testing & Proof of Concept and implementation

