



Road infrastructure ready for mixed vehicle traffic flows

Vision

To help prepare road infrastructure to support the coexistence of conventional and automated devices with enhanced traffic flow efficiency, safety and user appreciation.

Mission

To design, upgrade, adapt and test both physical and digital elements of the road infrastructure.



01

Dynamic lane assignment

- Real-time lane assignment under dynamic penetration rate of automated vehicles
- Exceptional traffic situations-adverse weather conditions
- A conventional vehicle drives on a dedicated lane for automated vehicles

02

Roadworks zones

- Single Lane Closure (e.g. short-term constructions)
- New Lane Design (e.g. long-term constructions)

03

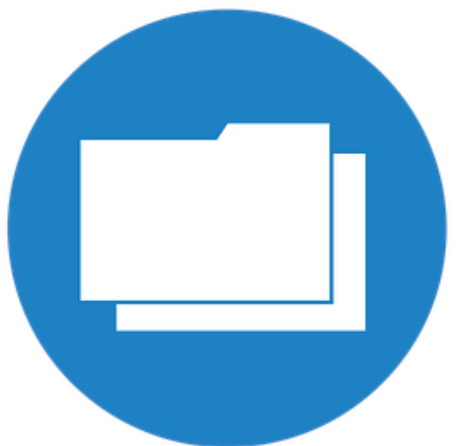
Bottlenecks

- Automated vehicles driving behavior adaptation in real time at sags
- Lane-Change Advice to connected vehicles at Bottlenecks
- Lane-Change Advice combined with Flow Control at Bottlenecks for all vehicles

Expected results



Road infrastructure for mixed traffic



Infrastructure classification scheme



Simulation platform



Hybrid testing system

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At a Glance

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Partners:

austriatech



Fraunhofer FOKUS

A|S|F|i|N|A|G



virtual vehicle

TomTom



autopistas
an Abertis company

enide

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