



OUTLOOK

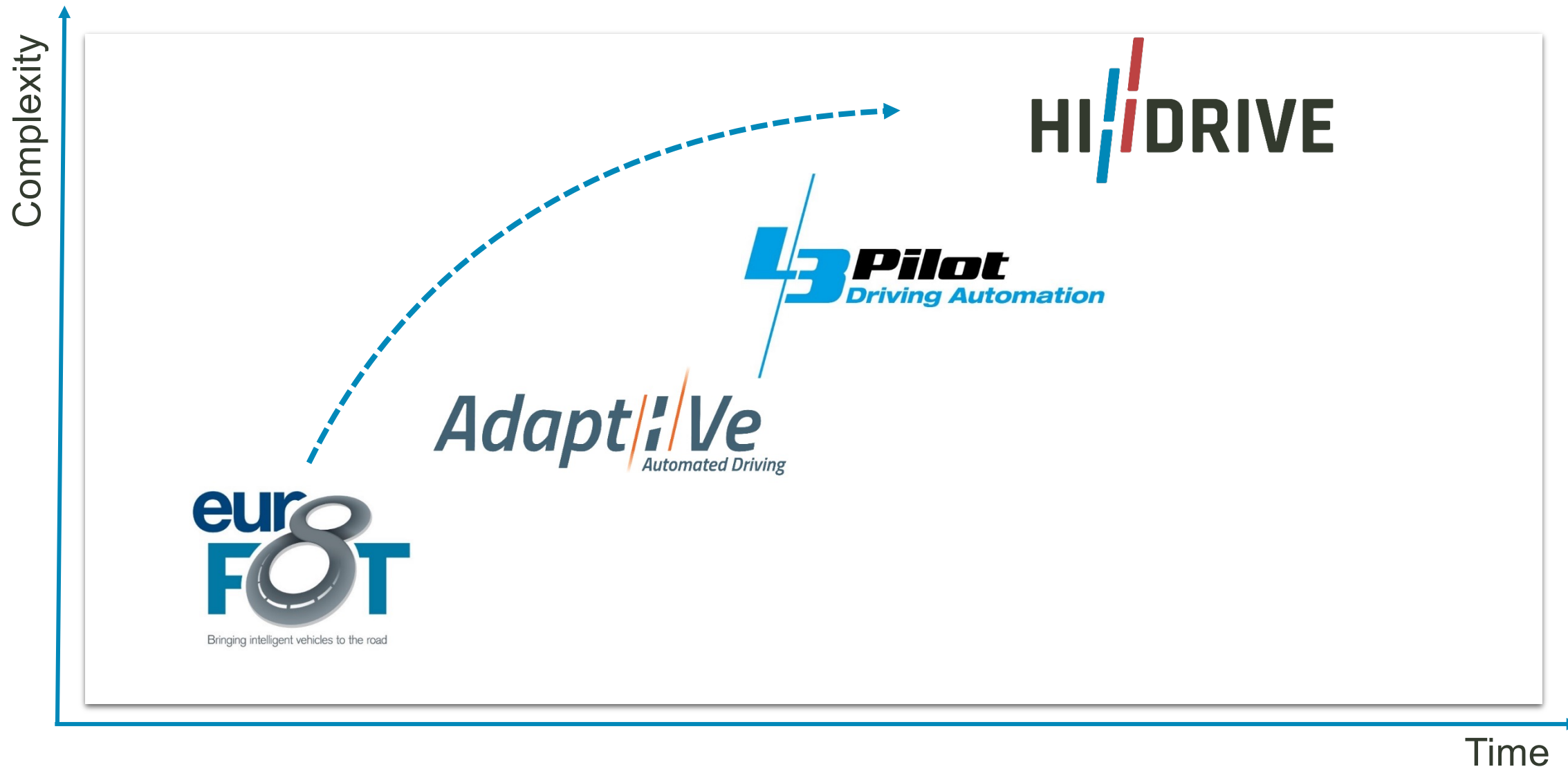
Hamburg 2021

Aria Etemad
Volkswagen Group Innovation

VOLKSWAGEN

AKTIENGESELLSCHAFT

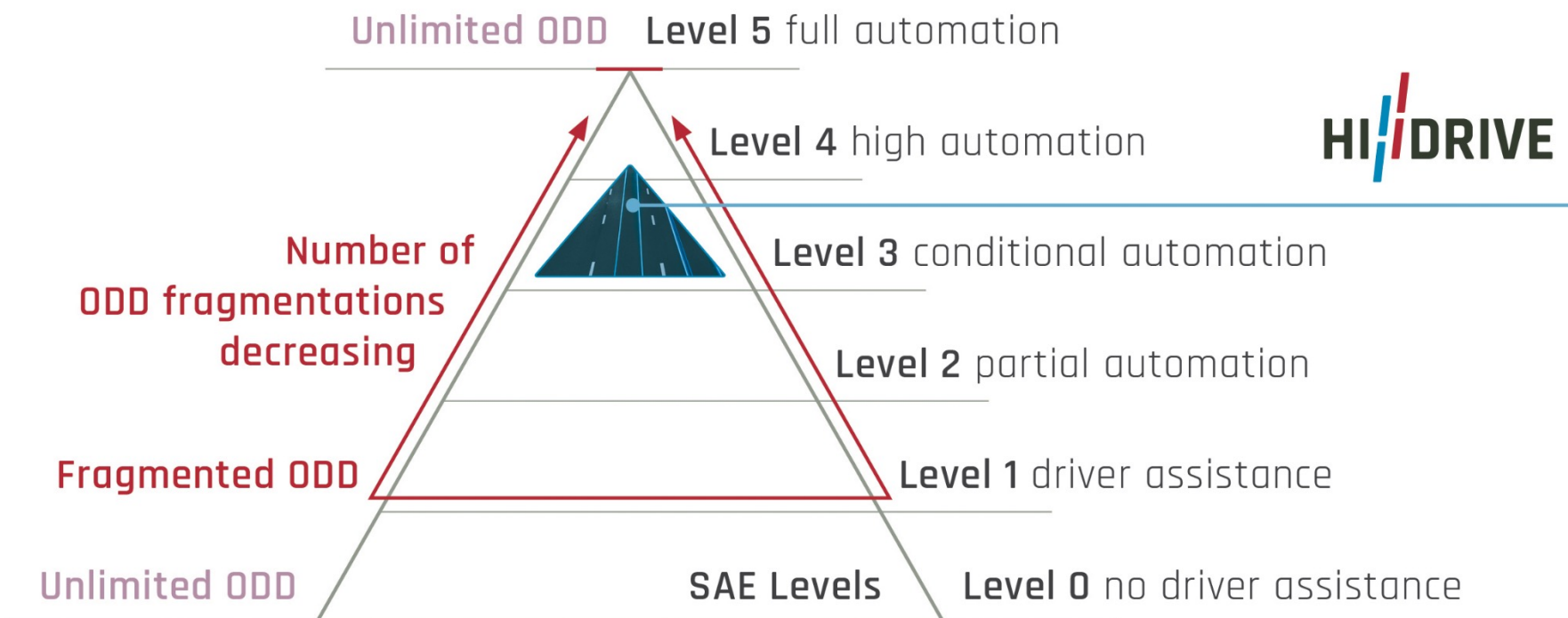
Our history: long lasting successful collaborations



Vision: Make automated driving robust and reliable

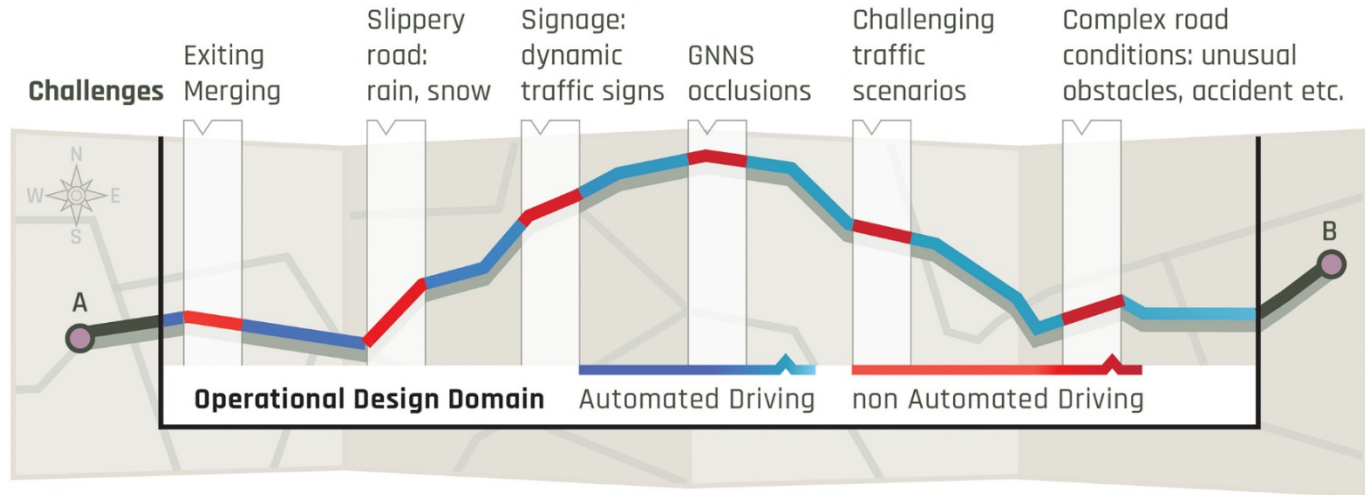
Project goal: Addressing challenges toward the deployment of higher automation

OOD extension How to get rid of fragmentations in Operational Design Domain?

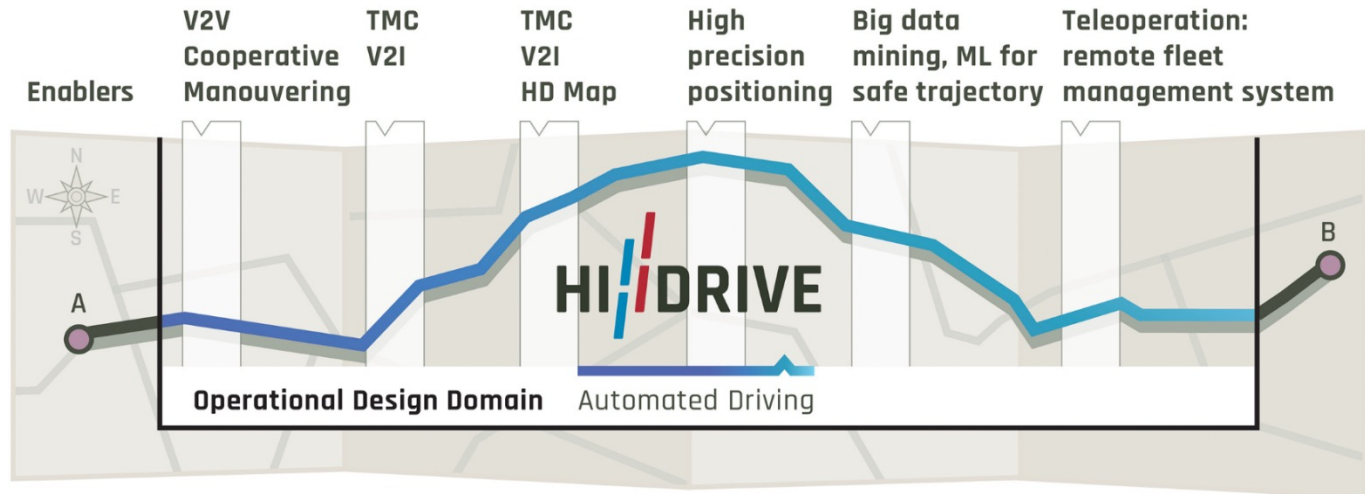


Challenges toward the deployment of higher automation

How can fragmentations in ODDs be eliminated?



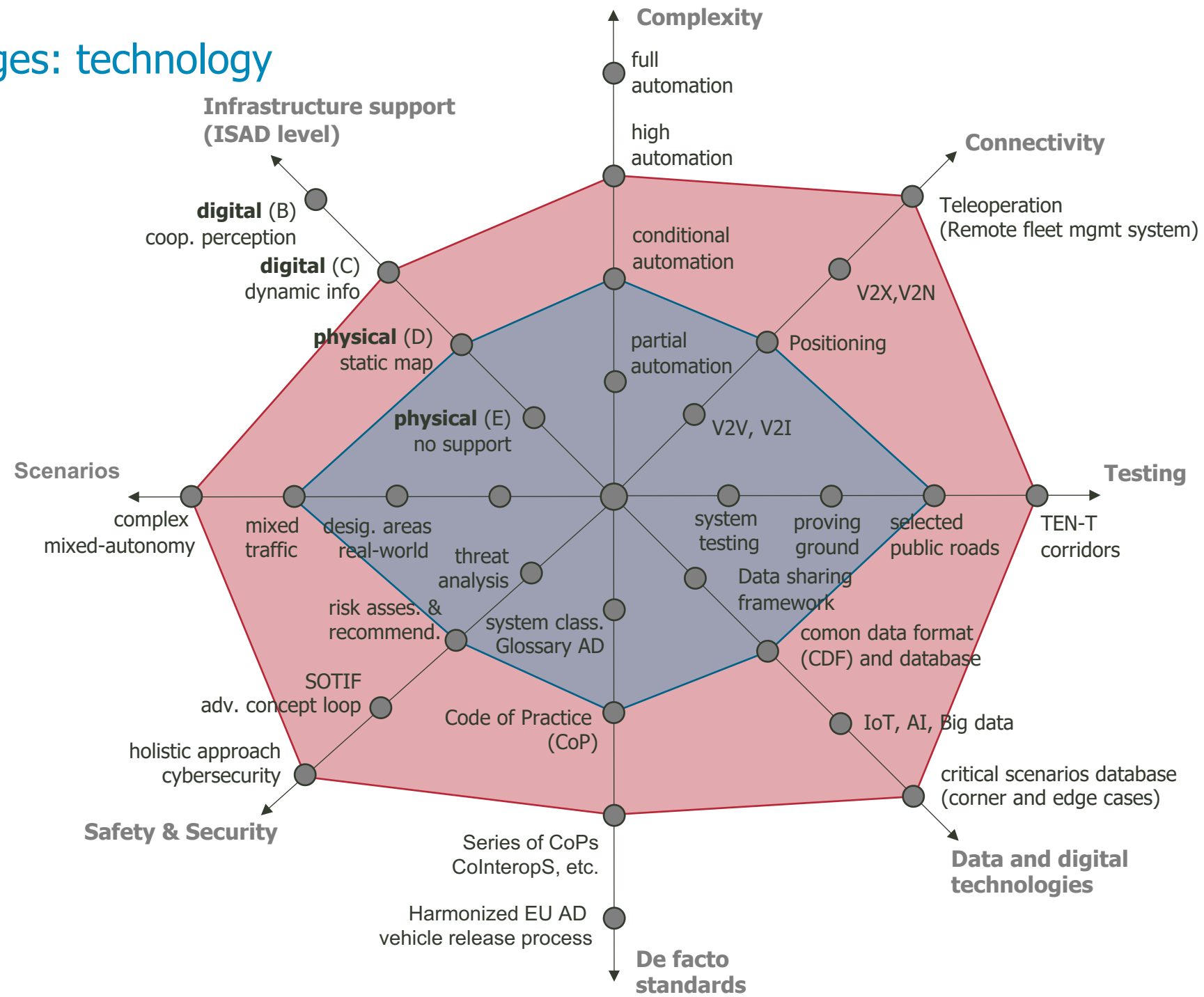
Extended & Continuous ODDs on interoperable European roads



Challenges: technology



— Hi-DRIVE
— L3Pilot and SoA



HI/DRIVE testing and evaluation platform

TEN-T cross-border corridors

urban nodes

Extended Operational Design Domain (ODD) and AD performance

Interaction

Challenging conditions

Cross-border

Interoperability

Connected AD

High AD vs. human driving

Data collection
Sharing platform

Scenarios
development

Calibrate developed scenarios and simulation models

Systemic approach

Evaluation of the effects of connected, cooperative and highly automated driving systems

Data-based impact assesment

- Safety, Security
- Environment, Efficiency
- Travel behaviour
- Interaction
- User behaviour
- User acceptance
- Equity, Quality of life

Data-driven modelling of impacts on transport system

- TEN-T corridors, regions, countries, society in terms of:
- Transport system efficiency,
- Network performance,
- Throughput,
- Emissions

Project partners

OEMs						
Suppliers		Researchers				
Traffic engineering		Deployment				



Thank you for your kind attention.

Aria Etemad
Volkswagen Group Innovation



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The team behind L3Pilot





FINAL EVENT

Hamburg 2021

ITS World Congress