

Addressing challenges towards the deployment of higher automation

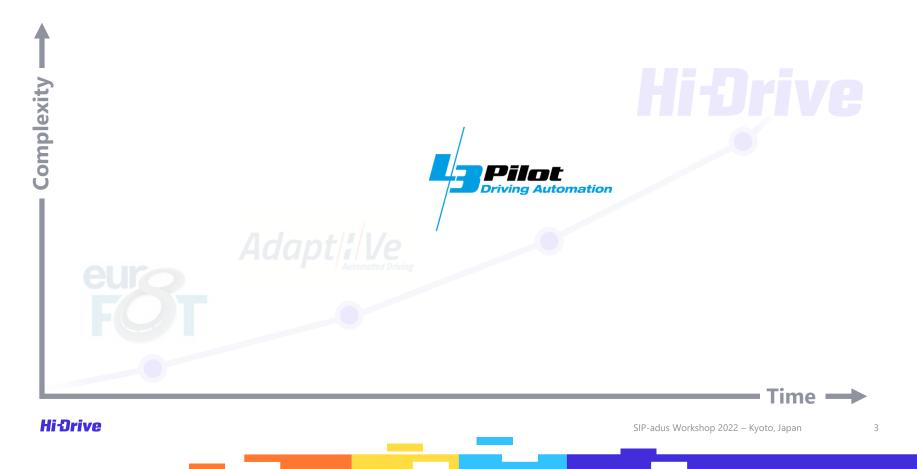
SIP-adus Workshop 2022 11 October 2022 – Kyoto, Japan

Aria Etemad, Volkswagen AG

Our history of automated driving: Long lasting successful collaborations



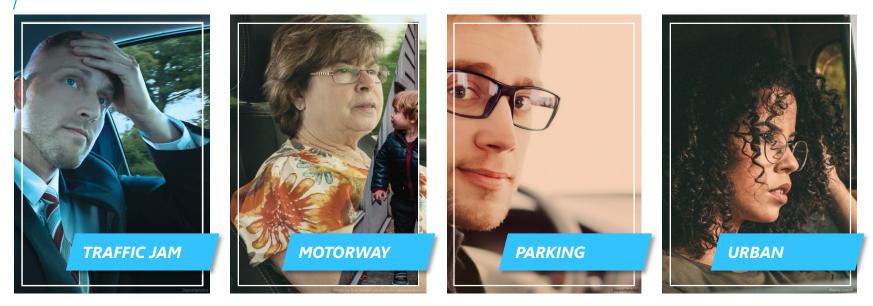
Our history of automated driving: Long lasting successful collaborations







Applications



Hi-Drive

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Partner

BPilot Driving Automa

Volkswagen / DE / Hamburg, Wolfsbu
Aptiv DE, LU, FR cross-border activiti
AUDI / DE / Ingolstadt, Neckarsui
BMW DE Munich
CRF / IT / Turin
FEV DE Aachen, Cologne
Ford DE, BE, UK cross-border activities
Honda DE Frankfurt am Main
ika DE Aachen
JLR UK Coventry 2
STLA FR, DE cross-border activities
Renault FR Paris and other regions
Toyota BE Brussels
olvo Cars SE Gothenburg

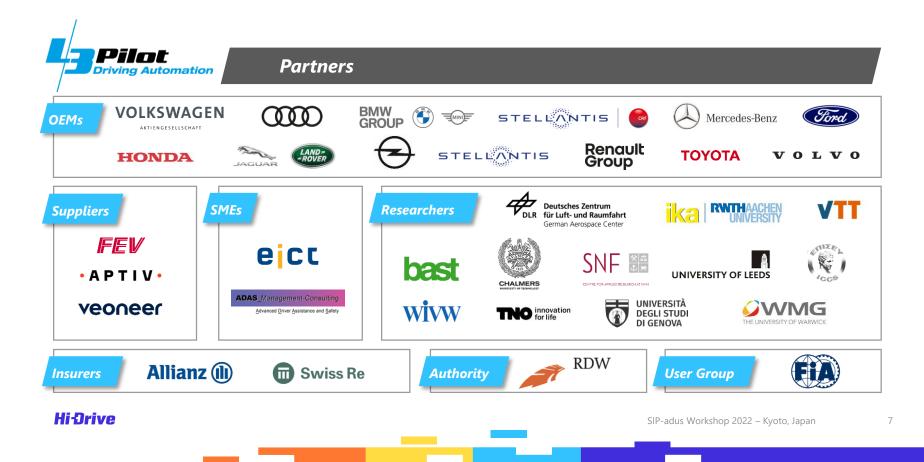
Country

Region

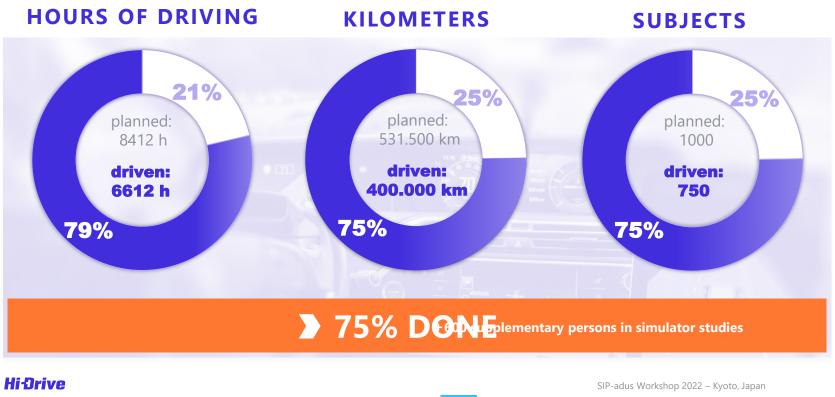
ırg



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L3Pilot achieved objectives

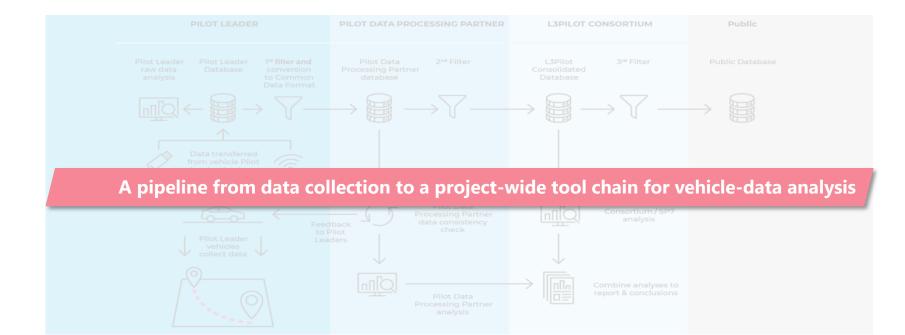






L3Pilot DATA handling & sharing - from numbers to processes

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CODE of PRACTICE



CODE of PRACTICE (CoP) - A short history





EVALUATION



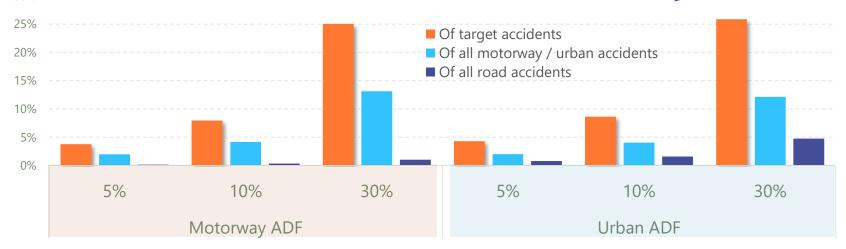
EVALUATION focus points



EVALUATION focus points



Assessment: "ADFs have the potential to increase safety."

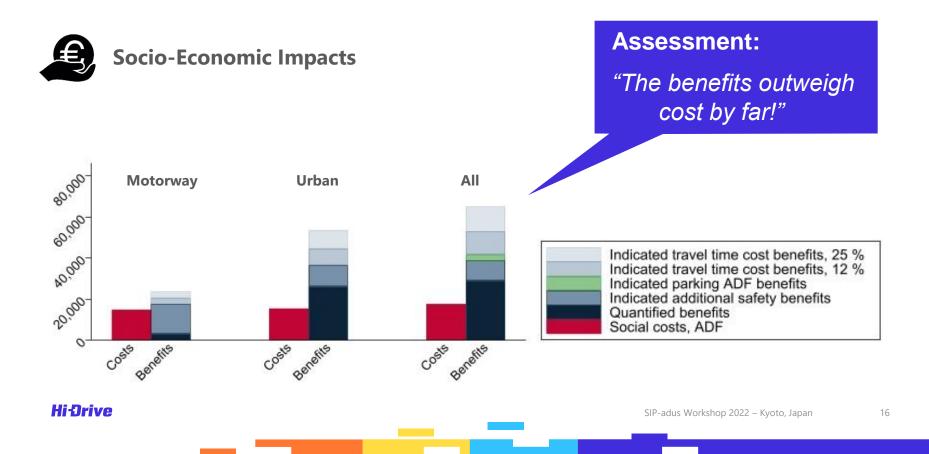


Expected decrease in fatal crashes by penetration rate for EU27+3

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30%

EVALUATION focus points



Our history of automated driving: Long lasting successful collaborations





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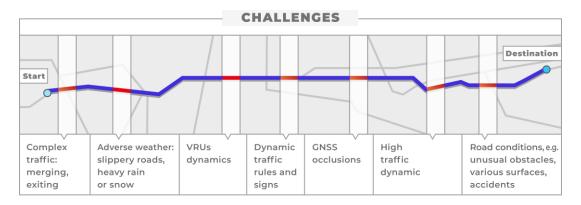
Designing Automation

PUSH TOWARDS HIGHER AUTOMATION.

- Robust and reliable automated driving
- Extended and defragmented ODDs
- Interoperability across countries and brands



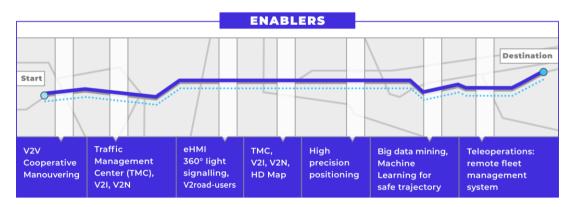
Defragmentation of the Operational Design Domain (ODD)





MANUAL DRIVING

AUTOMATED DRIVING



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Cybersecure, interoperable, interactive and user-aware vehicles

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Project Facts

€60 MILLION BUDGET

€30 MILLION FUNDING

48 MONTHS from July 2021 to June 2025

40 PARTNERS among them OEMs, automotive suppliers, research institutes, associations, traffic engineering, deployment organisations and mobility clubs

14 COUNTRIES involved: Belgium, France, Finland, Germany, Greece, Hungary, Italy, Israel, Netherlands, Norway, Spain, Sweden, Switzerland, United Kingdom



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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101006664



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Partners



CODE OF PRACTICE (CoP) **Evolution**



CoP - cross-border road testing

- Forum of European member states and industry stakeholders
- Harmonized release and admission procedure: prerequisite for future large scale cross-border pilots and FOTs
- Establish collaboration between vehicle owners and inspection bodies
- Proposal on a harmonized release procedure
- **Recommendations catalogue** for authorities on adapting their existing practice



23

Hi:Drive

CoP - User education and training



USER EDUCATION CAMPAIGN

USER TRAINING PROGRAM

Implemented by mobility clubs



Hi:**Drive**

...one last thing!



Hi:Drive

THANK YOU FOR YOUR KIND ATTENTION.

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