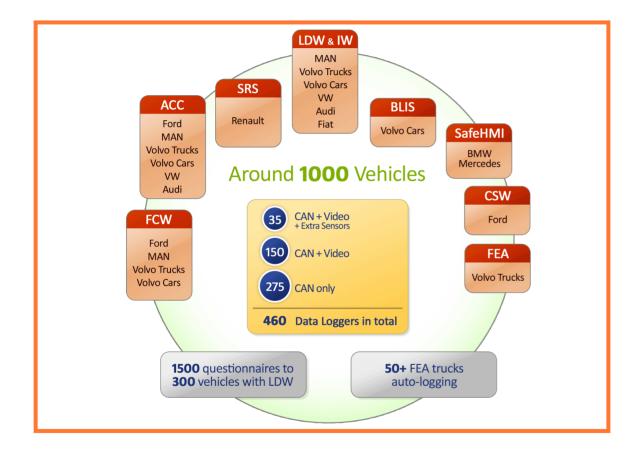


# Fostering knowledge and skills: The importance of EU flagships projects

5 May 2023, Brussels Aria Etemad – Volkswagen AG Our history of automated driving: carrying the legacy forward



#### **Our history: ADAS FOT with series production vehicles**



**Hi**-Drive

#### **Longitudinal control functions**

- Forward Collision Warning (FCW)
- Adaptive Cruise Control (ACC)
- Speed Restriction System (SRS)

#### Lateral control functions

- Blind Spot Information System (BLIS)
- Lane Departure Warning (LDW)
- Impairment Warning (IW)

#### **Advanced applications**

- Curve Speed Warning (CSW)
- Fuel Efficiency Advisor (FEA)
- Safe Human Machine Interaction (SafeHMI)

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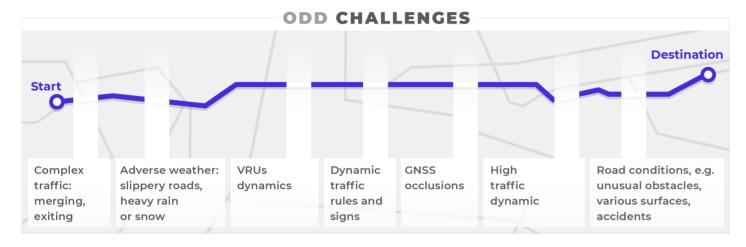
### PUSH TOWARDS HIGHER AUTOMATION

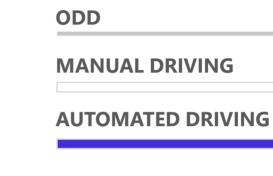
- Robust and reliable automated driving
- Extended and defragmented ODDs
- Interoperability across countries and brands

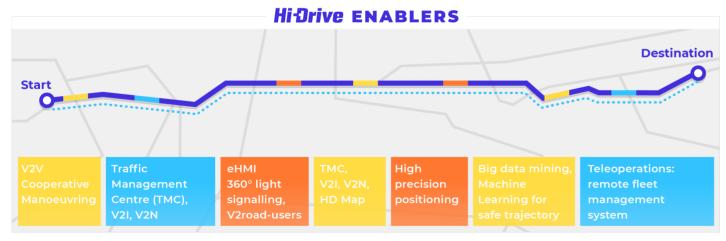
# Hi-Drive

**Designing Automation** 

#### **Defragmentation of the Operational Design Domain (ODD)**



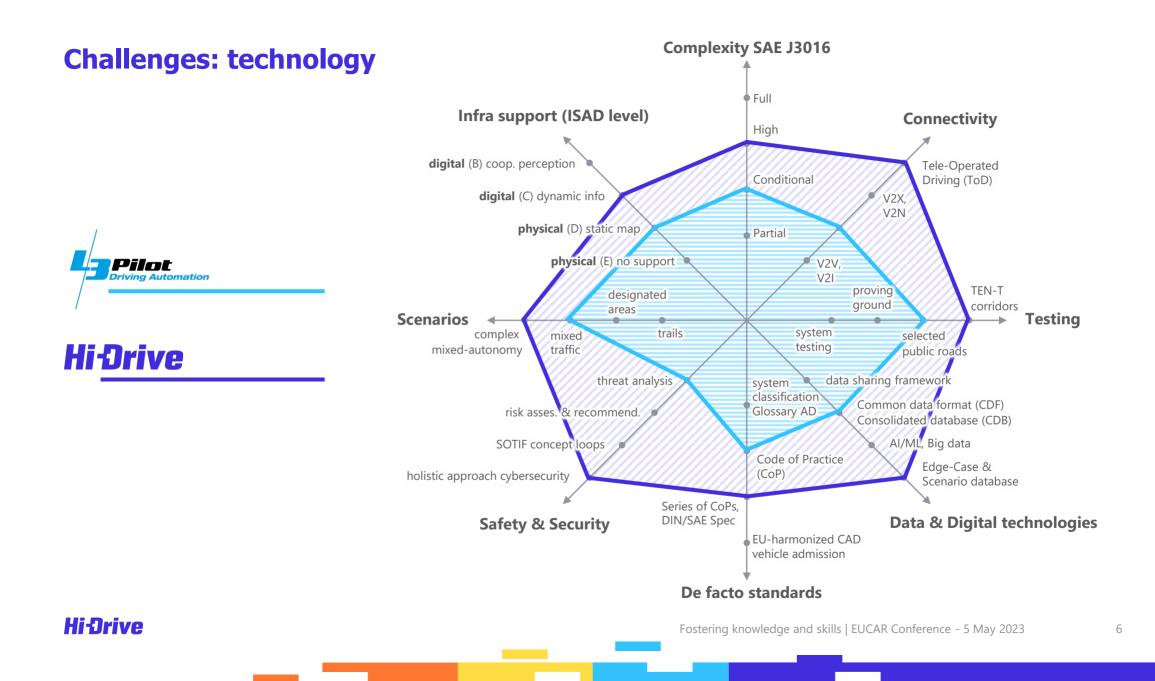




Cybersecure, interoperable, interactive and user-aware vehicles

#### **Hi**-Drive

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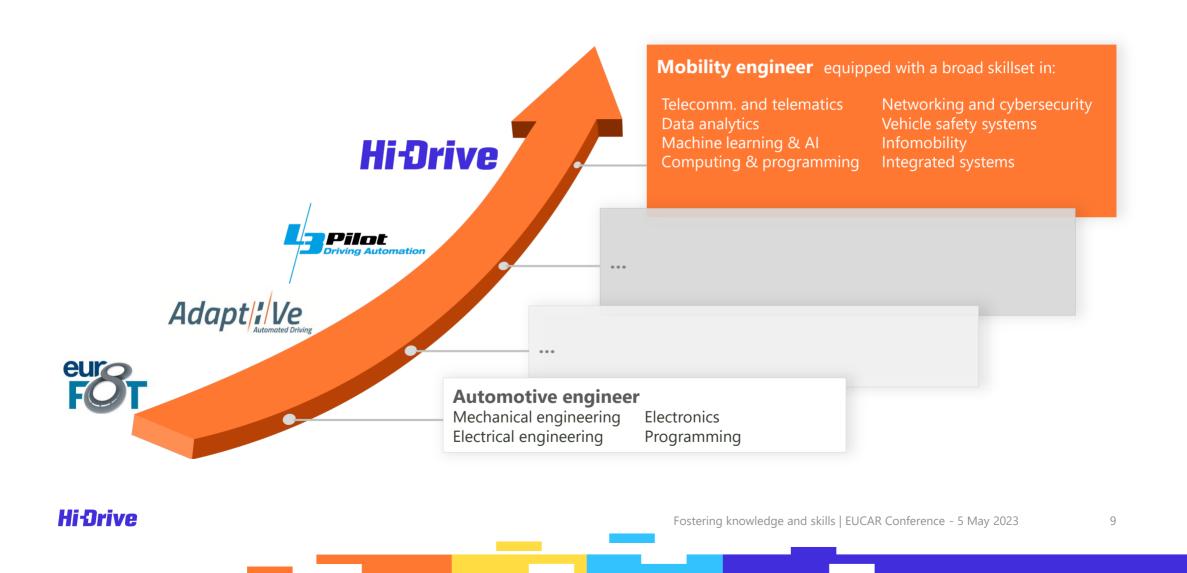
#### **Partners**



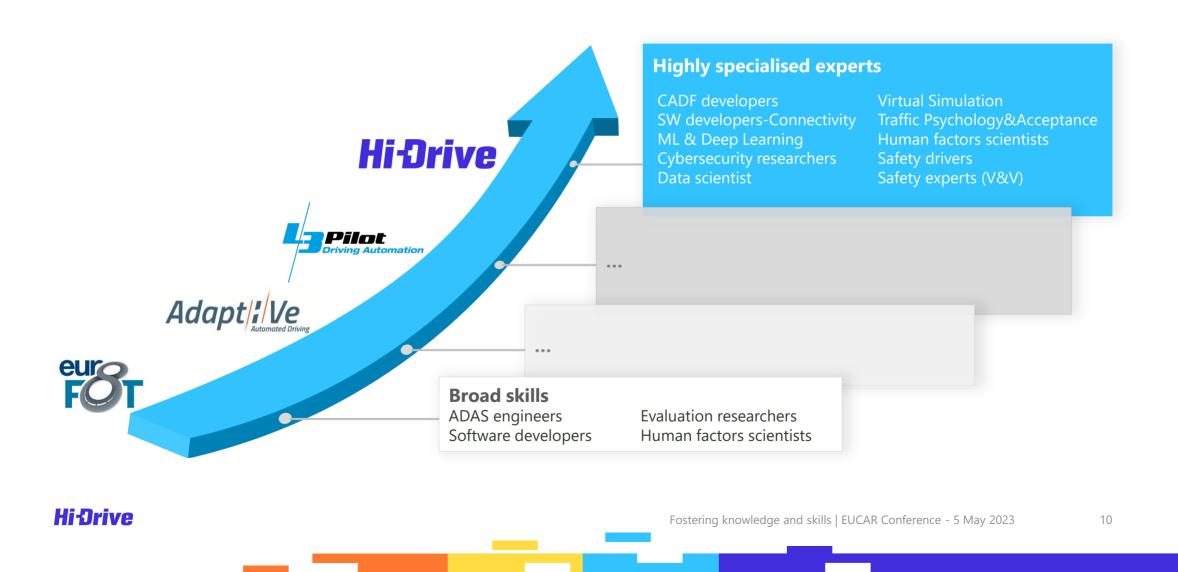
#### **Partnerships: Evolvement of stakeholders**



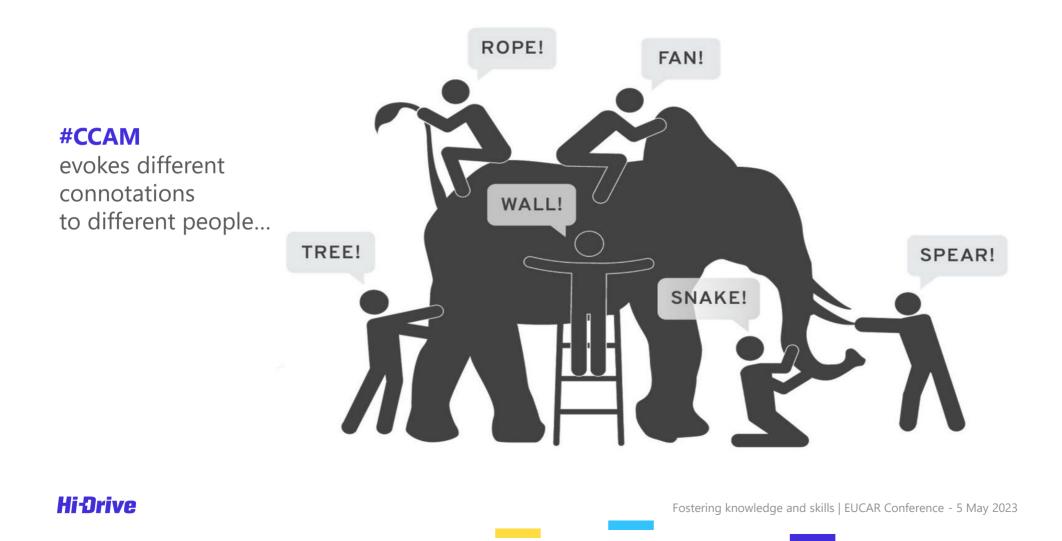
#### **Automotive workforce: from engineer to multi-talent**



#### **Future workforce: evolvement of skills**



#### **Example: Common technology understanding as a basis for development**



#### **Fostering knowledge and skills** The importance of EU flagships projects

#### Hi-Drive collaboration platform enables industry and academia partnerships:

Re-skilling of the existing talent pool

Exposes experienced engineers to key areas of emerging technology, thus adapt to the upcoming knowledge gap

#### Preparing future workforce

Develops specialist skills in key areas and prepares a pipeline of talents to meet current and future workforce needs

#### Creating a "sense of belonging"

Hi-Drive

Establishes a diverse environment empowering knowledge exchange and a sense of belonging to the the CCAM community

Constant adaptation of university courses and training programs
 Increases the educational value chain and bridges the gap between talent and technology

#### • EU- and world-wide knowledge harmonisation

Knowledge transfer through collaborative R&D, webinars, summers schools and public database

#### **Example: Knowledge sharing**



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#### **Example: Knowledge transfer**









#### **Hi**:**D**rive

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# THANK YOU FOR YOUR KIND ATTENTION.

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# Hi-Drive

