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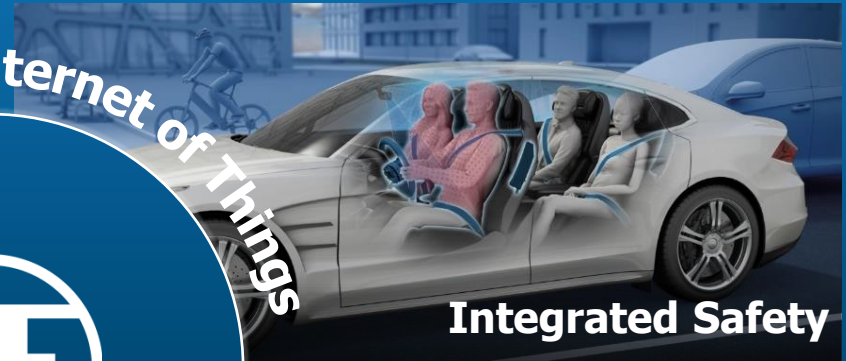
# Every problem has a Cloud solution

Dr. René Deist | CDO | ZF Friedrichshafen AG

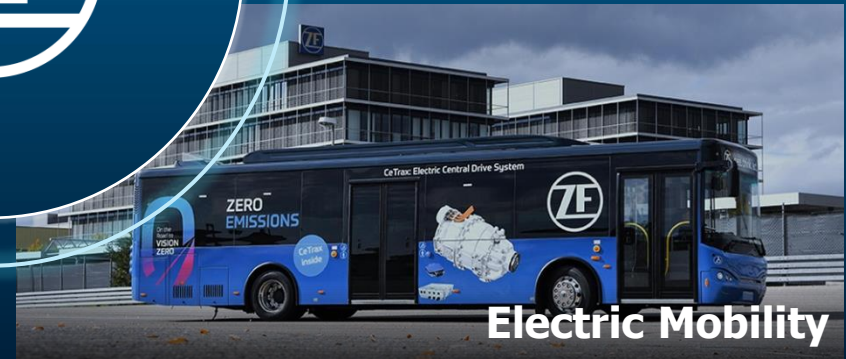
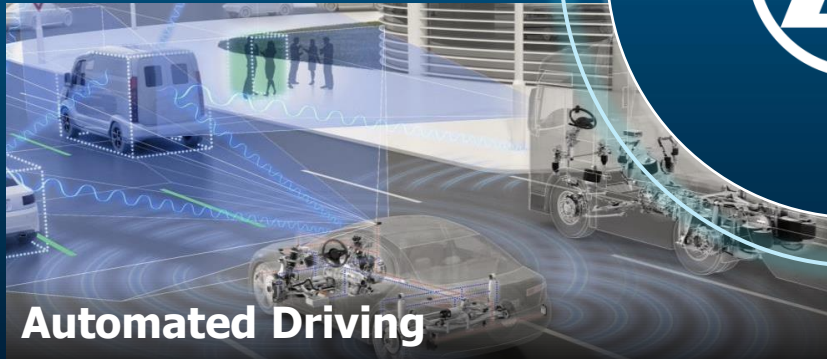


Microsoft

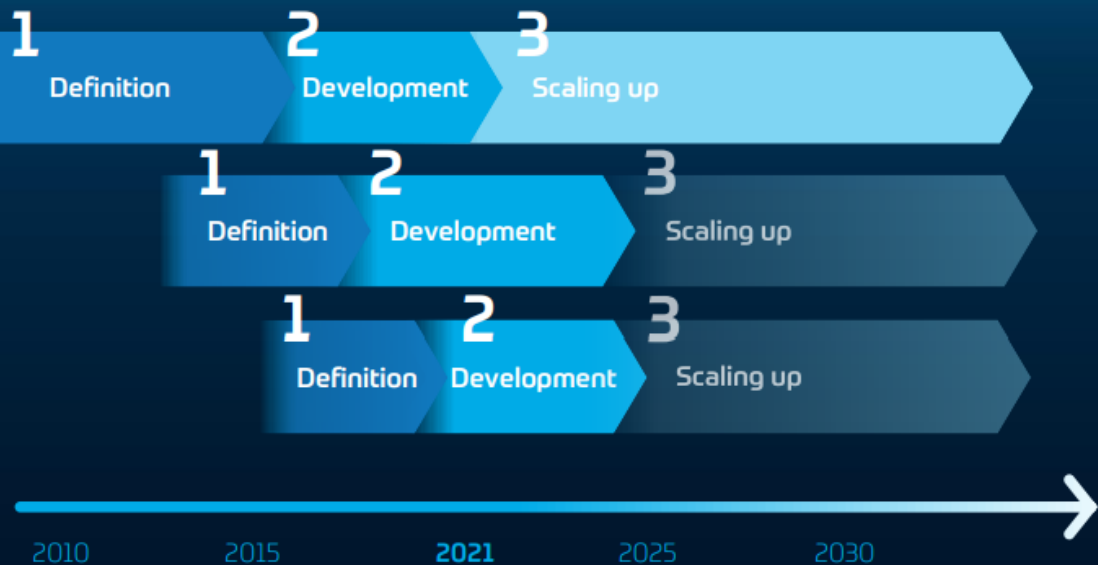
# ZF Shapes the Future in Four Technology Domains



Digitalization / Internet of Things



# Three-fold Transformation for ZF at Top Speed



E-Mobility



Software



Autonomous Driving



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# Data – the gear wheel of our future

- Huge digitalization challenge for ZF
- Data is important for our future success and needs to be scaled for internal efficiency & external data monetization



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# Every problem has a Cloud solution

- ZF cloud is a powerful platform to boost our efficiency: e.g. **digitized supply chain**, accelerated **process automation**
- It's a leap forward – partnering for success by introducing ecosystems in **production** and **product development**
- A clear Cloud Strategy to integrate all **business applications** in one **industrial integration** layer



Microsoft

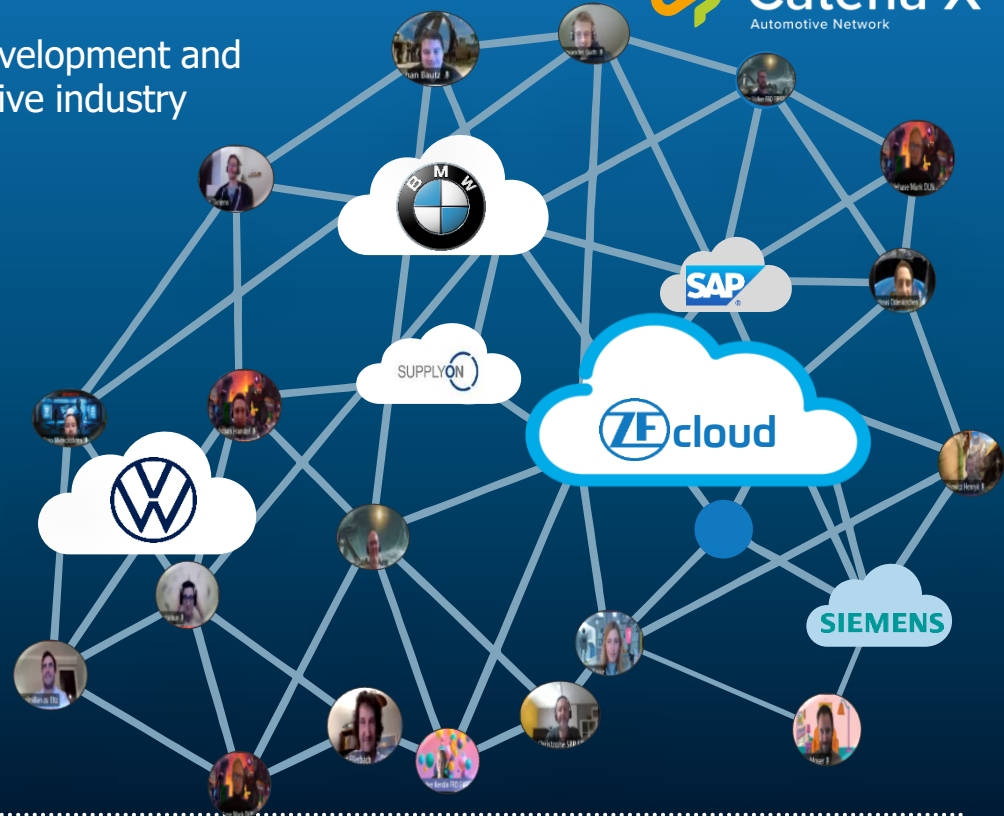


# Catena-X: New way of working in agile collaboration across different enterprises



Catena-X is a game changer for collaborative development and implementation of best practices in the automotive industry

- A consortium of 28 Companies is investing 250 MEUR (2021-2024) in a decentralized platform for E2E data chains
- Already 4 months after launch app. 850 employees co-create software for 10 use cases in one collaboration platform
- SAFe Methodology – Scaled Agile Framework
- ZF involved in 7 Use Cases



# Purpose of and Integration in the Catena-X Network



**Production  
Control Tower**

**Maintenance  
Intelligence**



**Digital Shopfloor  
Management**

**Data Transparency  
& Analytics**



**Machine  
Learning & AI**

“

**We never had more opportunities**

- Technological opportunities are amazing
- Computing power enables AI
- Network bandwidth enables collaboration

