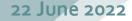
5G-MOBIX German Trial Site Results and Lessons learnt on 5G for CAM

Market needs and industrial motivation

Dr. Christian Müller-Hirschkorn
Dr. Oleg Boyarkin







Business Potential of 5G for CCAM

- Added value for privately-owned cars:
 - Road Safety: augmented reality, emergency steering and braking
 - Comfort Functions: automated driving, teleoperation
- Savings in the commercial mobility sector:
 Reduction of operational expenditure in public transport, taxi service and cargo traffic through automation.
- New policy models in the insurance business:
 e.g. reduced car insurance premium for cars equipped with CCAM functionalities.
- Cooperations between players from the automotive and the information and communication technology (ICT) industry.











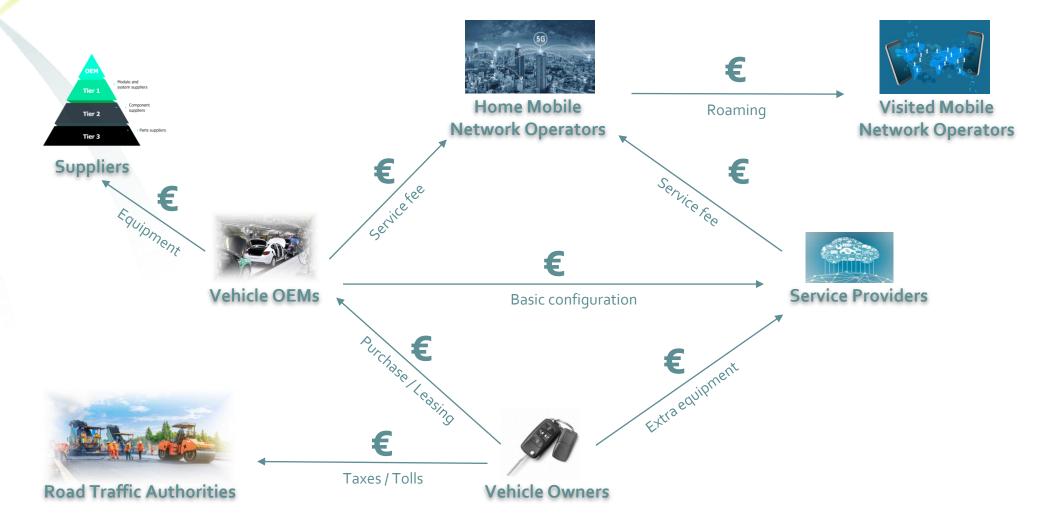






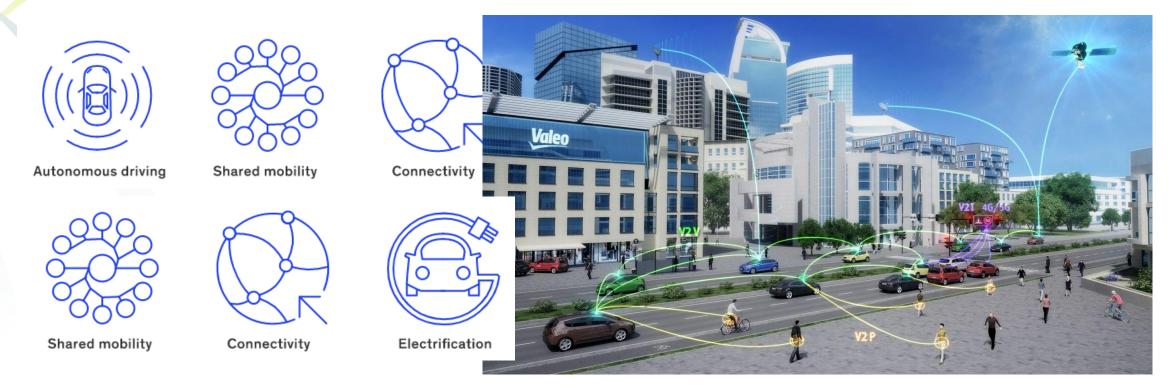


V2X Business Relationships between Stakeholders





5G as a key-enabling technology



McKinsey identified 4 major disruptions for the automotive industry.

5G is an enabling technology for these and hence plays a key role in their development and market launch.

[1] https://www.mckinsey.com/industries/automotive-and-assembly/our-insights/development-in-the-mobility-technology-ecosystem-how-can-5g-help

Key 5G features

- Low latency (~10 ms end-to-end)
- High reliability (99.999% for ultra-reliable transmissions)
- High bandwidth

5GAA V2X application layer standards

