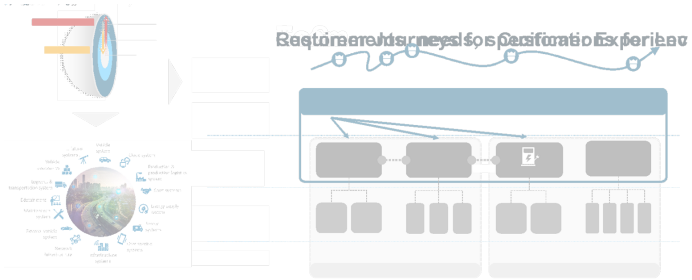
An agile system-of-systems engineering approach increasing development flexibility and ensuring additional value for the customer

Agile Systems Engineering Framework from system of system (SoS) to component

SoS design and development



Strategic Challenge

- "Traditional" vehicles get more and **more complex** and need to be **integrated** into a **SoS environment** with various int. and ext. systems, software-oriented product features or web-based services
- Existing **Sys Eng philosophy** needs to evolve and **integrate state of the art methodology** like agility, design thinking etc.
- The **user experience** and the **interaction** within the **SoS** becomes more important to the customer than the product itself
- Interfaces between the systems are **across different companies**

Results & Impact

- Customer centric **systems of systems development framework** reducing **time to market** by 15% and improving **product maturity**
- Specific SoS mobility systems with 8 **business fields** and 128 **SoS customer features**
- **Mindset change** (relevance of SoS and customer centricity) within portfolio management, product development and sales

Levers & Building Blocks

- **Agile SysEng framework** with solution architecture, process landscape, responsibility and working model
- **Flex architectures** and **mastering interfaces,** focusing on variable system integration
- **Adaptive organization** design and setup ready to integrate partners and collaborate closely
- **Decentralized decisions**