VECTOR >



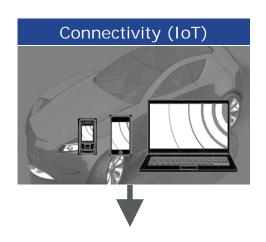
Distributed Functions

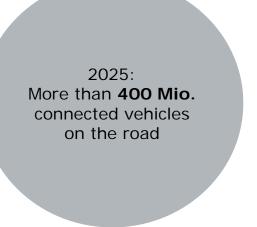
9th Vector Congress 2018

VECTOR >

Introduction





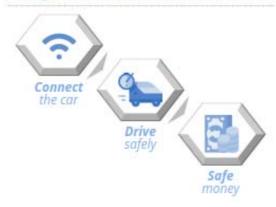




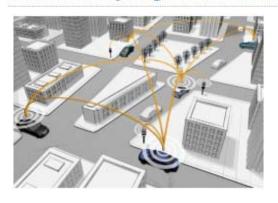
VECTOR >

Focus Connectivity – Business Models

Usage-based insurance



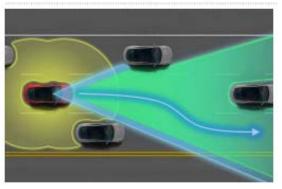
Vehicle-to-Everything communication



Smart Home and business model integration

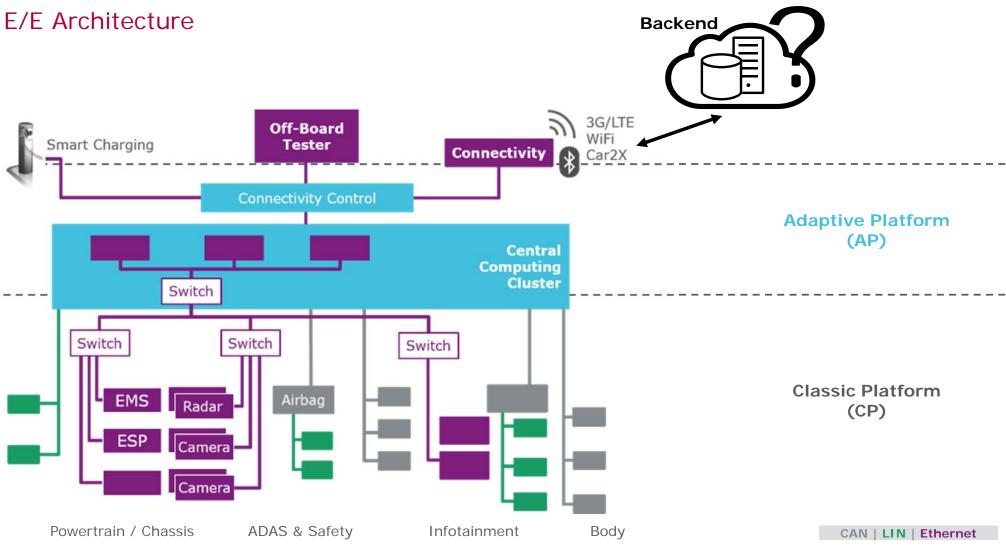


Autopilots and Self-driving cars



Source: Statisa, "Connected ca", Market report, March 2017







Focus Connectivity – Use cases

Infotainment

Apps:

- Advanced Navigation
- Streaming
- Weather

) ..



OTA - Infrastructure

Apps:

- Software Download
- Live Diagnostics
- Remote Diagnostics
- Data Collection

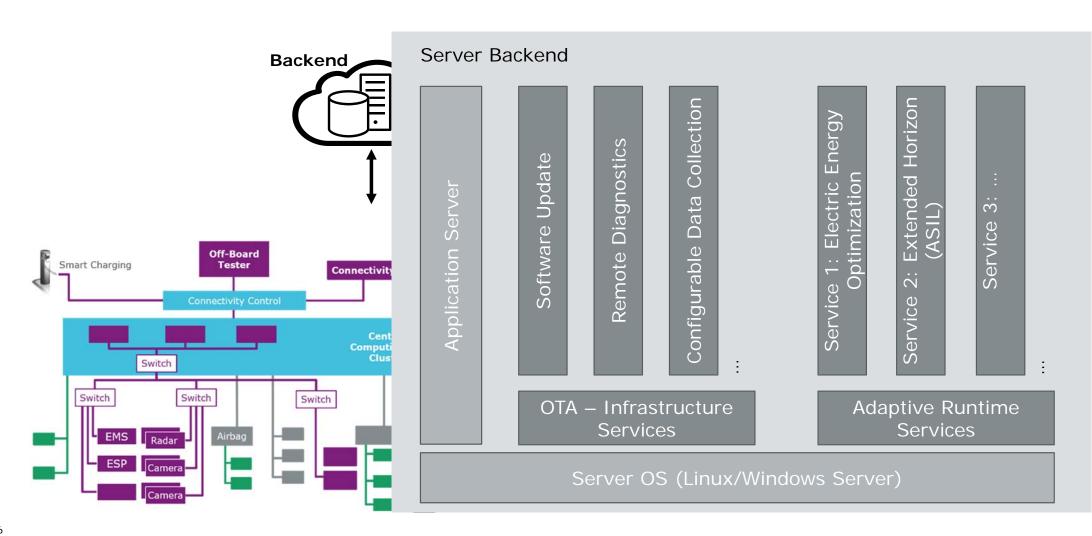
Distributed Functions

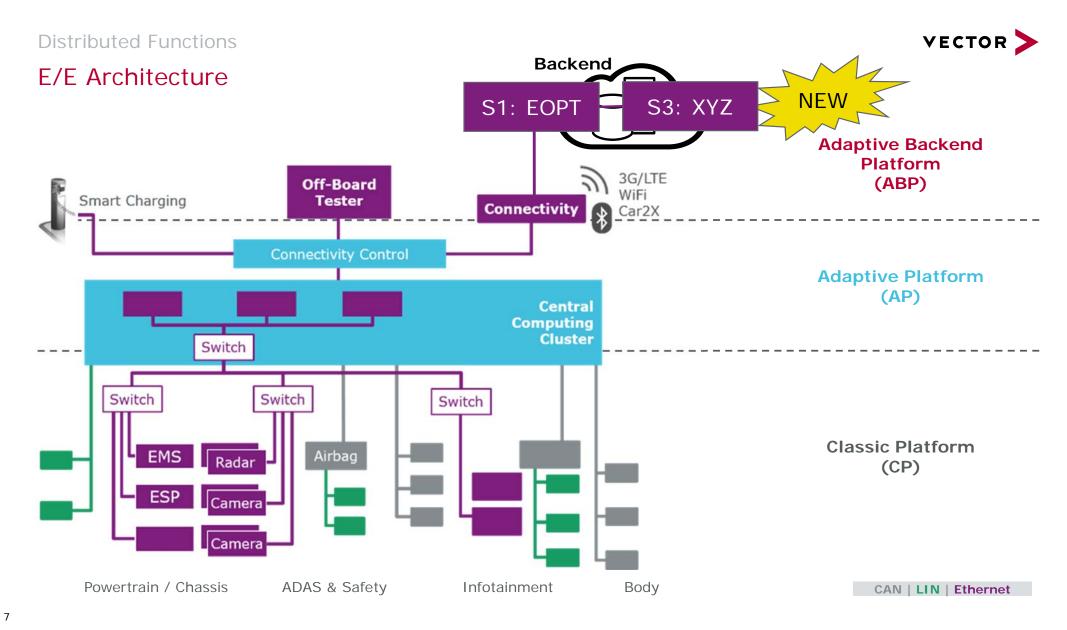
- ► Functions calculated in the Backend
- ► ASIL Level A+
- **.**..





E/E Architecture







Conclusion

- ▶ OTA in today's meaning offers infrastructure services for the operation of a car
- With functions calculated on the backend a variety of today's unthought business cases become possible
- Needed
 - ▶ Reliable and safe platform in order to deploy and run those functions
 - ▶ Transparent architecture between inside car and backend
 - Tooling
 - ▶ Integration of "Productive IT" in E/E Development Centers

