

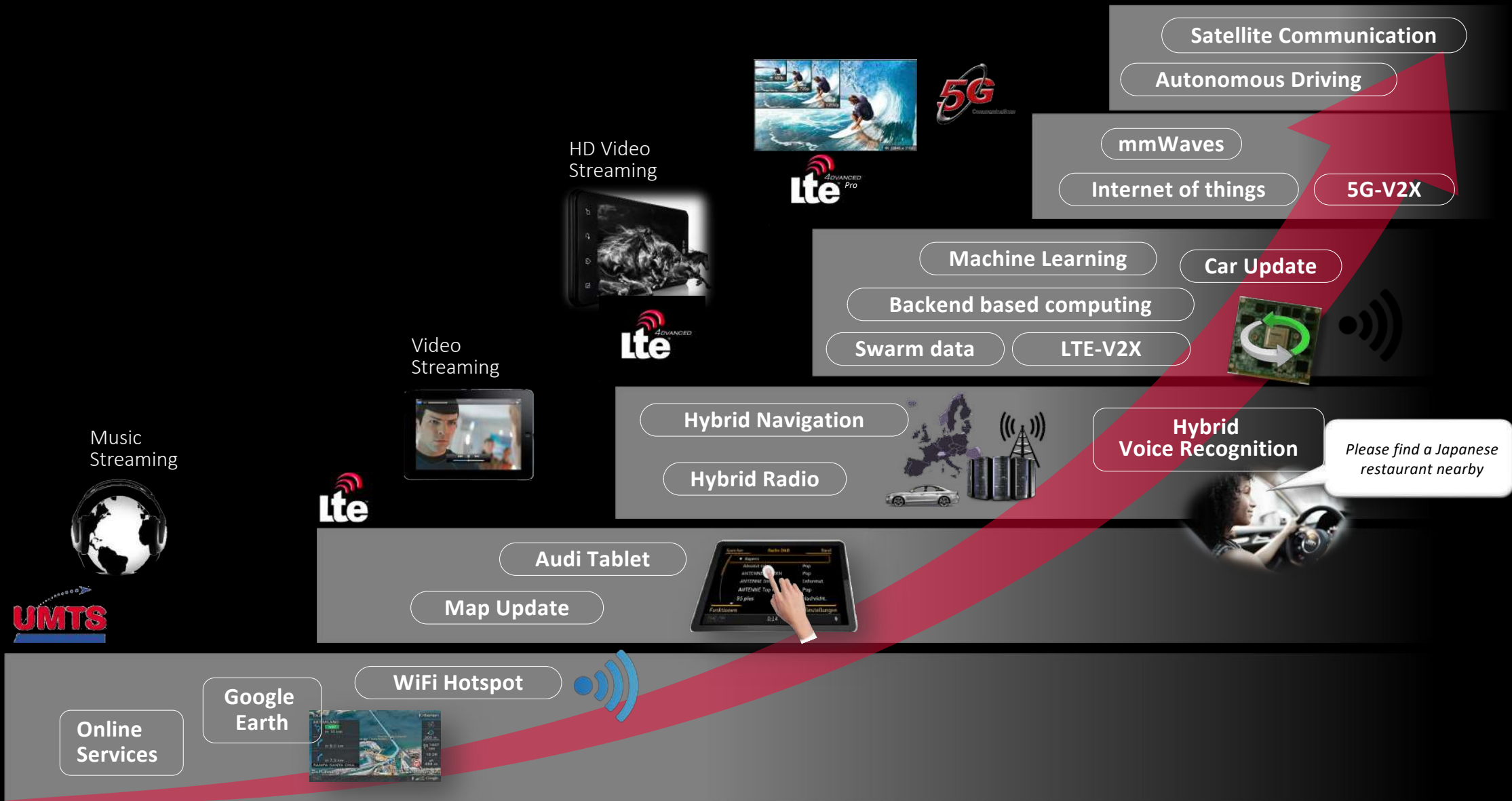
Connectivity for the Car of the Future Symposium

What role for non-terrestrial networks?

Jörg Plechinger, Head of Mobile Connectivity Platform, AUDI AG



Connectivity as key element of innovation for Audi



Non-terrestrial Network (NTN) Communication for vehicles

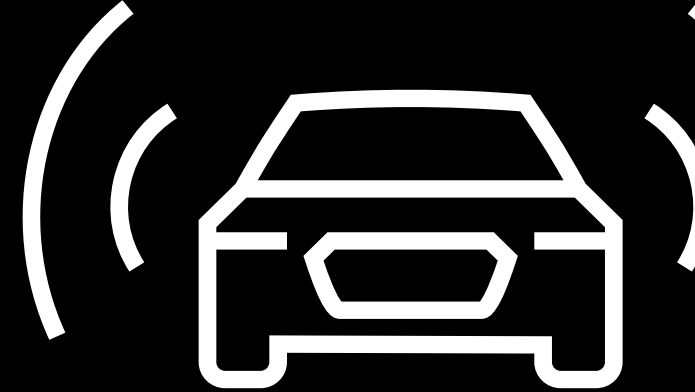
Benefits

Possibility to offers services worldwide via one NTN provider

World-wide service for emergency calls (ubiquitous coverage)

Flat satellite antenna integration in roofs (invisible)

Coverage improvements of existing services



Non-terrestrial Network Communication for vehicles

Requirements

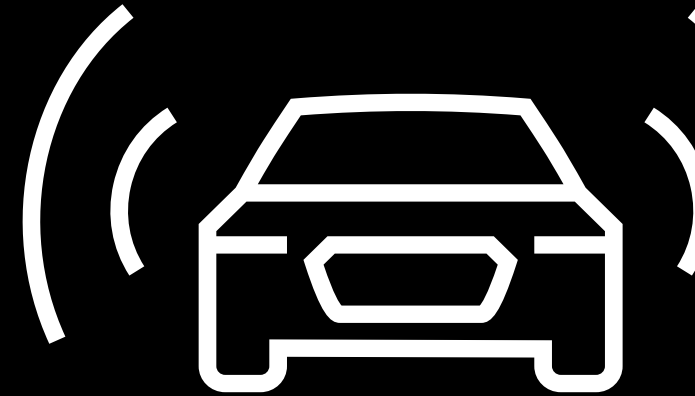
Optimization of satellite-based 3GPP standards for automotive use case

Fast Hand-over between different satellites

Integration of satellite communication with terrestrial 3GPP technology

Solutions for:

- **Power Limitation in Uplink**
- **Limited space for antennas**
- **Antenna integration in vehicle design**
- **Handling of challenging communication environment**
- **Certification of NTN for emergency calls**



Get in Touch!

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