

Connectivity for the Car of the Future Symposium

What role for non-terrestrial networks?

📍 16 May | 10 am – 15:30 pm CEST 📍 Leonardo Royal Berlin Alexanderplatz, Berlin

Event hosted by **5GAA**

Connectivity is a prerequisite for the digital transformation of the automotive sector. Road safety, navigation, efficiency, emission reduction and many other applications will not be possible in its absence. To this end, the development of non-terrestrial networks (NTNs) will play a crucial role to promote ubiquitous and high-capacity global connectivity.

Adequate connectivity to enable the car of the future is a challenge. The reliability of the network is also key, particularly in remote areas. Some rural or remote regions still experience no or poor broadband coverage. Satellite connectivity complements terrestrial solutions in white spots, as well as in case of outages and congestion. Satcom must be part of the technology mix.

The competitiveness of both automotive and space telecom industries will depend on it. In this sense, it is crucial for Europe to accelerate the development of assets and capacities in this field to compete globally and fill in any potential gaps.

The Symposium aims to map opportunities for space technologies to offer solutions for the car of the future.

Welcome and introductions

10:30 Johannes Springer, Director General, 5G Automotive Association
11:15 Josef Aschbacher, Director-General, ESA
11:15 Elodie Viau, Director, Telecommunications and Integrated Applications Directorate, ESA
11:15 Christoph Voigt, 5GAA Chairman and Head of R&D Connectivity, Smart Antennas & Vehicle2X Technologies. AUDI AG

SESSION 1 Ubiquitous connectivity - a must for the future car?

Carmakers and suppliers discuss the place of connectivity in future business models: what scenarios and use cases are made possible by ubiquitous connectivity? When can/should the car do without, and what is the impact of doing so?

11:15 Andreas Schaller, V2X Technology Strategy, Robert Bosch Mobility Solutions
12:15 Olaf Eckart, Senior Expert Cooperations R&D, Industry Customers, BMW
12:15 Jörg Plechinger, Head of Mobile Connectivity Plattform / Car2X, AUDI AG
12:15 Susanne Schulz, Head of Department Cooperative, Connected and Automated Mobility, Autobahn GmbH

Moderator: Maxime Flament, Chief Technology Officer of 5G Automotive Association



Networking Lunch

SESSION 2 Fostering ubiquitous connectivity – the way forward

Operators invest in terrestrial connectivity to eliminate white spots, but it is not always viable. Hence satellite or aerial solutions must be part of the mix. More investment is needed to connect these areas, but also to commoditize connectivity solutions and systems, to the connected car. What drives the investments for terrestrial and satellite operators? What connectivity solutions are available today and what are the limitations?

13:15

14:15

Yves Bausch, Vice President, Corporate Development, SES
Dennis Nikles, CEO of Deutsche Telekom IoT, Deutsche Telekom AG
Walter Ballheimer, CEO, Reflex Aerospace, UN:IO Consortium
Anela Boese, Co-founder, Stellar

Moderator: **Alexander Satanowsky**, Manager NeXt Scouting, Mercedes-Benz AG

SESSION 3 Breaking out of silos: How can automotive, space and telco work together on R&D to address future connectivity challenges?

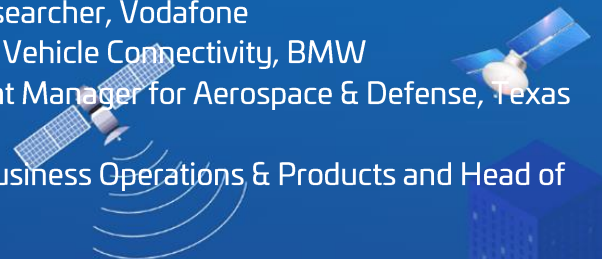
Further alignment between car manufacturers, midstream stakeholders and satellite communication providers is needed to foster innovation. How can we enable suitable solutions for the industry? How can public and private technology investments help pave the way for the connected car? What is the sweet spot between public investments in early-stage, technologically risky technologies, and private investment in closer to market technologies?

14:15

15:15

Antonio Franchi, 5G/6G Strategic Programme Line Manager, European Space Agency
Rowan Chesmer, R&D Future Technologies Researcher, Vodafone
Georg Schmitt, Senior Expert R&D, 5G and V2X Vehicle Connectivity, BMW
Simon Meisel, Sales and Business Development Manager for Aerospace & Defense, Texas Instruments
Andreas Lindenthal, Head of Space Systems Business Operations & Products and Head of Space Systems Germany, Airbus

Moderator: **Teodora Secara**, Innovation and Ventures Officer, Telecommunications and Integrated Applications Directorate, ESA



CLOSING
REMARKS

Joining forces to advance connectivity solutions for the future car

15:15

15:30

Johannes Springer, Director General, 5G Automotive Association, and Lead 5G Automotive Program, Deutsche Telekom

Networking Reception

