

Connected Urban Transport

- **Demo Description:** Out-of-the-box software which enables monitoring, managing and sharing of real time traffic data and road condition data, between people, various modes of transportation and authorities. The demo presents the connection of both Infrastructure assets – such as Traffic Light, Cameras, Variable signs – as well as vehicles, bus fleets and people.
- **Demonstrated Functionalities:**
 - Real-time data from vehicles, roadside infrastructure & travelers.
 - Allow data sharing to proactively deliver timely and accurate information to the right recipients.
 - Reach out with information, warnings and traffic control. Enable vehicles to “talk” to each other, sharing safety critical data automatically
- **Applicability & Technology Value:** In such critical ecosystems it is essential to secure low latency and maximum reliability between the different actors. 5G will support efficiently three different types of traffic profiles:
 - high throughput for e.g. video services
 - low energy for e.g. long-living sensors
 - low latency for mission critical services

5G networks will become the catalyst for the digitalization of vertical markets like automotive, transportation, city management and will offer sustainable and scalable technology to handle:

- anticipated dramatic growth in number of terminal devices
- continuous growth of traffic (at a 50-60% CAGR)

