

The Connected Vehicle Opportunity

IMPROVING QUALITY OF LIFE FOR EVERYONE

The connected vehicle market is one of the highest growth areas in the IoT, delivering the biggest impact on the safety and well-being of citizens, and providing immense revenue opportunities for the mobile and automotive industries.

Road traffic accidents are in the **top 10** causes of death globally across all age groups

90% of vehicle collisions are caused by **human error**



2025
\$198 Bn

By 2025, the **global connected car market** size is forecast to reach **USD 198 billion**. And every year, connected vehicles could

Save **11,000** lives



Lead to **260,000** fewer accidents



Avoid **400,000** tonnes of **CO₂ emissions**



Save **280 million** hours of **driving**

CONNECTING VEHICLES WITH C-V2X



C-V2X (Cellular Vehicle-to-Everything) is an enhanced 3GPP LTE standard that describes a set of technologies enabling communication messages between vehicles, infrastructure, people and the mobile network. Its uses and benefits include **enhanced safety, more efficient driving, reduced traffic congestion and pollution, and value-added services** for end customers.



- + Commercially available today, leveraging the established 4G LTE network infrastructure
- + Highly reliable, real-time communication at high speeds and in high-density traffic
- + Superior levels of security, range, latency and reliability compared to DSRC/802.11p
- + Support of a strong global ecosystem – over 130 leading companies from the mobile and automotive industries
- + Based on internationally recognised, interoperable security standards
- + Seamless evolution from 4G to 5G

1.3x – 2.9x

range advantage over DSRC/802.11p in line of sight, non-line of sight and under interference conditions



4G



Higher capacity, ultra-low latency, enhanced reliability, longer range and higher throughput

Backwards compatibility



Fully autonomous driving

Societal benefits, value-added services and business opportunities at scale



5G