Connected vehicles and the future of mobility

Solutions from G+D help you maximize customer satisfaction

As the car increasingly becomes an extension of the consumer’s digital life, fully connected with new levels of services and in-vehicle entertainment, the automotive industry is adapting to innovate first-class experiences for the consumer. Widespread embedded cellular connections are enabling new ways to inform and entertain drivers, as well as maintain the vehicles over their lifecycles.

Find out how G+D’s connected car solutions can help you transform your business to meet consumer demands.

Flexible connectivity

Vehicles are an integral part of the connected lifestyle. Consumers expect personalized and flexible user experiences.

With two independent and embedded SIMs in the vehicle, this becomes reality. One eSIM is for the car’s telematics (software updates, iCall, navigation etc.) and the other for the private in-vehicle infotainment systems and smartphone apps. Connectivity makes cars road safe, but it’s important to make them future-proof.

Future-proofing

With the rise of the Internet of Things (IoT) and autonomous driving, vehicles will connect and exchange data with other vehicles, infrastructure, and consumers’ personal devices.

Vehicle eSIMs must be robust, secure, and function over the entire lifetime of a vehicle. In addition, they must enable years of smooth operation, be flexible to handle multiple services, and be ready to support innovation in the future.

New mobility, new experiences

In the new mobility, drivers will look at cars differently – from sharing cars to using them as a space to consume media, conduct work, and make calls. Owned and shared vehicles alike will need to allow flexible personalization based on user profiles.

Therefore, software and data-based services will play a significant role in future driving.

Digital car key

Most new cars communicate with their drivers through remote keyless systems and smartphone apps. Connectivity makes cars road safe, but with new capabilities come new vulnerabilities, which can be exploited by hackers. Security must evolve along with connectivity if vehicles are to stay safe.

In the long run, digital keys will connect with more ecosystems and carry more functions amid the trend of smart mobility.

Managing trusted connectivity

Giesecke+Devrient (G+D) is a global security technology group and leader in connectivity management for the IoT. In the automotive sector, our eSIM management solution is leading with 1 in 3 connected cars being enabled by G+D. We at G+D ensure that the automotive solutions of tomorrow provide secure, trusted connectivity, as well as personalized services. Data integrity and privacy have to be guaranteed end to end. Read more at www.gi-de.com

2. McKinsey – Unleashing the full life cycle value from connected car data, 2020
3. ABI Research – 5G will shift C-V2X into high gear, 2020
6. Technavio – Automotive Digital Key Market, 2021

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