V2X & TELEMATICS

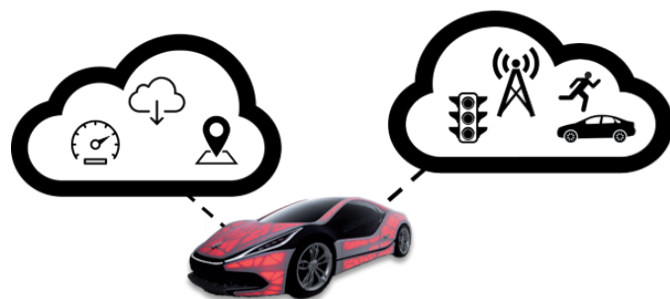## CONNECTIVITY AND VEHICLE TO EVERYTHING COMMUNICATIONS

YOUR GLOBAL MOBILITY ENGINEERING EXPERTS

The ways we travel are changing and this transformation will shape the future of mobility, creating a new network of personal mobility. For the mobility world our team continues to provide engineering services for **Connectivity and Vehicle to Everything (V2X)** Communications.

Cooperative Intelligent Transport Systems (C-ITS) and V2X systems enable vehicles to communicate to other participants on the mobility network. With this increased integration a large number of connectivity-related use cases need to be supported: for example, in the areas of safety, traffic efficiency, convenience and autonomous driving.

Decoding **region specific V2X requirements** together with advising customers to handle the sheer complexity of integrating V2X systems to new vehicle platforms is a challenge we are addressing with OEM's. Our well established teams, ensure **robust requirements capture for V2X systems.**

Taking our knowledge and expertise a step further, we can advise on **integrating ADAS functions to V2X** in a Safe and Secure fashion in combination with On-board systems like GNSS to enable precision accuracy for vehicles with higher levels of autonomy. We make every possible effort to provide an impartial and informed consultation.

Our areas of Competence

- Antenna Systems
- Security of Telematics/V2X systems
- Software over the Air (SOTA) / Diagnostics

Our Solutions

- Decoding regulations
- TCU and V2X requirements capture
- TCU and V2X Integration

Standards

- ETSI ITS , DSRC and C-V2X
- Telecom 3GPP based C-V2X
- PKI based C-ITS Security

Support from Solution Design to Testing

Our expert team provide support from solution development to product testing and production.

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