V2X ARCHITECTURE AND FEATURE DEVELOPMENT

V2X Architecture Definition, Applications Development, and Validation for a European OEM

Architecture definition and development

- Radio agnostic and platform independent architecture

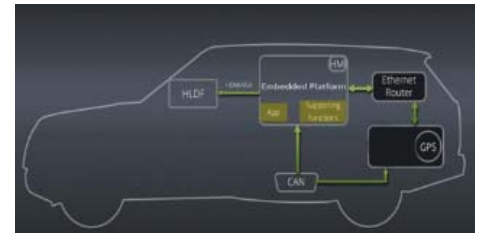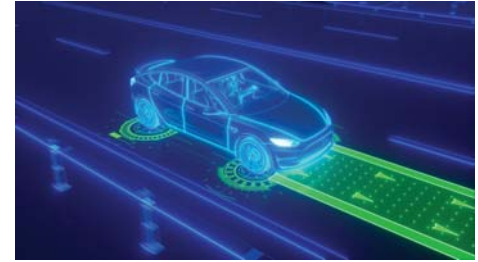## V2X algorithm and application development

- Emergency Electronic Brake Light (EEBL)
- Intersection Collision Risk Warning (ICRW)
- Emergency Vehicle Warning (EVW)
- Collaborative Parking (CoP)
- Green Light Optimal Speed Advisory (GLOSA)
- In Vehicle Signage (IVS)
- Cooperative Adaptive Cruise Control (CACC)
- Road Work Warning (RWW)
- Floating car data
- Convoy assist and sensor sharing

V2X application integration in vehicle and testing

- Bench testing using Veins simulator
- Integrated V2X module and antenna in vehicle
- Vehicle level testing in test track and road scenarios
- Data logging and analysis
- Tested V2X interoperability among multiple OEM

Standards followed

- European Telecommunications Standards Institute (ETSI)
- Car2Car (C2C) consortium

Images are for illustration purposes only

MARKET	BUSINESS BENEFIT	DELIVERY MODEL	WHAT'S NEXT
UK	Quicker time-to-market	Fixed, onsite	System integration and production ready architecture