

## Automotive Connected Mobility Solutions

# Telematics Control Unit



telematics

Platform-based development and manufacturing of customer specific telematics gateways. Supporting and/or realising product development projects of our clients from start to finish, from concept to ready-to-integrate products.

- tire pressure
- acceleration & shock
- temperature
- battery charge & status
- on-board weighing
- geo-positioning & tracking
- access control
- FOTA



application



infotainment

### CONSULTING

- requirement specification
- technology assessment
- solution specification

### DEVELOPMENT

- hardware & software
- RF design
- system integration
- FMEA

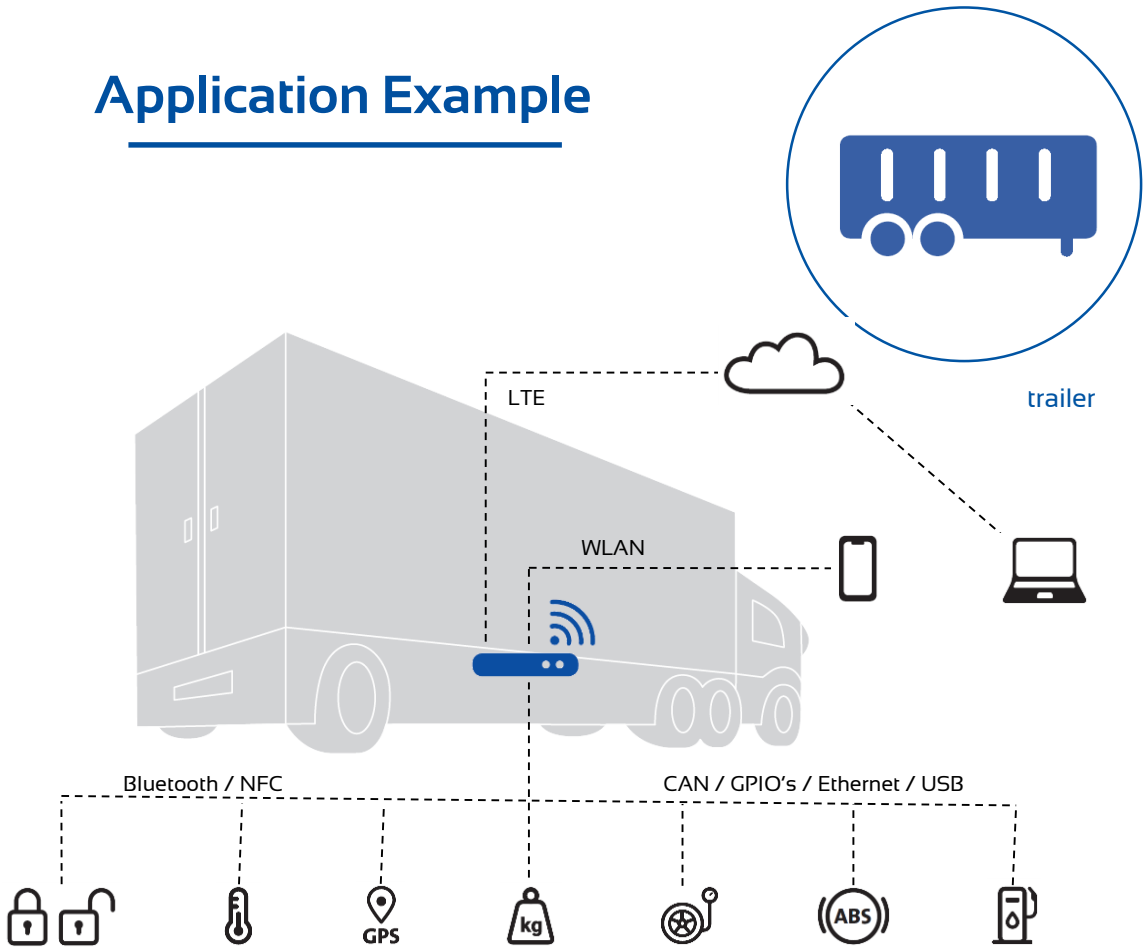
### CERTIFICATION

- error analysis
- product qualification (LV124, VW80000)
- product certification (CE/RED, KBA)
- country certification (FCC etc.)

\* manufacturing services available (from prototype to small & volume quantities, electronics, housing, cable harness etc.)



## Application Example



- cellular communication via 4G/5G/LTE-Cat-M/Cat-1 and NB-IoT
- short range wireless communication via WiFi and Bluetooth
- wired communication via CAN, GPIO's, automotive Ethernet and USB 3.0
- IP 6K9K housing (standard off-the-shelf or customised)
- modular PCB design for cost optimisation at lower volumes (standard base board + customisable aux board)
- external antenna optional