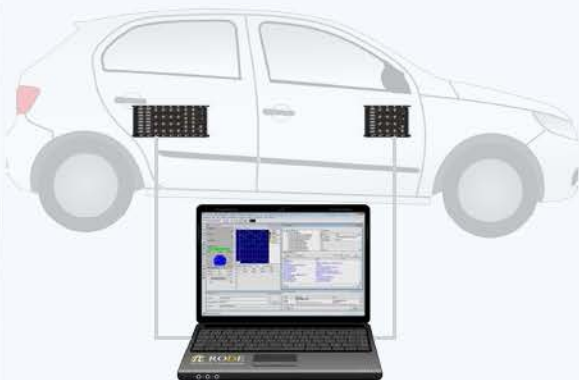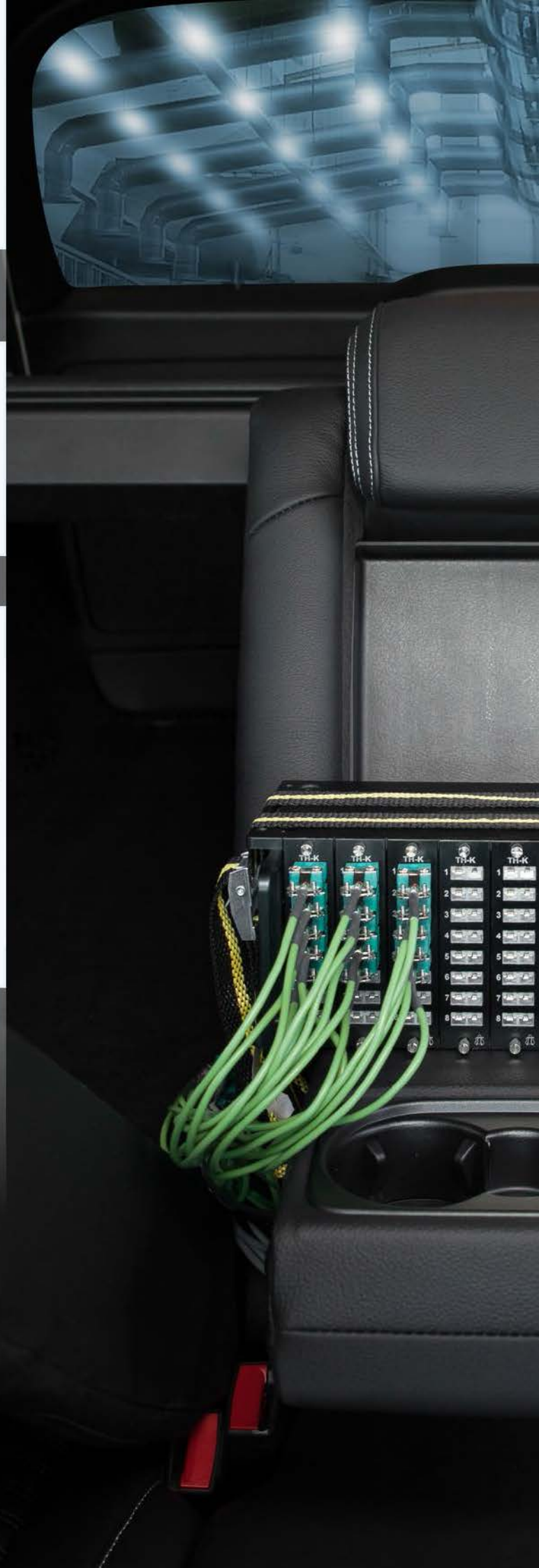# CANLOG IN APPLICATION

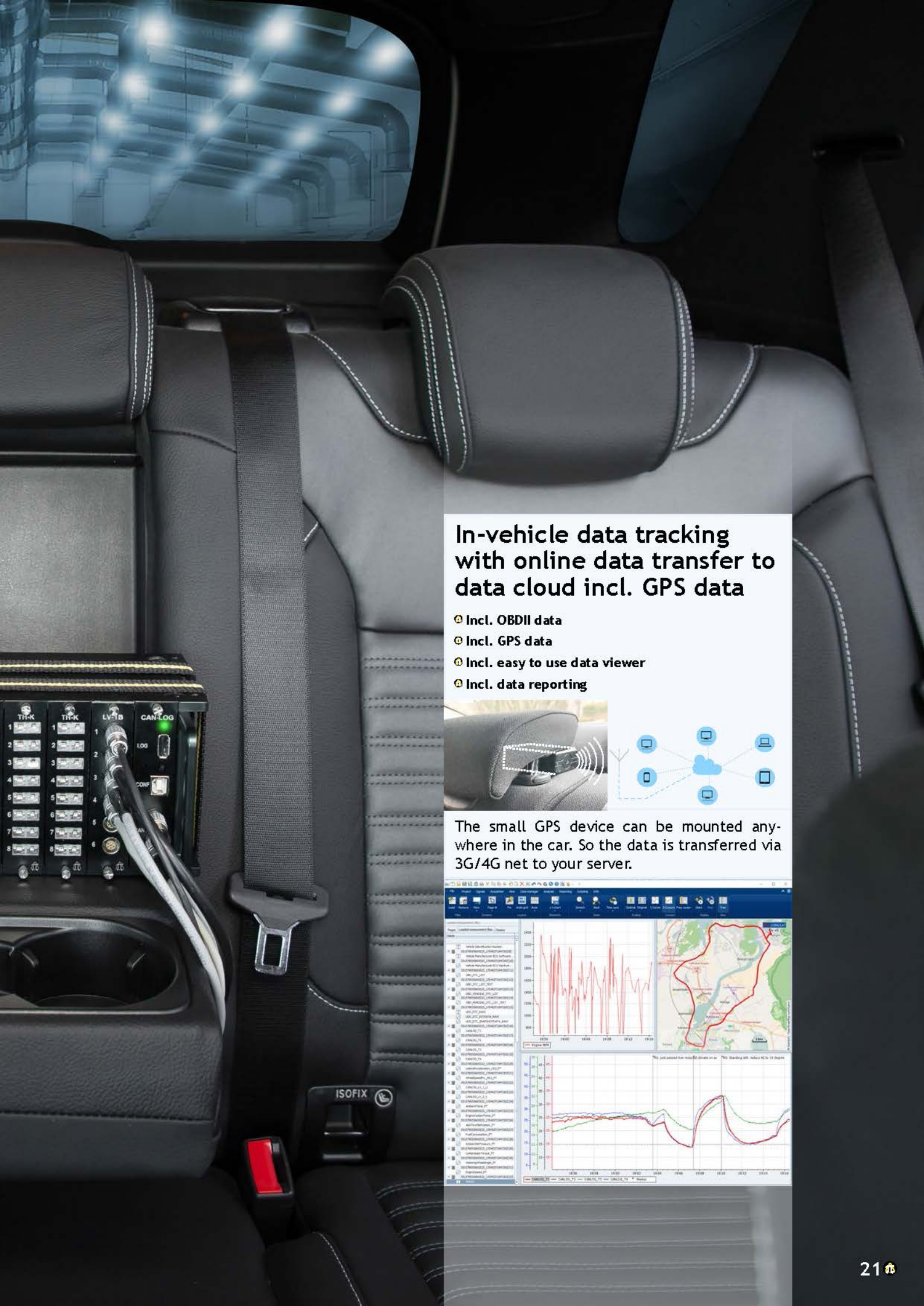## Climate test chamber applications

The CANLOG provides additional analogue channels via CAN-bus to standard software packages like CANape®, INCA, IPEmotion®, DEWESoft®, LabView® or others ...

IN car applications
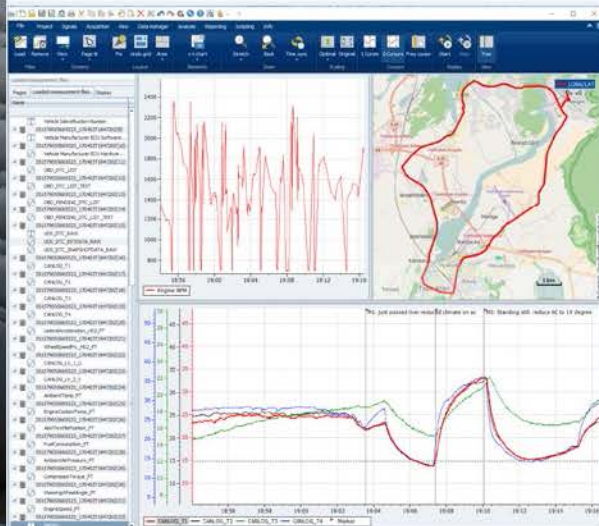
Using the CAN interface to ETAS INCA software

In-vehicle data tracking with online data transfer to data cloud incl. GPS data

- Incl. OBDII data
- Incl. GPS data
- Incl. easy to use data viewer
- Incl. data reporting

The small GPS device can be mounted any-where in the car. So the data is transferred via 3G/4G net to your server.

BATTERY TESTING APPLICATION

The battery strongly affects performance and range of electric vehicles. Extensive tests are necessary: starting from the cell-characteristics up to tests for the whole battery packs. Detailed analysis requires measurement of different parameters (temperature, voltage, current, etc.) at multiple points. Our flexible and scalable solution allows the measurement of more than 1000 channels within one instrument, perfectly synchronised. CANLOG - for R&D applications as well as for battery monitoring applications.

Battery Testing

- ⊕ Cell characterization
- ⊕ Misuse tests:
    Crash test
    Short-circuit test
    Overheating- overloading-
    Overcharge- test,
    Forced discharge test,
    Impact test
- ⊕ Endurance & Ageing tests

Synchronous Acquisition of multiple parameters

- ⊕ Voltage
- ⊕ Current
- ⊕ Power / Energy
- ⊕ Temperature
- ⊕ Humidity
- ⊕ Pressure
- ⊕ Vibration
- ⊕ Force
- ⊕ Thermal imaging camera
- ⊕ High-Speed camera (300 fps)

Battery Monitoring

- ⊕ Data Logging
- ⊕ Transient Recording
- ⊕ Charge-discharge analysis, Charging Profile
- ⊕ Energy, Efficiency, Losses, Recuperation