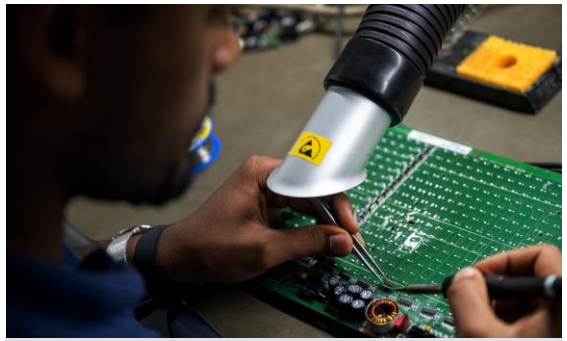
Competence center for electronic components

Full power for your vehicle fleet

InnoTrans 2026

Electronics expertise throughout the entire life cycle

Repair on component level



Overhaul of electronic components
(e.g. replacement of worn components)

Reproduction & re-engineering of discontinued components

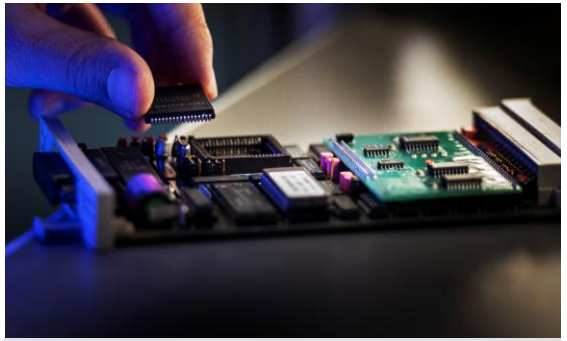
Consistently vendor neutral

Your added value

End-to-end maintenance solutions — from concept to approval

Repair instead of replacement — fast and cost-effective

Long-term availability – even after the manufacturer has discontinued the product



Extensive expertise in obsolescence management

Portfolio statement

Control electronics
- Door controls
- Measurement amplifiers
- Brake controls
- Climate control units
- Toilet controls
- Low-voltage relays

GSM-R onboard equipment
- Onboard train radio equipment

Controls
- Temperature controls
- Audio modules
- Control modules for restrooms
- Setpoint transmitters
- Handsets
- Keypads
- Emergency switches

On-Board electronics
- Inverters & converters
- Chargers
- Heating & power supply

Electromechanics
- Main switch assembly
- Control contactor
- Power contactor
- Speed sensor
- Relay
- Overvoltage protector

Passenger information, diagnostics, EBuLa
- Train destination displays
- Driver‘s cab terminals
- EBuLa devices
- Vehicle diagnostic equipment

Obsolescence management

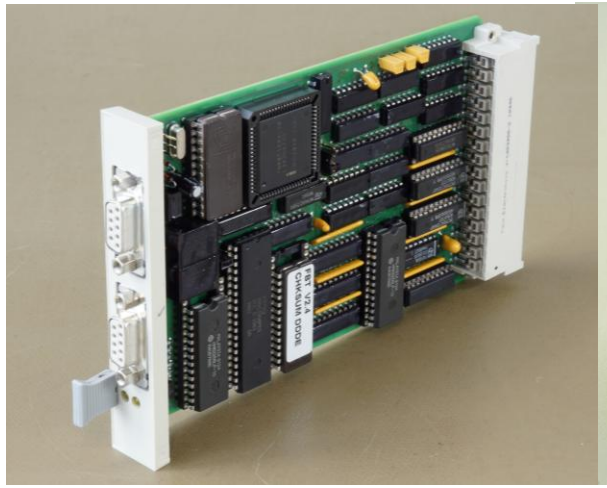
Obsolescence risk analysis
- Analysis of components and their parts for obsolescence risks using OM databases
- Annual monitoring of components identified as critical

End-of-life stockpiling / Spare parts management
- Stockpiling using appropriate long-term storage technologies

Reproduction / Reengineering
- Cost-effective reverse engineering of discontinued components / circuit boards using established processes
- Reproduction based on original specifications and qualification in accordance with relevant standards

Example: Replica
BK2 RS485 Bus Coupler

Original:



Reproduction: