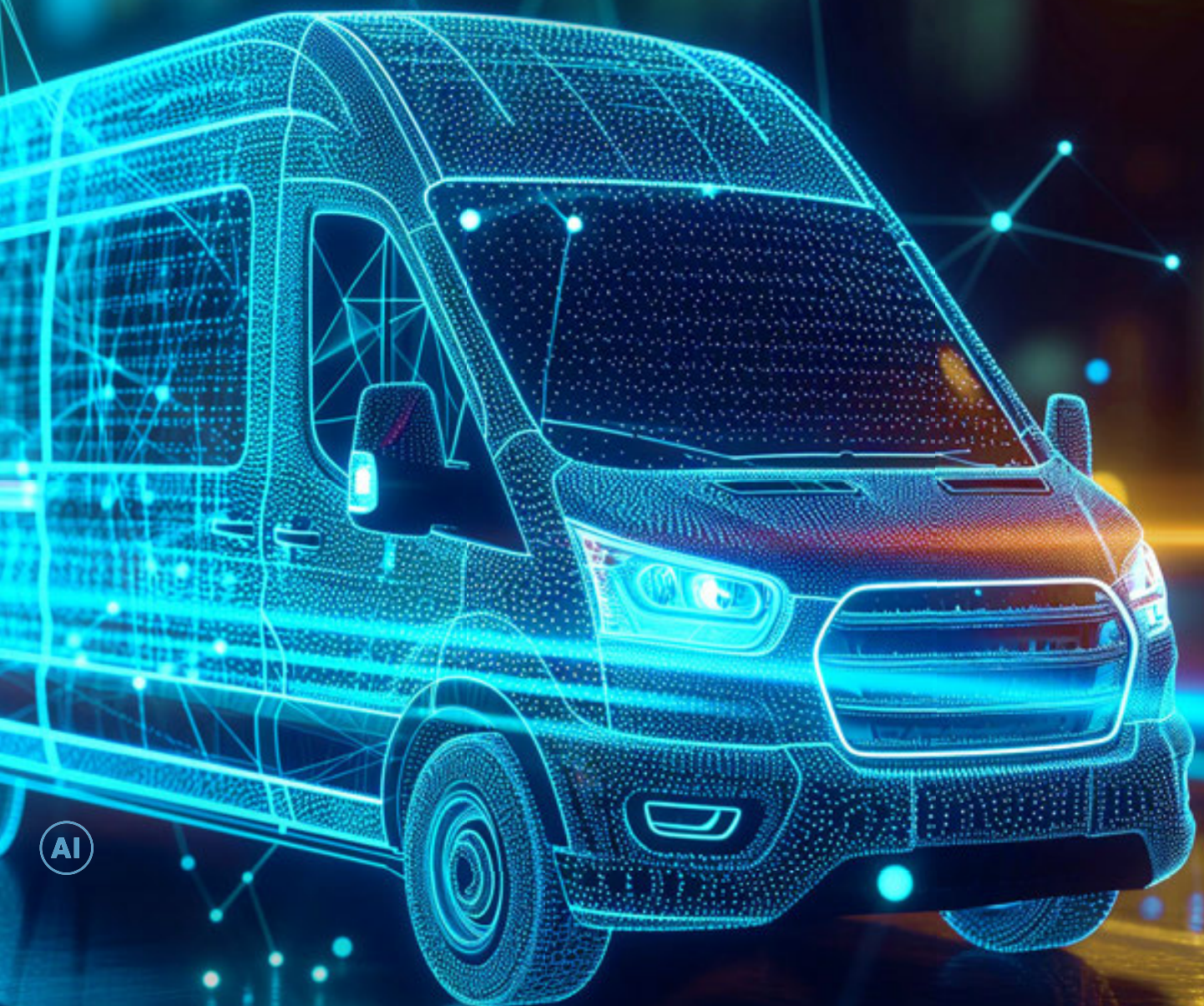


INTELLIGENT COOLER SOLUTIONS

CONNECTING ALL ROAD TRANSPORT



AI



BENEFITS

Increase transparency, efficiency and safety through digitalisation of transport and logistics

Visibility

- Overview of your transport operation, for improved utilisation and efficiency.
- Usage data and vehicle location for easy dispatching and service planning.

Cost Reduction

- Avoidance of unscheduled downtimes.
- Error codes for planning repairs with the maintenance calendar and ensuring parts availability.

Alarming

- Comprehensive alarm function to pro-actively alert relevant personnel.
- Exception reporting of specific data or events.

Efficiency

- Comprehensive operational data, such as location, status, trips, downtimes and availability.
- GPS location, load, refrigeration unit fuel tank level and tyre status etc. for ease of job planning.

Quality

- Comprehensive vehicle, freight and temperature data.
- Operational service quality through route tracking, temperature reporting and loading/unloading.
- Proof of the cold chain.

Security

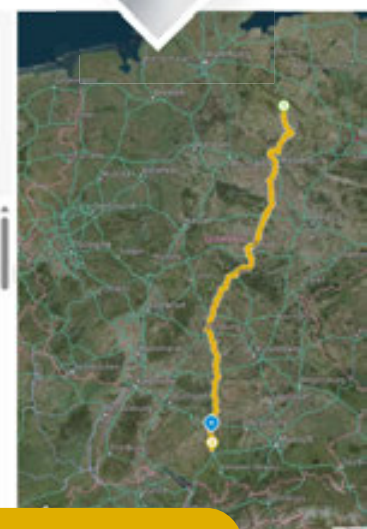
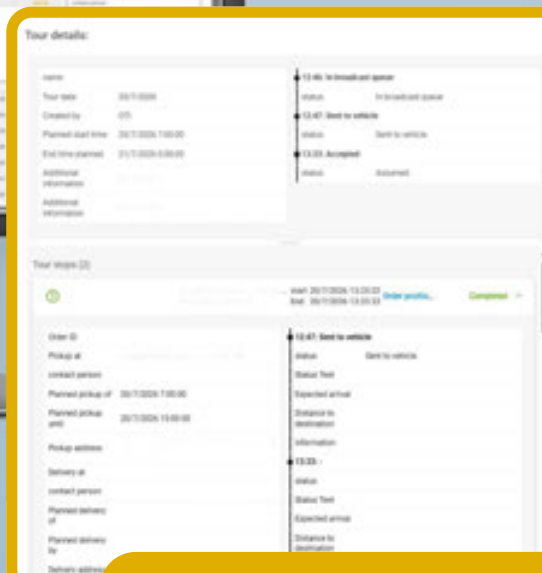
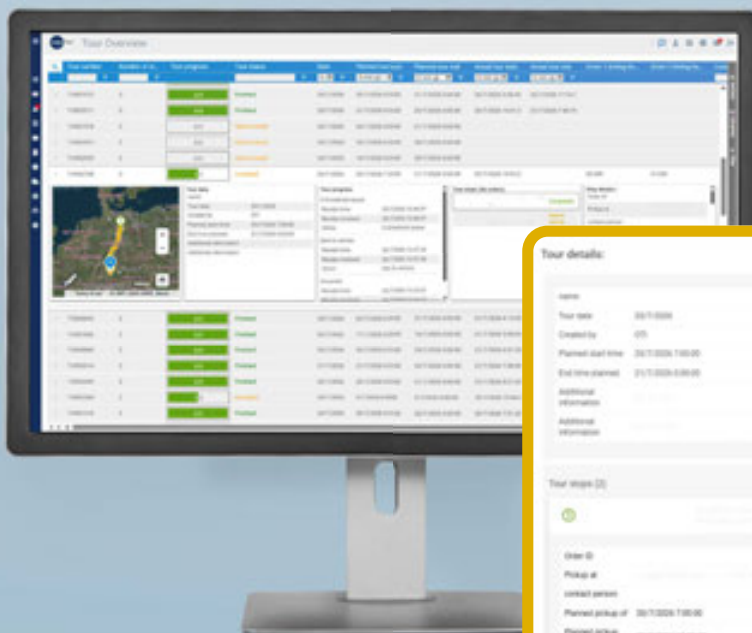
- Prevention of cargo contamination or cargo theft.
- Detection of unauthorised access.



With our **all-in-one portal cargofleet 3**, you can always monitor your fleet.

- Overview of each individual vehicle's location and status
- Full history report of vehicle's movements
- Activity reports and temperature graphs
- Vehicle's technical and cooler information
- Alerts with email and SMS notifications
- Comprehensive reports in PDF or XLS format
- Management of points of interest and geofences
- Vehicle and user administration
- TourMonitor for tour-based alarm configuration and data forwarding incl. reporting and tracking page
- Maintenance calendar for planning workshop visits
- cargofleet assistant: answers questions about the fleet or individual vehicles based on the available data

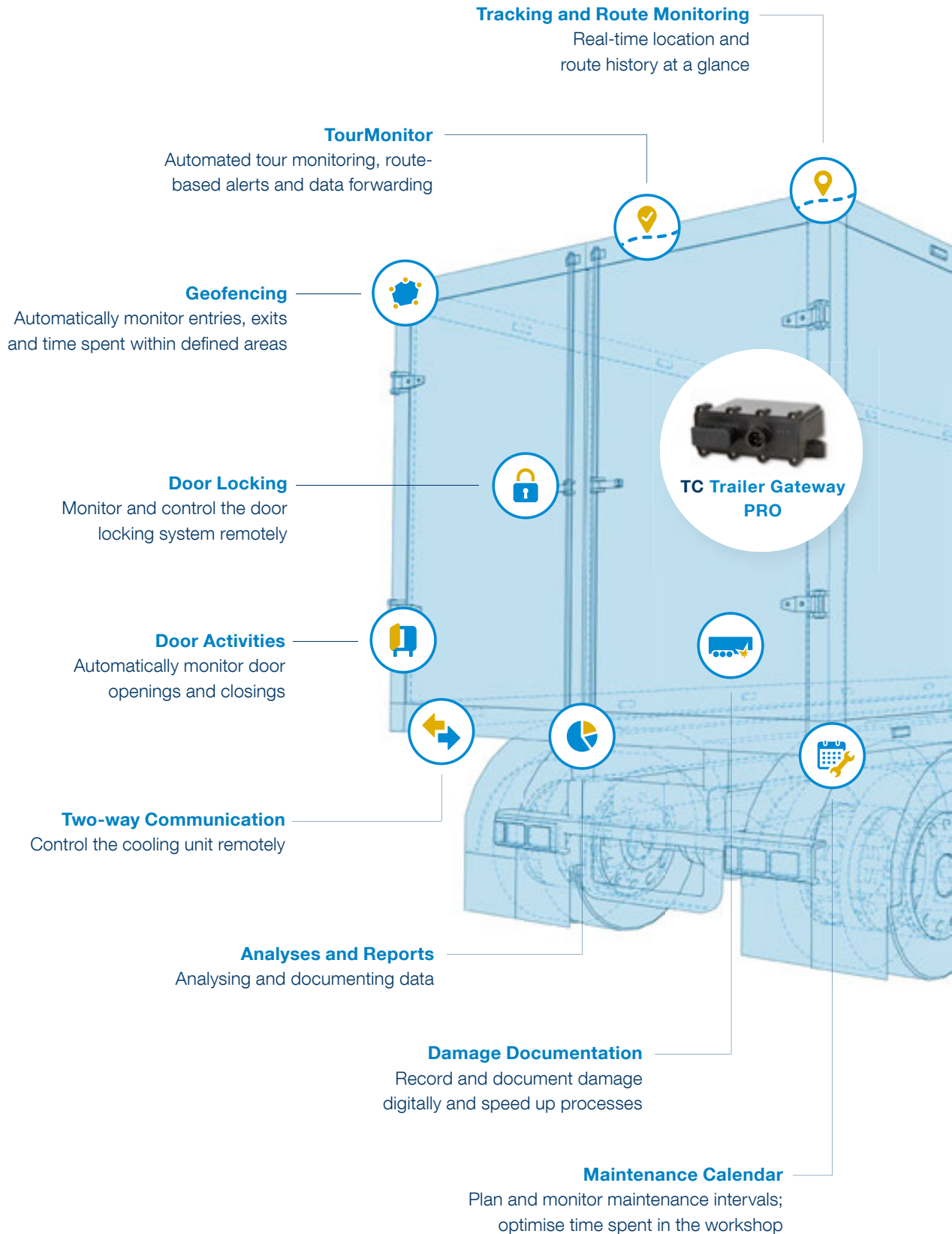
With AI
more efficient
+ based on your
fleet data



Accurate maps from HERE Technologies

SOLUTIONS

New Intelligent Telematics Functions



EFFICIENCY
COOLER DATA
ROAD SAFETY
MAINTENANCE
SECURITY

GDP Certificate

Optimised for pharmaceutical transport

Temperature Monitoring

Provide reliable evidence of unbroken cold chains. Trigger automatic alerts in the event of temperature deviations

EN12830

Temperature logger function in accordance with EN12830, including data transmission and storage, as well as a print function

App Connect

Installation and configuration via the app; temperature logger readings can be accessed via the app

Maintenance and Diagnostic Data

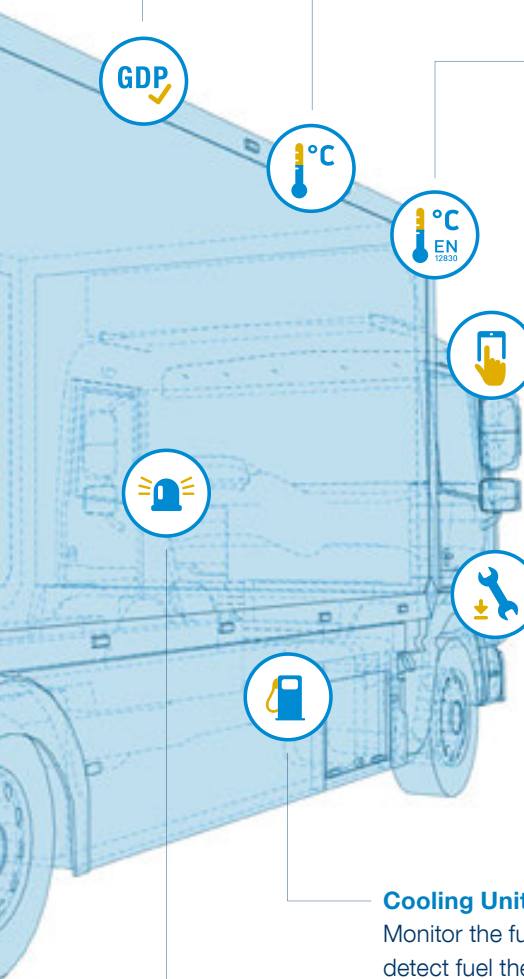
Transferring and analysing maintenance and diagnosis data

Cooling Unit Fuel Level

Monitor the fuel level and detect fuel theft

Alarm Management

Detect critical events at an early stage





internet of
transport

Our telematics connects various transport components on one integration platform. Through open interfaces to partners, a continuous information chain without loss of data. Your data is securely stored and archived.

OUR TELEMATICS
SOLUTION IS THE HEART OF
YOUR TRANSPORT PROCESS

COOLER-TELEMATICS

Our telematics terminal for monitoring cold chains
in accordance with EN12830 – not just for trailers

TC Trailer Gateway PRO

Integrated TempMonitor/Recorder

In combination with the ConnectApp,
TC Trailer Gateway PRO replaces a
conventional temperature recorder and
offers the following features:



 Satellite Positioning

 Track & Trace

 Geofencing

 TourMonitor

 Truck & Trailer Coupling

 Stock-Management

 Maintenance

 Battery Heating

 Alarming

 Reporting

 EBS Data

 Tyre Pressure

 AirSave Tyre Pressure Control System

 Brake Pad Wear (EBS)

 EBPMS

 Data Transfer via BLE

 Service App

 DoorMonitoring

 DoorLock

 TempMonitoring

 TempRecording EN12830

 GDP Certified

 Reefer fuel level

 2-Way-Communication

 Print temperature via BLE

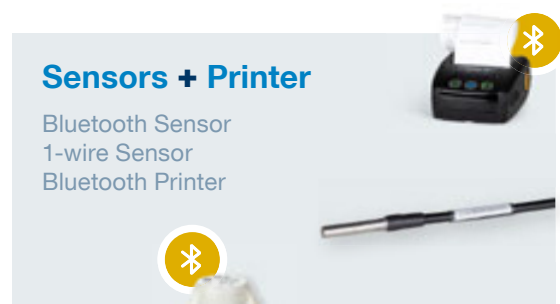
 Digital Input

 Digital Output

 Damage Management

Sensors + Printer

Bluetooth Sensor
1-wire Sensor
Bluetooth Printer



HARDWARE

Telematics devices and displays for all vehicle types

TRAILER

TC Trailer Gateway BASIC

Integrated TempMonitor

Accessories:
Sensor tire pressure/temperature tool free
Temperature sensor
Door contact switch
Beacon for truck identification

for ② ⑥



 + 433 MHz

TC Trailer Gateway PRO

Integrated TempMonitor/Recorder TireMonitor

Accessories:
Sensor tire pressure/temperature tool free
Temperature sensor
Door contact switch
Beacon for truck identification

for ② ③ ④ ⑥



Bluetooth + 433 MHz

Start-up and configuration
Garage service
Driver communication
Door contacts and tire pressure
Print temperature via BLE
Truck identification

System openness
Extensive interfaces
Easy to install


2G + 4G
incl. GPS,
GLONASS,
etc.



THIRD-PARTY DEVICES

① Speedometer

Continental/VDO,
Stoneridge
Intellic/EFAS

② EBS

WABCO,
Haldex,
Knorr

③ Refrigerator

Thermoking, Carrier,
Frigoblock*,
Mitsubishi*

④ Temperature recorder

Euroscan, Transcan,
Touch Print, DataCOLD

* only in connection with TC Trailer Gateway PRO

DISPLAYS + FREIGHT

TC Display V3



Bluetooth Sensor

Requirement:
TC Trailer Gateway
BASIC or PRO



1-wire Sensor

Requirement:
TC Trailer Gateway PRO



Bluetooth Printer

Requirement:
TC Trailer Gateway PRO,
cargofleet Connect App or
cargofleet Driver App SL



TRUCK

TC Track OBD 4G



TC Truck BASIC 4G

integrated K-Line Adapter

Accessories:
FMS Adapter

for ① ③ ④ ⑥



TC Truck COOL 4G

integrated K-Line Adapter

Integrated TempMonitor

Accessories:
FMS Adapter
TC Trailer Gateway PRO

for ① ③ ④ ⑥



TC Truck COOL TR 4G

integrated K-Line Adapter

Integrated TempRecorder

Accessories:
FMS Adapter
TC Trailer Gateway PRO

for ① ③ ④ ⑥



⑤ Telematics devices ⑥ Tablets/Smartphones

Schmitz Cargobull,
Krone Telematics,
Thermoking, Fleetboard,
Transics/Wabco, etc.

APPS



cargofleet 3 Web Portal

Comprehensive telematics
portal for all idem devices as
well as third-party telematics



cargofleet Driver App S+SL Stand alone

S: Truck-trailer data
SL: Logistics processes,
work flows, temperatures,
alarms and technical data



cargofleet Service App

Installation
Diagnosis



cargofleet Connect App

Print temperature report on site



cargofleet TyreChange App

Configuring tyre pressure sensors



cargofleet Driver Check App

Central driving licence check

FEATURES

Telematics functions for
freight, driver and vehicles



Choose from an extensive range of functions: Track and Trace, Temperature Management, Order Management and Communication, and Driver Management.

Data analysis and many useful additional functions relating to your transports create security and transparency across all phases of your transport process.

Always
monitoring the
fleet with smart
questions

track + trace satellite positioning geofencing



temperature monitoring



temperature recorder



GDP certified installation



tyre monitoring



AirSave



brake pad monitoring (EBS)



EBPMS



brake wear estimation



maintenance and diagnostics



maintenance calendar



FMS data



OBD data



EBS data



tank level of the cooling unit



anomaly detection



order processing



TourMonitor



tour-based data forwarding



loading/unloading control



messaging



ETA calculation

goods identification



driver status



truck navigation



documentation of damages



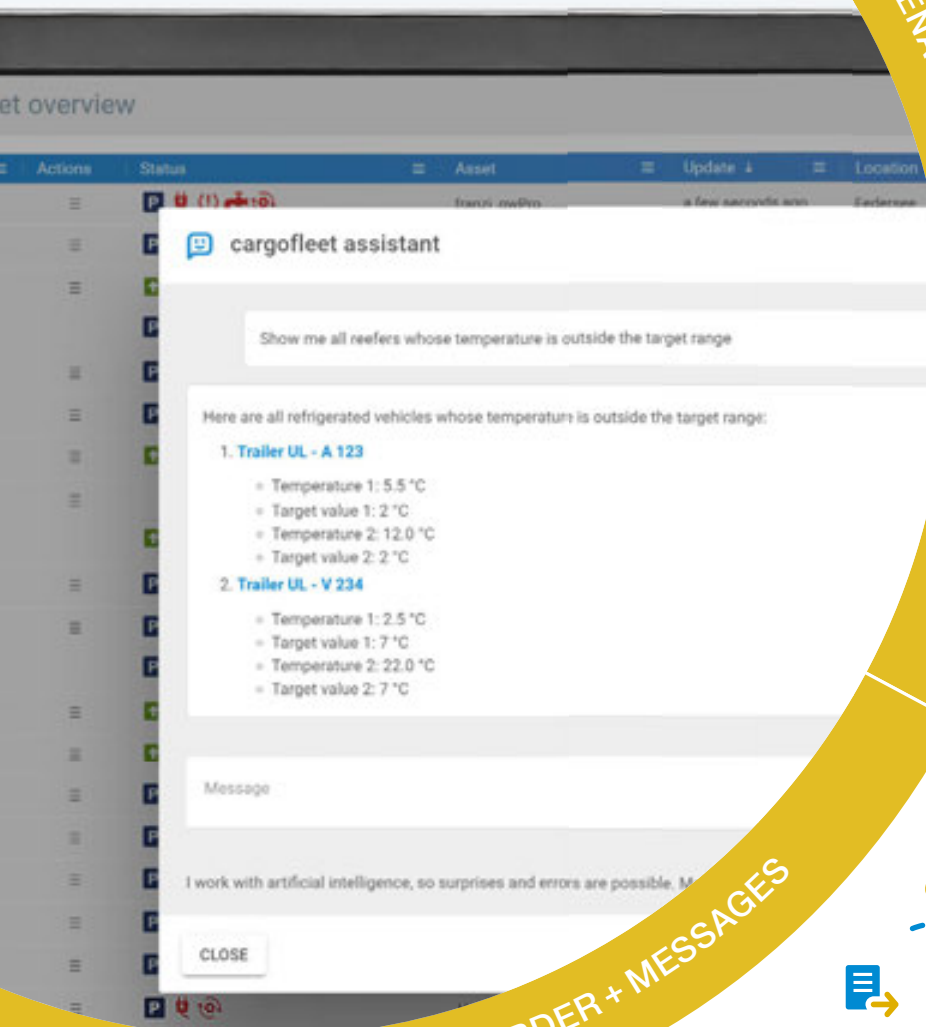
ORDER + MESSAGES

MAINTENANCE + DIAGNOSTICS

TEMPERATURE

TRACK + TRACE

KI Chatbot 
cargofleet assistant



AI based on your fleet data



About idem telematics GmbH – connecting all road transport

As Europe's leading brand-independent telematics partner, idem telematics supports freight forwarders, fleet operators and shippers in continuously optimising their core business using data – thereby sustainably increasing profitability, customer satisfaction and competitiveness.

At the same time, idem telematics is a strong and independent partner for vehicle manufacturers, supporting them with modular telematics solutions.

Our solutions can be easily integrated into your existing systems. They are manufacturer- and fleet-agnostic and suitable for businesses of all sizes and business models. Our process consultants will be happy to assist you – even on-site!

Our range of services includes a wide variety of hardware and cargofleet3, Europe's leading all-in-one telematics platform for trucks, trailers, freight and logistics. The intelligent networking of freight, drivers and vehicles creates a holistic system that ensures maximum transparency and increases efficiency throughout the entire logistics chain.

Our customers value our strong customer focus and high flexibility in meeting individual requirements, based on over 25 years of experience in telematics, transport and logistics.

idem telematics is a subsidiary of the BPW Group.

