

INTELLIGENT

COOLER

SOLUTIONS

CONNECTING ALL ROAD TRANSPORT



BENEFITS

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

Visibility

- Overview of your transport operation, allowing 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

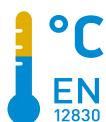
- Comprehensive operational data, such as location, status, trips, downtimes and availability.
- GPS location, load, refrigeration unit fuel tank level and tyre status etc. for ease of job planning.

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.

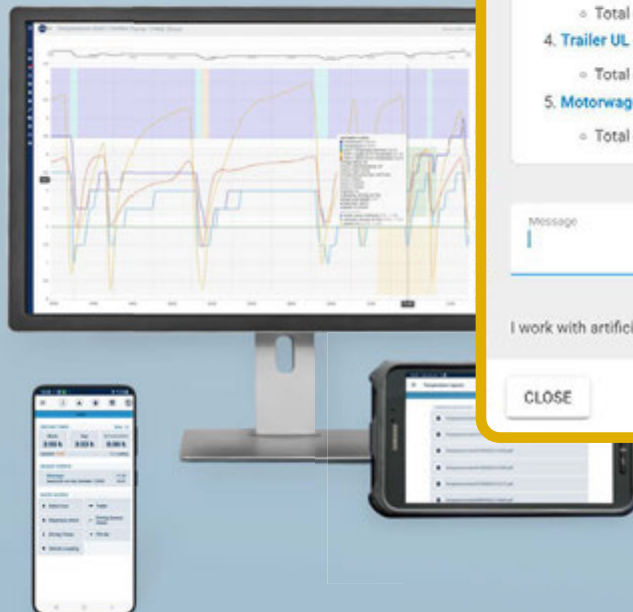


With our **all-in-one portal cargofleet 3**, you can always monitor your fleet.

NEW with AI

With AI more efficient + based on your fleet data

- 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
- Setting up 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



cargofleet assistant

List all vehicles and their duration of door opening on August 7th

Here are the vehicles and their total duration of door opening on August 7th, 2024:

1. **Trailer UL - A 123**
◦ Total duration: 42 minutes
2. **Trailer UL - V 234**
◦ Total duration: 4 hours, 5 minutes
3. **Trailer UL - H 271**
◦ Total duration: 1 hour, 50 minutes
4. **Trailer UL - U 089**
◦ Total duration: 15 minutes
5. **Motorwagen UL - H 273**
◦ Total duration: 3 hours, 55 minutes

Message

I work with artificial intelligence, so surprises and errors are possible. Make sure to verify important data.

CLOSE

SOLUTIONS

New Intelligent Telematics Functions

Tracking and tracing make it easy, to find out where your vehicles are, how they move and where they stay and for how long.

The **TourMonitor** enables automatic alarm configurations, ETA calculations as well as automated data forwarding and reports.

With **geofencing** you specify an area and then have it monitored to see if vehicles or freight enter it, leave it, and/or how long they stay in it. You can receive notifications via e-mail or SMS.

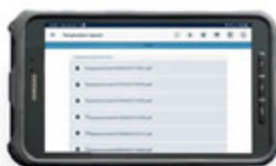
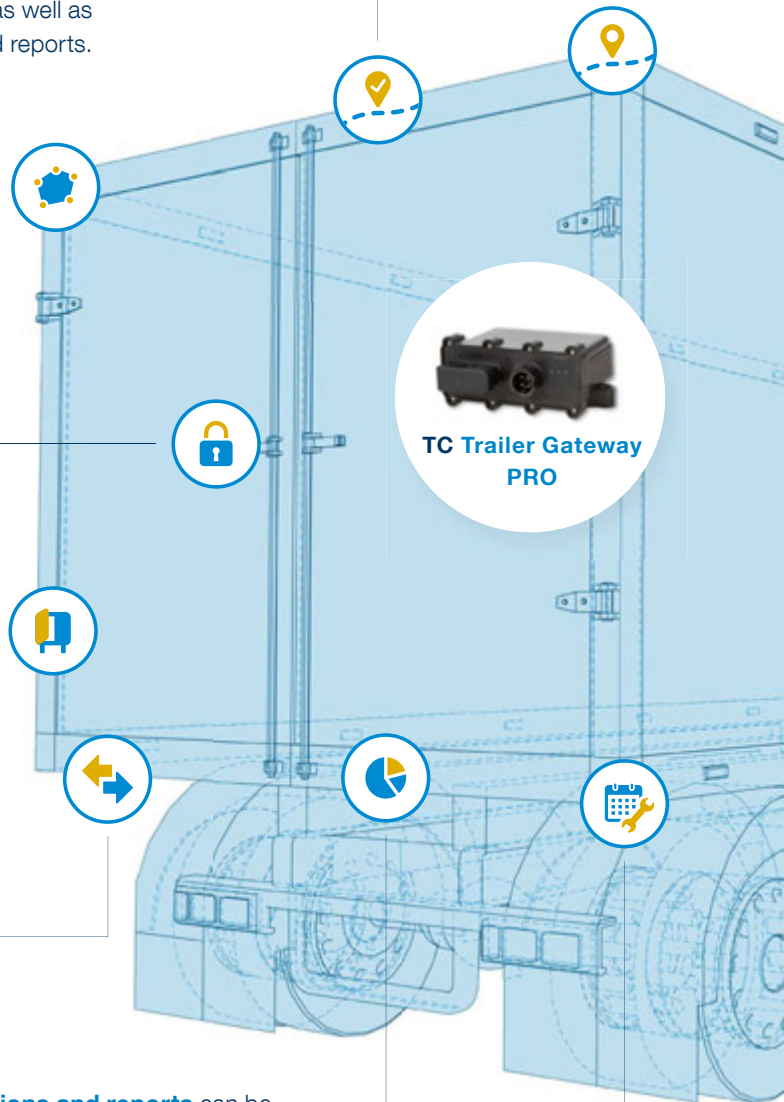
Remotely monitor and control your vehicles' **door locking**. You can choose between „remote control“ or local control of the doors.

The permanent **monitoring of door activities** increases the security of the freight against unauthorised access. The opening and closing of the door, as well as vehicle data (position, temperatures, door status) are automatically communicated to the headquarters with a time stamp.

The **2-way-communication** even allows you to control the refrigerator unit settings and door locking remotely.

Detailed **evaluations and reports** can be created ad hoc, time-controlled or event-based. These reports support you analysis and optimisation of your processes.

The **maintenance calendar** combines telematics functionalities with maintenance planning and specifically assigns and monitors maintenance cycles for vehicles. These can be created individually or adopted from the manufacturer and are based on time, kilometres or operating hours.



EFFICIENCY
COOLER DATA
ROAD SAFTY
MAINTENANCE
SECURITY

The **GDP certificate** from an independent service provider (EIPL) serves as your proof of the correct installation and GDP-compliant functionality of your telematics devices.

To verify **temperature monitoring** and a gapless cold chain you can avail of the data from the cooling unit or the temperature recorder. All temperature information is always available for you online and you can choose to be conveniently notified via alarm in case of deviations. If needs be, you can then take necessary action.

Temperature monitoring **certified according to EN12830** also makes it possible to save on a classic temperature recorder. This function is taken over by the telematics. All certified temperatures are signed transmitted and stored. Via an app in the vehicle the temperature data can be read out and **printed out if required**.

The **app connect** function enables telematics devices to be linked with mobile devices such as phones or tablets. This allows for direct communication with the driver as well as easy installation/configuration.

Maintenance and diagnostics data can be automatically read out, thus allowing you to optimise workshop and availability planning.

Monitoring of the tank's fuel level in the cooling unit ensures the efficiency of the cooling and helps in identifying manipulations and fuel theft. The fuel level is shown on an LED display and can be accessed on the portal for analysis and alarms.

A comprehensive **alarm management** promptly informs you of any deviations from your limit values. For example, this allows undesired temperature deviations to be swiftly remedied, while you will also be automatically informed in case of the unauthorised opening of doors.





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

 Digital Seal

 TempMonitoring

 TempRecording EN12830

 GDP Certified

 Reefer fuel level

 2-Way-Communication

 TempRecording via BLE

 Digital Input

 Digital Output

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

DISPLAYS + FREIGHT

TC Display V2



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



Bluetooth + 433 MHz

Start-up and configuration
Garage service
Driver communication
Door contacts and tire pressure
TempRecording via BLE
Truck identification
Brake Pad Wear
EBS and EBPMs
AirSave Tyre Pressure Control System
Battery Heating
Digital Input + Output

System openness
Extensive interfaces
Easy to install


WLAN,
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

 **TRUCK**

TC Truck XS 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

Integriert TempMonitor

Accessories:
FMS Adapter
TC Trailer Gateway PRO

for ① ③ ④ ⑥



TC Truck COOL TR 4G

integrierter K-Line Adapter

Integriert TempRecorder

Accessories:
FMS Adapter
TC Trailer Gateway PRO

for ① ③ ④ ⑥



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

Print temperature report on site

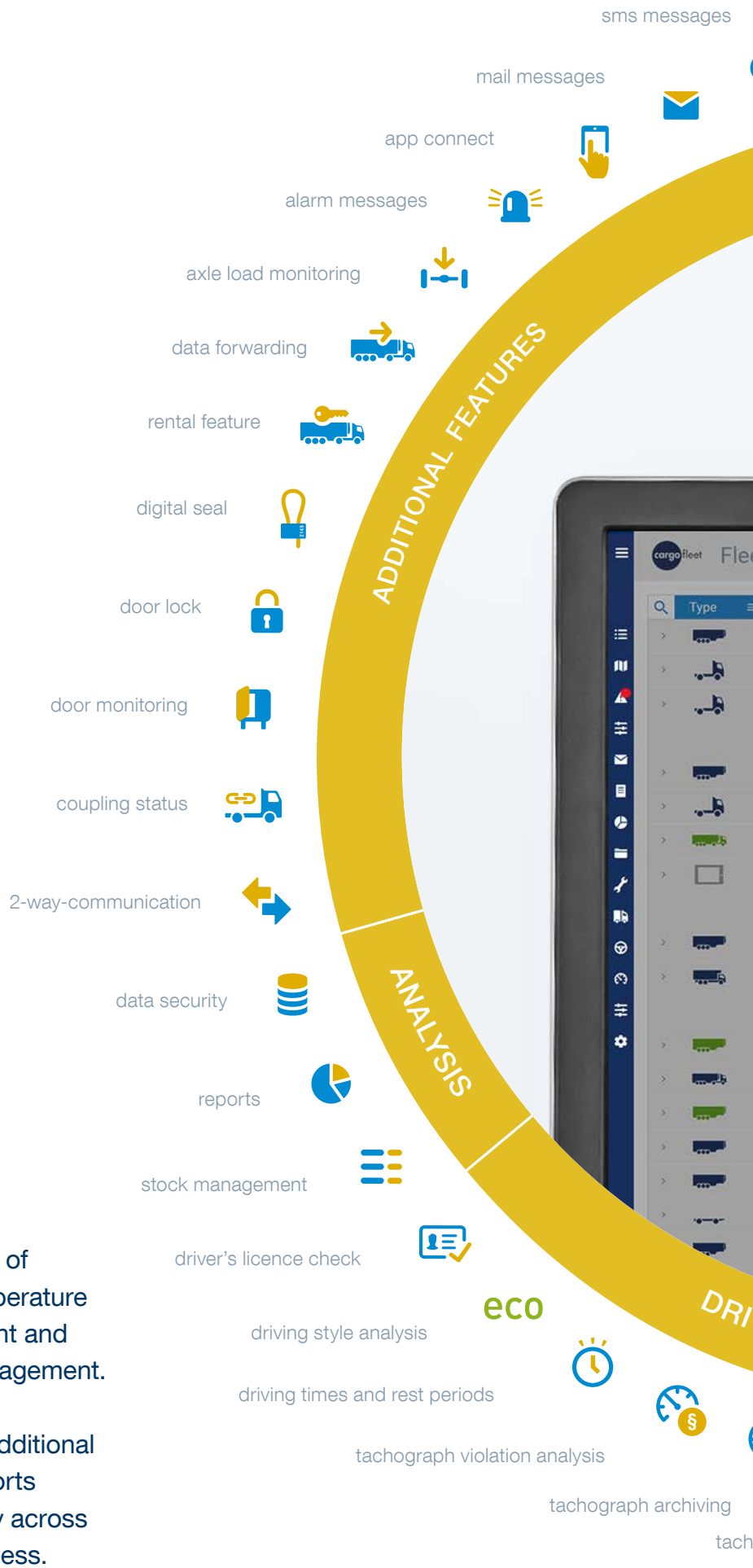
⑤ **Telematics devices** ⑥ **Tablets/Smartphones**

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

 Available for Android™

FEATURES

Telematics functions for freight, driver and vehicles

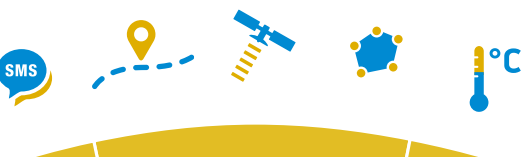


Choose from an extensive range of functions: Track and Trace, Temperature Management, Order Management and Communication, and Driver Management.

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



maintenance and diagnostics



maintenance calendar



FMS data



tank level of the cooling unit



EBS data



order processing



TourMonitor



tour-based data forwarding



loading/unloading control



messaging



ETA calculation

goods identification

documentation of damages

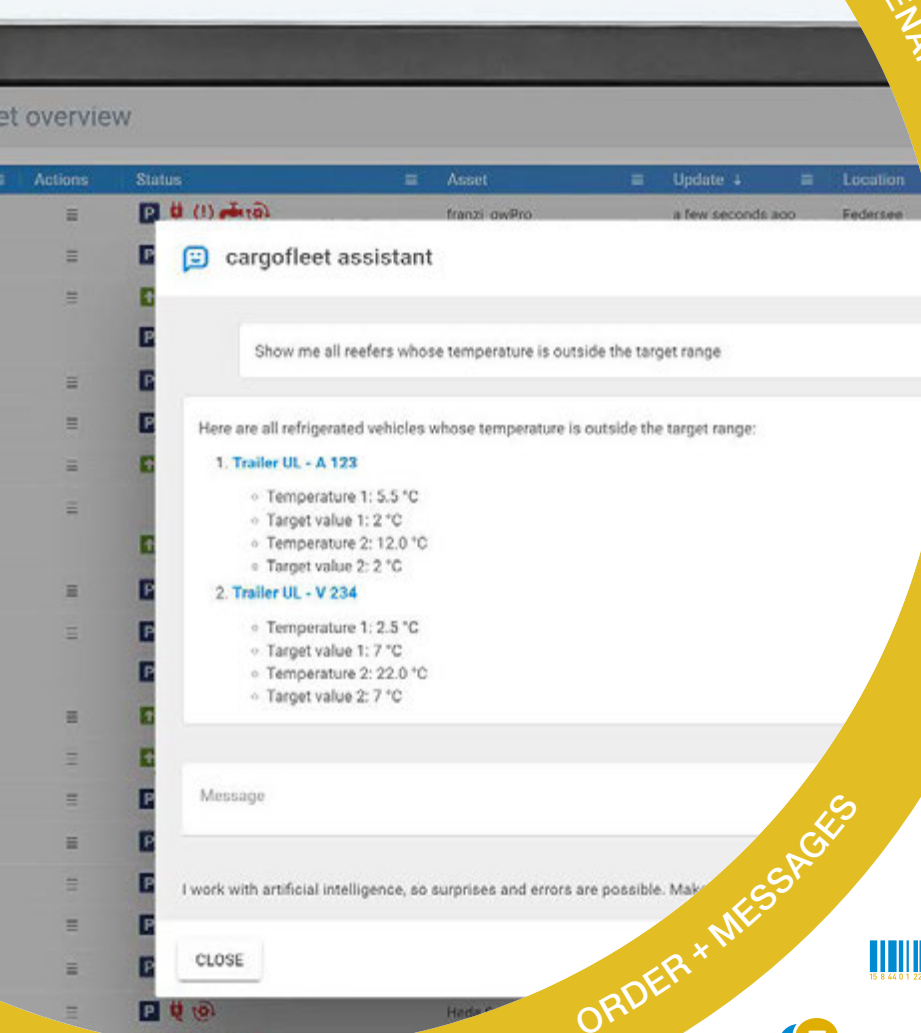
download

driver status

truck navigation

AI based on your fleet data

NEW with AI cargofleet assistant



TRACK+TRACE

TEMPERATURE

MAINTENANCE + DIAGNOSTICS

ORDER + MESSAGES

OVER

idem telematics – connecting all road transport: As Europe’s leading telematics partner, idem telematics supports forwarding agents, shippers and fleet operators in continuously improving their core business by means of data, thereby increasing their profitability, customer satisfaction and competitiveness.

Europe’s market-leading, all-in-one cargofleet telematics platform for trucks, trailers, freight and logistics consolidates and summarises the data

sets of vehicles, drivers and freight. idem telematics provides a complete system for increasing the transparency and profitability of the entire logistics process. The benefits: unique customer proximity and flexibility for individual telematics requirements based on 25 years of telematics, transport and logistics expertise. idem telematics is a subsidiary of the BPW Group and employs around 75 staff at its locations in Munich and Ulm.

www.idemtelematics.com

