

# INTELLIGENT TRAILER SOLUTIONS

Connecting All Road Transport



# BENEFITS

## Increase transparency, efficiency and safety through digitization of transport and logistics

### Visibility

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

### Security

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

### Quality

- Comprehensive vehicle, freight and temperature data.
- Operational service quality through route tracking, temperature reporting and loading/unloading.

### Efficiency

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

### Cost Reduction

- Avoid unscheduled downtime.
- EBS fault codes to enable repair and ensuring parts availability.

### Alarming

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

# The **cargofleet 3 Portal**, a real-time overview of your fleet.

- Overview of each individual trailer's location and status
- Full history report of trailer's movements
- Activity reports and temperature graphs
- Trailer's technical 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

ONLINE  
MONITORING  
OF ALL DATA



App available for Android™

# SOLUTIONS

## New Intelligent Telematics Functions

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

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

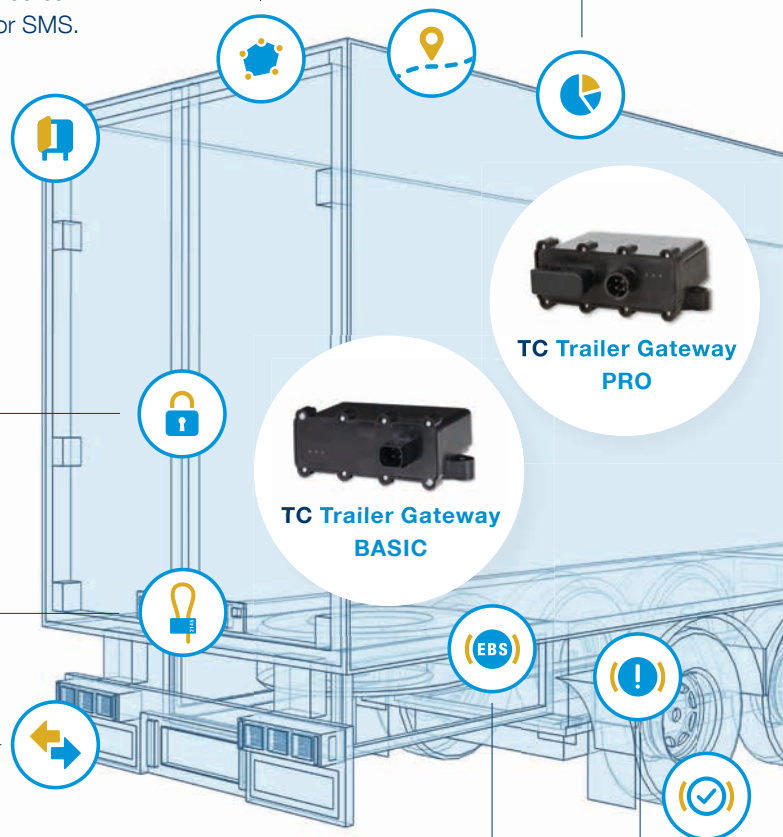
With **geofencing** you specify an area and then have it monitored to see if vehicles or freight enter it, leave it, and/or how long they stay in it. You can receive notifications via e-mail or SMS.

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 trailer data (position, temperatures, door status) are automatically communicated to the headquarters with a time stamp.

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

The **digital seal** allows for proof of undamaged transport between the start and end point. When the journey is over, you can immediately see if a door which is closed at present was opened while on the road.

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



Transfer **EBS data** and error codes to the portal and use these for smart fleet and maintenance management.

The continuous monitoring of the brake lining wear (EBS) via the **brake pad monitoring** sensor helps you to plan maintenance intervals with maximum efficiency and reduce downtime. This bolsters the road safety of the vehicles.

The **Electronic Brake Performance Monitoring System** (EBPMS) monitors all braking operations for adequate with regard to sufficient braking functionality.



EFFICIENCY  
COOLER DATA  
ROAD SAFETY  
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.

On the cargofleet 3 portal you can check the **coupling status** of all of your vehicles at a glance to see which truck is coupled with which trailer.

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.

The **AirSave tyre pressure control system** ensures that the default air pressure in the tyres is maintained at a constant level. This significantly reduces fuel consumption and tyre wear and increases road safety.

Thanks to the continuous **tire monitoring** you will always be aware of the tire pressure and temperature. You can choose to be notified via alarm in case of deviations from the set values, while you can also assess progress on each journey.





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

# TC Trailer Gateway Family

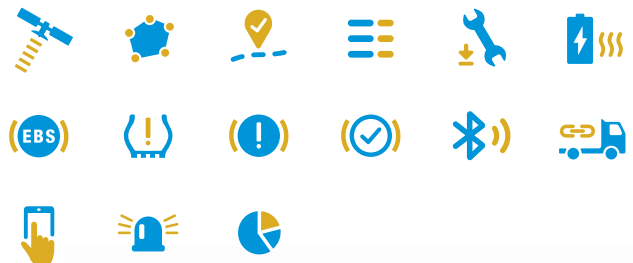
Our telematics units for tracking trailers and semi-trailers.



## Features with the Version TC Trailer Gateway BASIC

Integrated EBSData TireMonitor

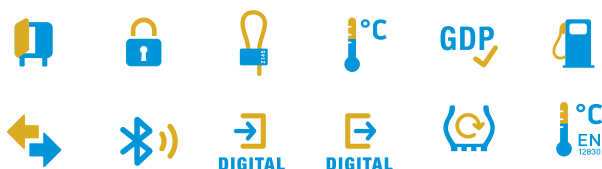
- ✓ Track & Trace
- ✓ Satellite Positioning
- ✓ Geofencing
- ✓ Tour-/Route-Monitoring
- ✓ Stock-Management
- ✓ Maintenance
- ✓ Service Data
- ✓ Battery Heating
- ✓ EBS Data
- ✓ Tyre Pressure
- ✓ Brake Pad Wear (EBS)
- ✓ EBPMs
- ✓ Data Transfer via BLE
- ✓ Truck & Trailer Coupling
- ✓ Service App
- ✓ Alarming
- ✓ Reporting



## Additional Features with the Version TC Trailer Gateway PRO

Integrated TempMonitor/Recorder

- ✓ DoorMonitoring
- ✓ DoorLock
- ✓ Digital Seal
- ✓ TempMonitoring
- ✓ TempRecording EN12830
- ✓ GDP Certified
- ✓ Reefer fuel level
- ✓ 2-Way-Communication
- ✓ TempRecording via BLE
- ✓ Digital Input
- ✓ Digital Output
- ✓ AirSave Tyre Pressure Control System





**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](http://www.idemtelematics.com)