



Knowledge is power! How much does it cost not to know?

The need for load tracking and monitoring is increasing. Whether you transport general cargo, fresh, frozen or high-value goods, the requirements of the shipper in respect of quality and traceability are increasing.

So that you, the freight carrier, can run reliably and efficiently, you need resources and aids that will quickly save you money and allow you to make cost savings in a straightforward manner.

It's time to lower your costs and optimise your efficiency, so that you can remain competitive.

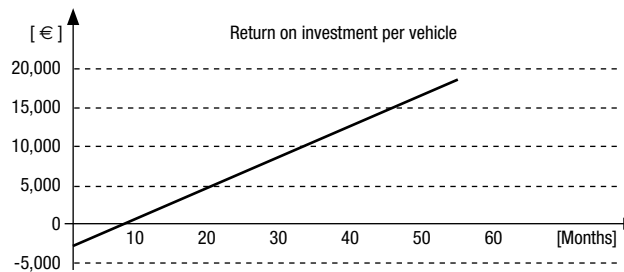
This is precisely where autonomous Trailer Telematics comes in.

In pounds and pennies!

We say: "Trailer Telematics pays for itself."

You say: "Prove it to me!"

No problem - how would you like a concrete cost effectiveness analysis? With reference to your company's particular situation and conditions, we will determine how much you can save using Trailer Telematics per month and per vehicle. In consultation with our customer advisers, you can find out all you need to know about our autonomous Trailer Telematics, the possibilities for use within your company and the additional profit potential hidden in your trailers. Our cost effectiveness calculator - fed with your data - will tell you the answer in pounds and pence.



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Innovative Trailer Telematics from Schmitz Cargobull

just more.

CBT-FLY-DEGBO-1085-1907 · We retain the right to make further technical developments.



Just more.

You've received a transport order from your customer and want to know the most cost-effective transport solution for its implementation?

Here, Schmitz Cargobull supports you in various ways:

- certainly you'll find we have the **trailer that matches your needs**
- and if you need, you can purchase it with our **optional finance** - Cargobull Finance
- obviously, we'll also take care of the service risk **with our full service product** -Cargobull Parts and Service
- if you want, we'll also take **your used vehicles back** - Cargobull Trailer Store

But this is not enough. The latest service we are offering will enable you to optimise your operating cycles:

- **autonomous Trailer Telematics - Cargobull Telematics**, one more service.

We support your transport solution with autonomous trailer technology.

Only the person who has all the information about his trailer at the right time can make the right decisions.

With Cargobull Telematics:

- You are continuously informed about your trailer's load and technical data, whenever you choose. Even during unaccompanied transports or when left unattended.
- You receive precise vehicle overviews so that you can be flexible with your planning and have transparency.
- Relieve your drivers, transport controllers and workshop, because they will all receive the important information automatically.
- Achieve a higher efficiency, because you will avoid down times and empty trips.
- You are informed immediately about any damage or theft.
- Using the internet, you can remotely configure the telematics.
- You will also have better arguments for your customer consultations so increasing customer retention.
- We'll also reduce your communications costs with a Europe-wide flat-rate.

Profit from our Trailer Telematics and our strong partners

- Save money
Reduce operating and planning costs.
- Reduce wear
Preventive maintenance of brakes and tyres.
- Create an overview
Configurable status and location reports.
- Protect your goods
Monitoring of cooling temperature and vehicle door.
- Receive alarms
In cases of theft or when there are exceptions from set limits.
- Keep informed
Automatic information about trailer status and routes.
- Ensure satisfaction
Customers can receive access to transport data.
- Increase availability, no unplanned breakdown costs.

Cargobull Telematics' development partners:



Transport solutions:
Positioning of trailers!



**Particularly recommended for
Curtainsider trailer
S.GS, S.PR, S.GS MEGA**

You are regularly transporting all types of goods from A to B. In doing so you frequently change trailers or have them

dispersed over several sites. For a quick overview, you would like to know at least once per day where your trailers are.

Your Trailer Telematics application

- Recording and documenting of 3 trailer positions / day at a configurable time
- Daily view of trailer locations on a digital map (option)
- Further information at any time through manual status requests (additional cost)

Your benefits

Daily fleet overview at the specified times
Daily information about the coupling state of the trailer
Quick map overview and therefore quick planning reactions
Reduction in telephone calls thanks to portal overview
Quick information in exceptional situations

Your cost savings

Time for locating trailers is reduced
Fast decision making
First off rationalisation in planning
First off reduction in telephone costs
Appropriate reaction to exceptional cases

With autonomous Trailer Telematics, you get a **fleet overview** and on top of that you also made **cost savings**.

You operate a large trailer fleet, but you do not have sufficient transparency to be able to control it efficiently. To do this, you need technical trailer data and statistical evaluations. You frequently swap your trailers and require support to quickly allocate them or make quick

statements about their location. You work with lots of sub-contractors and wish to monitor these vehicles in particular. You are interested in preventative maintenance for your trailers.

**Particularly recommended for
Curtainsider trailer and semitrailer container
S.CS, S.PR, S.CS MEGA, S.KO EXPRESS**



**Transport solutions:
Trailer-Info for fleet management**

Your Trailer Telematics application

- Position history at a 15 minute interval
- View of daily trailer locations on a digital map (option)
- Status messages incl. histories at a 8 hour interval, technical trailer data can optionally be booked in
- 3 additional status messages / day at configurable times
- Transfer of coupling and door status at the report interval
- Alarm notification of coupling and door events (optional)
- Trip representation as an overview of parking and driving times
- Further information at any time through manual status requests (additional cost)
- Fleet reports to determine loading and performance
Position history

Your benefits

- Constant overview of the trailer position
- Quick map overview and therefore quick reaction
- Regular overview of position, Mileage, loading state, Constant information about trailer technology
- Individual information about trailer status, dependent on your requirements
- Automatic event information as support for the transport controller
- Monitoring of unpermitted / unforeseen activities
- Several daily updated overviews of parking and driving times
- Quick information in exceptional situations
- Business management overview in respect of trailer usage
Route tracking

Your cost savings

- Reduction in communication costs
- Rationalisation of your planning
- Quick information about your planning data
Reduction in communications costs
Optimisation of life-cycle costs through preventative maintenance
- Additional cost reduction due to timely information
- Additional transport controller information
- Cost reduction due to clarification of misuse
- Clear evidence of waiting times at customers
Income through billing of waiting times
- Appropriate response in exceptional cases
Accurate sub-contractor invoice settlements
- Deducing cost-optimised measures
Checking cost-effectiveness

With autonomous Trailer Telematics, you have **trailer position, routing and loading under control** and, on top of that, **technical status at a glance**.

Transport solutions:
Temperature
 for climate-controlled transports



**Particularly recommended for
 Semitrailer container
 S.KO COOL**

Your shippers require continuous and permanent monitoring of the temperature of their transported goods. Maintenance of product quality through the transport chain is legally required. You are interested in receiving additional trailer and cooling unit data. Temperature reports should be continuously available and be able to be sent by email.

You want a tool which supports you with implementing the EU directives. With autonomous Trailer Telematics, **you safeguard the quality of the customers products** and moreover optimise your **administration of the obligation to produce certified supporting documentation.**

Your Trailer Telematics application

- Position history at a 15 min interval
- View of daily trailer locations on a digital map (option)
- Temperature history at a 15 min interval

- Status messages incl. history at a 8 hour interval
 Technical trailer data can optionally be booked in
- 3 additional status messages / day at configurable times
- Individual configuration of the temperature limits
- Monitoring temperatures as well as receiving alarms when limits are exceeded

- Trip display as an overview of parking and driving times
- Further information at any time through manual status requests (additional cost)
- Monitoring of the preset setpoints (dependant on equipment)
- Fleet reports to determine loading and performance
- Automatic creation and sending of temperature reports

- Recording, monitoring and alarming of door openings

- Recording and documentation of the cooling unit status - on/off (dependant on equipment)
- Recording and documentation of the cooling units operating hours diesel / electric

- Temperature configuration possible via transport controller software (use of an API interface)
- Temperature can be tracked by the shipper during transport

Your benefits

- Continuous fleet overview, localisation of alarm messages
- Quick map overview and therefore quick reaction
- Fulfills the requirements of EU legislation
 Temperature monitoring for multiple compartment operation
 Clear temperature evidence for the customer
- Regular overview of position, mileage, loading state,
- Individual status info for trailer and load, as required
- Individual control and monitoring of individual transports
- Earliest possible information if load damage is threatened
 Avoidance of load damage - even with preloaded goods
 Reduction in insurance payments
- Several daily updated overviews of standing and running times
- Quick information in exceptional situations
- Discovery of incorrect settings
- Business management overview in respect of trailer usage
- Simple and low-administration documentation of temperatures
 Avoidance of high administration costs in the creation of temperature printouts from a temperature recorder
- Control of loading and unloading
 Monitoring of loading and unloading processes - transparency of dispatch processes
- Early information if load damage is threatened
 Early informing if the cooling unit is unlawfully switched off
- Automatic control of maintenance intervals
- Rational data transfer without multiple data entry
 Use of a leading software system with integral telematics
- Direct informing of the customer, increase in customer retention
 Winning of orders that require telematics as a prerequisite

Your cost savings

- Reduction in communication costs, quick decision making
- Rationalisation of your planning
- Avoidance of additional investment
 One system for multiple applications
 Avoidance of loading damage / freight discounts
- Quick information about your planning data
 Reduction in communications costs
- Additional cost reduction due to timely information
- Quick access to temperature data
- Cost optimisation due to quick reaction ability
 Direct cost reduction / avoidance of customer dissatisfaction
 Direct cost reduction
- Clear evidence of waiting times at customers
- Appropriate reaction to exceptional cases
 Accurate sub-contractor invoice settlements
- Avoidance of load damage
- Deducing of cost-optimised measures
- Increased customer retention
 Saving of personnel and administration costs
- Evidence of accurate times
 Avoidance of unnecessary waiting times - if necessary further invoicing
- Avoidance of load damage
 Determination of cause - appropriate reaction
- Preventative maintenance
- Rationalisation of planning
 Optimising of data tools
- Optimised information flow
 Increase in order volumes

Your goods are on a trailer. To ensure “just-in-time deliveries” are always met, trailer movements must be monitored.

You frequently swap your trailers and require support to quickly allocate them or make quick statements about

their location. You work with lots of sub-contractors and wish to monitor these vehicles in particular. You want to integrate the service into your planning software.

Particularly recommended for Curtainsider trailer and semitrailer container S.CS, S.PR, S.CS MEGA, S.KO COOL



Transport solutions:
Planning for your just-in-time processes

Your Trailer Telematics application

- Position history at a 15 min interval
- View of daily trailer locations on a digital map (option)
- Status messages incl. history at a 3 hour interval
Technical trailer data can optionally be booked in
- 3 additional status messages / day at configurable times
- Further information at any time through manual status requests (additional cost)
- Trip representation as an overview of standing and running times
- Fleet reports to determine loading and performance
- Recording, monitoring and alarming of door openings for box-body vehicles
- Optionally temperature can be booked
- Monitoring of watchbox positions and planned time configurations

Your benefits

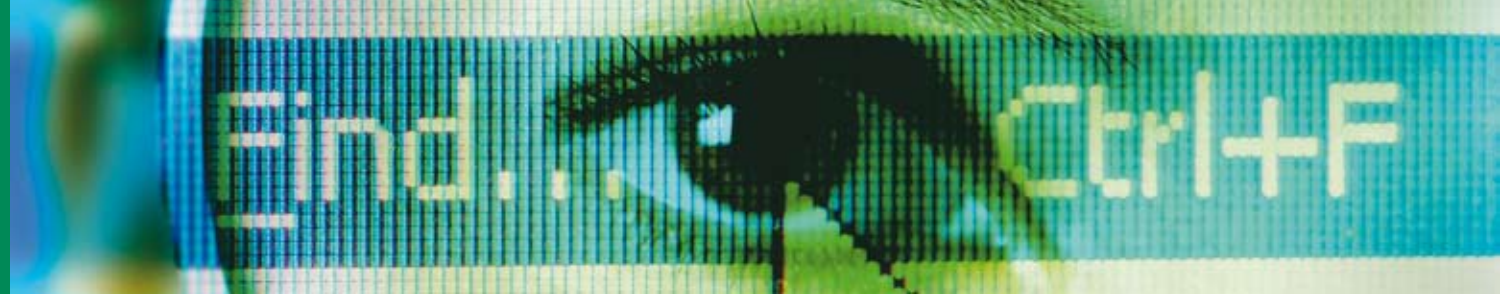
- Constant fleet overview
Localisation of alarm messages
- Quick map overview and therefore quick reaction
- Regular overview of position, mileage, loading state
- Individual status info for trailer and load, as required
- Quick information in exceptional situations
- Several daily updated overviews of standing and running times
- Business management overview in respect of trailer usage
- Control of loading and unloading
Monitoring of loading and unloading processes - transparency of dispatch processes
- Precise time planning of temperature-controlled transports
- Automatic information about on-time, time window delivery
Multi-client capable information for your own planning and customers

Your cost savings

- Reduction in communication costs
Fast decision making
- Rationalisation of your planning
- Quick information about your planning data
Reduction in communications costs
- Additional cost reduction due to timely information
Accurate sub-contractor invoice settlements
- Appropriate reaction to exceptional cases
Accurate sub-contractor invoice settlements
- Clear evidence of waiting times at customers
- Deducing of cost-optimised measures
- Avoidance of unnecessary waiting times
- Comprehensive planning system provides cost advantages
- Optimised vehicle use
Optimised communications costs
Strengthened customer retention - additional orders

With autonomous Trailer Telematics **you can provide a “just-in-time”** service and moreover **tie** your **customers even more closely** to your company.

Transport solutions:
Security for high-value goods



**Particularly recommended for
 Semitrailer container
 S.KO COOL, S.KO EXPRESS**

There are dangers everywhere. Nevertheless you have to get sensitive, high-value goods safely and on-time to their destination. Shippers always want optimised safety technology and transport monitoring. You need a high-quality, ready-for-use system with maximum protection and

maximum flexibility, in case you have to apply different transport solutions.

Your Trailer Telematics application

Your benefits

Your cost savings

<input checked="" type="checkbox"/> Position history at a 15 min interval	Continuous fleet overview, localisation of alarm messages	Reduction in communication costs, quick decision making
<input checked="" type="checkbox"/> View of daily trailer locations on a digital map (option)	Quick map overview and therefore quick reaction	Rationalisation of your planning
<input checked="" type="checkbox"/> Status messages at a 15 min interval Technical trailer data can optionally be booked in	Regular overview in respect of position, mileage, loading state,	Quick information about your planning data Reduction in communications costs
<input checked="" type="checkbox"/> Increase in the status message interval to 1 min - in alarm cases (additional cost on a per-call basis)	Continuous tracking and information as soon as there is danger ahead	Clarification in danger situation
<input checked="" type="checkbox"/> Individual configuration of permitted door opening areas	Measurement of allowed / unallowed door opening / trailer uncoupling	Quick access where deviations occur
<input checked="" type="checkbox"/> Alarm processing to a Bosch control station Telematics provides monitoring infrastructure	Automatic alarm forwarding Delegation of the security responsibility to a professional partner Reduction in insurance payments	Avoids the necessity of maintaining your own infrastructure Cost reduction
<input checked="" type="checkbox"/> Fleet reports to determine loading and performance	Business management overview in respect of trailer usage	Deducting of cost-optimised measures
<input checked="" type="checkbox"/> Trip display as an overview of standing and running times	Several daily updated overviews of standing and running times	Clear evidence of waiting times at customers
<input checked="" type="checkbox"/> Recording, monitoring and alarming of door openings uncoupling manoeuvres	Control of authorised loading and unloading Monitoring of loading and unloading processes - transparency of dispatch processes	Security right from the start (even during loading) Avoidance of unnecessary waiting times
<input checked="" type="checkbox"/> Monitoring of watchbox positions and planned times	Automatic information about on-time, time window delivery Multi-client capable information for your own planning and customers Timely automatic info if specified nodes are missed	Optimised vehicle use Optimised communication costs Optimised information in exceptional situations
<input checked="" type="checkbox"/> SMS (text message) fall back level for GPRS communication (additional cost on a per-call basis)	Messages delivered in all case, even if there is insufficient GPRS coverage	Avoidance of special activities - other fall back levels
<input checked="" type="checkbox"/> Complete monitoring of the whole transport at the trailer-level	Best possible security creates customer trust	Safeguarding of lucrative security transports
<input checked="" type="checkbox"/> Clear document of the safety service provider (Bosch)	Delegation of responsibility incl. the obligation of producing evidence of preventative measures taken	Documents for use with insurance

With autonomous Trailer Telematics you can meet the highest benchmarks in **security for transports and trailers** and moreover additionally offer your customers **monitoring and intervention**.

You want the highest possible availability for your trailer fleet, you want to avoid technical limitations and yet still work in a cost-optimised manner? Trailer Telematics, developed from the experience of the trailer manufacturer makes it possible. It monitors your equipment and informs

you when there are any discrepancies, so that it can be kept correctly serviced, neither too early or too late. Tyre pressure and brake pad wear monitoring are great cost savers.

Particularly recommended for Curtainsider trailer and semitrailer container as well as container chassis S.CS, S.PR, S.CS, MEGA, S.KO COOL, S.KO EXPRESS, S.CF



Monitoring of trailer technology for **Optimisation**

Your Trailer Telematics application

- Status messages about the technical trailer condition at the selected intervals (EBS data, brakes, tyres, loading)
- View of daily trailer locations on a digital map (option)
- Alarm configuration for the necessary tyre pressures, loading states or brake pad wear conditions
- EBS data provides information about speed, mileage and loading state
- Fleet reports for maintenance analysis
- Transfer of cooling unit operating hours (dependant on equipment)
- Transfer of cooling unit alarms (dependant on equipment)

Your benefits

- Constant monitoring of the condition of the trailer technology
- Fast reaction in exceptional situations
- Automatic information of variations from set values
- Preventative maintenance
- Medium-term planning of maintenance
- No need for manual tyre pressure checking
- Planning of maintenance intervals based on mileage
- Information about mis-use caused by overloading or too high speed
- Business management overview in respect of trailer usage
- Information for preventative maintenance of the cooling unit
- Information about cooling unit operating faults
- Quick response to prevent load damage

Your cost savings

- Operational reliability of transport
- Reduction of standing times
- Correct tyre pressures result in fuel savings
- Reduced tyre wear
- Direct cost advantages
- Cost-optimised maintenance
- Cost transfer to the originator
- Deducting of cost-optimised measures
- Maintenance matched to use
- Avoidance of considerable cooling unit damage
- Avoidance of load damage

The option “Monitoring of trailer technology” (brakes, tyres, EBS data) can be added to every telematics package.

With autonomous Trailer Telematics you are not only in control of your **load**, you are also in **control of your equipment** and moreover **avoid serious damage to tyres, brakes and cooling unit**.