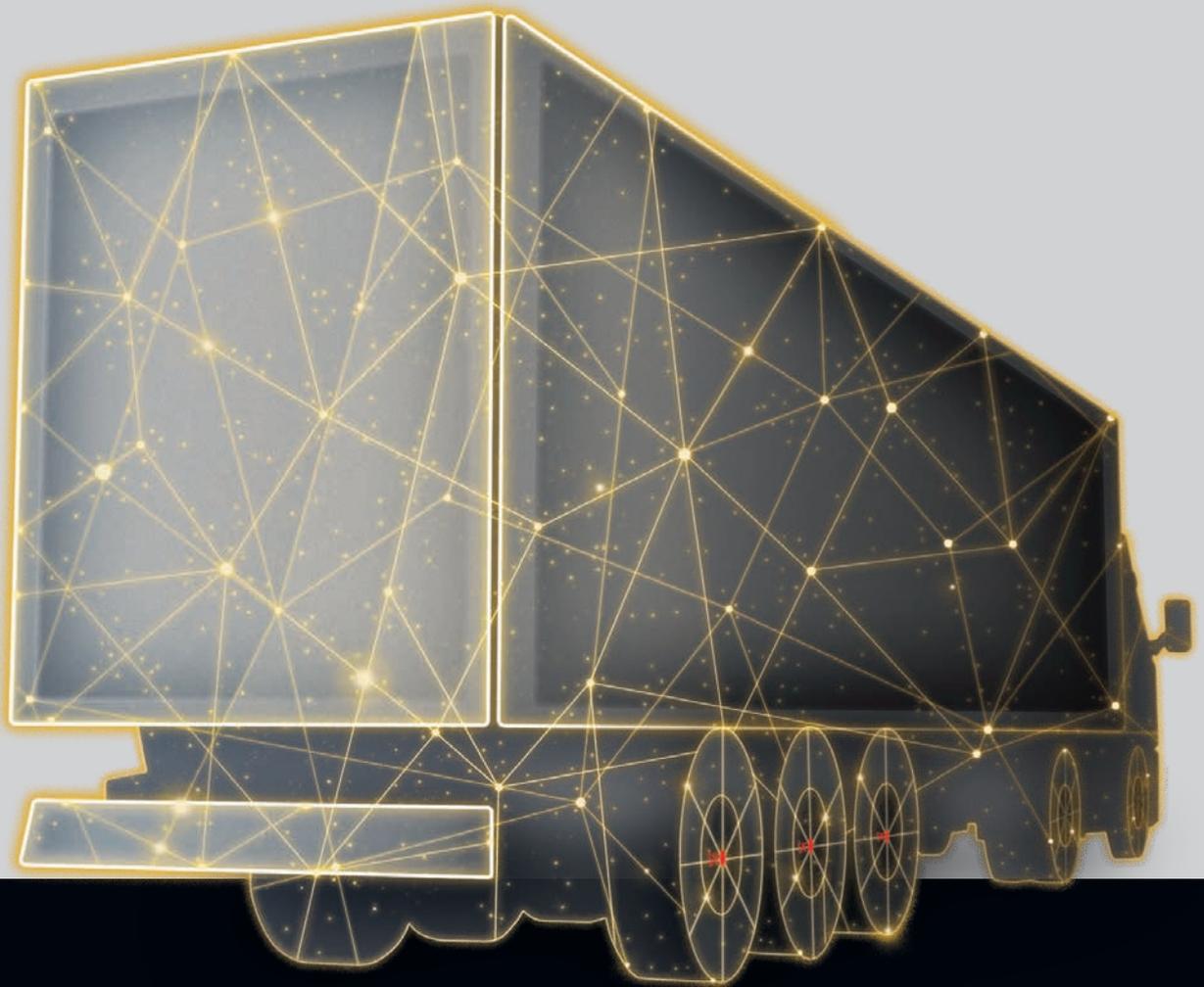


Axscend TrailerMaster

Smart trailer management





The future is intelligent and digital. Take advantage of digitalisation and make your trailer smart with us.

As one of the leading global manufacturers of truck and trailer components, we are familiar with the requirements of the transport industry. That is why we develop intelligent technologies for trailer digitalisation as well as innovative chassis systems. As a result, transport processes will become even more efficient, safe, transparent and eco-friendly.

Our Axscend TrailerMaster telematics solution for trailers creates digital transport processes and generates real added value for manufacturers of commercial vehicles and for transport companies.

SAF-HOLLAND assists you with your digital modernisation and puts its extensive expertise at your service throughout the entire process.



Axscend TrailerMaster: the smart solution for your success.

Digitalisation is a key factor for the commercial vehicle industry: due to rising competitive pressure, there is an increasing need to optimise processes and improve efficiency in the handling of transport work. For this reason, manufacturers of commercial vehicles and fleet operators are increasingly focussing on digital technologies such as telematics.



Perform a digital upgrade with Axscend TrailerMaster now.

The innovative telematics solution from SAF-HOLLAND creates a digital network of trailer components, provides digital data in real time and optimises trailer and transport performance. The Axscend TrailerMaster allows vehicle manufacturers to meet growing customer demands and differentiate themselves successfully from the competition.

Take advantage of the opportunities offered by digital modernisation and use the Axscend TrailerMaster to make your trailer smart.



The Axscend telematics solution for intelligent trailer management.

The Axscend TrailerMaster connects selected trailer components to each other and provides digital vehicle and movement data in real-time. The Axscend TrailerMaster portal allows all events to be centrally supervised and controlled. The perfectly coordinated hardware and software can be used for all trailer types and ensures the smooth and complete documentation of trailer and transport processes.

More transparency.

Monitor the location, weight or kilometers of a trailer, along with the current condition of its tyres, brakes and so on, at any time. The Axscend TrailerMaster makes it possible to view and manage all the events relating to the trailer and its components centrally on a clearly structured and simple dashboard.

More safety.

To enable goods to be transported safely and reliably, the Axscend TrailerMaster advises unauthorised access, dangerous overloading and expensive malfunctions due to wear. For more load security, functional reliability and smooth-running transport.

More simplicity.

All movement and vehicle data are synchronised automatically and displayed in the Axscend TrailerMaster portal in a way that is easy to understand and visually appealing. Users can access the portal and all enabled functions at any time, either locally on a PC or on a smartphone or tablet when on the road.

Axscend

is a UK based trailer telematics specialists with a passion for innovations. Axscend has been a successful and forward-thinking company since 2006.

Advantages at a glance:

- Intelligent networking of trailer components
- Full transparency across the entire fleet
- Secure data storage in a cloud
- Simple and intuitive operation
- Central display of all vehicle and movement data
- Fast diagnosis of damage and optimised maintenance management



Smart trailers.

Intelligently networked components and digital data in real time.

Imagine if your trailer automatically reported what it needs: higher tyre pressure, new brakes or a smaller load to protect its axles and avoid fines. That is exactly what the Axscend TrailerMaster does. Its innovative telematics system makes your trailer smart and communicative – and enables automatic real-time communication between the trailer and the fleet manager. For the communication with the driver is a special driver app available.

Efficient processes and higher productivity.

Thanks to their real-time overview, carriers and fleet operators can better coordinate their vehicles and react to sudden changes in planning. The Axscend TrailerMaster identifies expensive empty journeys and provides further valuable insights and possible improvements in automatically generated reports. Resource planning and utilisation are made significantly easier by the digital tool. For efficient trailer management and higher productivity for the entire fleet.

Fewer breakdowns, more predictability and economic efficiency.

Sensors provide a constant overview of the technical status of trailer components as well as timely wear information, making it possible to prevent expensive breakdowns and malfunctions. The Axscend TrailerMaster maintenance management system and handy appointment function facilitate advance booking of workshop appointments – the key term here being visibility of maintenance requirements. This reduces the time and money spent on maintenance.

Optimised vehicle utilisation and constant monitoring of tyre pressure significantly reduce fuel consumption, yielding additional savings and sustainably lowering carbon emissions.

- More efficiency ✓
- More safety ✓
- Lower maintenance costs ✓
- Fewer downtimes ✓
- Lower carbon emissions ✓



Axscend telematics features for trailers.

Efficient and transparent transport processes.



Track & trace: for a perfect overview of the entire fleet.

The locations and travel directions of all trailers can be displayed in satellite and map views. With BackTrack history and a geofencing function for virtual markings.



Maintenance management: increasing availability.

Automatic maintenance and diagnostic data with a handy appointment function make it easier to schedule maintenance and downtimes. All documents relating to maintenance actions can be managed easily in a central location and exported to other systems.



Automatic reports and optimisation analysis: optimal capacity utilisation.

Automatic performance reports for individual trailers (24/7 performance in hours, days and weeks) identify expensive empty trips and help optimise capacity utilisation for the fleet.



Trailer status: everything at a glance, at any time.

Movement and vehicle data are updated automatically and displayed in real time – from the positioning of the trailer with the aid of GPS and Bluetooth data to the technical condition of individual components.

Geofencing: Monitors defined areas and reports if and when vehicles enter and leave these zones and how long they have been in them.

DriverApp for a safe transport of goods:

Assists the driver with a convenient departure check to ensure the trip is stress-free and the goods are transported safely; connects to the maintenance portal and provides an improved overview of (rented) fleets.

EBS error code monitoring for fast solution management:

Loads the EBS data as well as the error codes into the Axscend TrailerMaster Portal and provides detailed explanations and recommendations from the manufacturer to solve the problem.

TPMS for tyre monitoring and greater safety due to fewer tyre failures: Passive tyre pressure monitoring, even when the trailer is uncoupled; identifies new tyres with the help of the sensor and continuous temperature monitoring for the tyres; alarm signal if there is a deviation from specified values.

EBPMS® to minimise downtimes: Records all braking events, maintains the roadworthiness of trailers, avoids expensive repairs; manual EBPMS performance assessments are quick and easy to integrate into the Axscend TrailerMaster database.

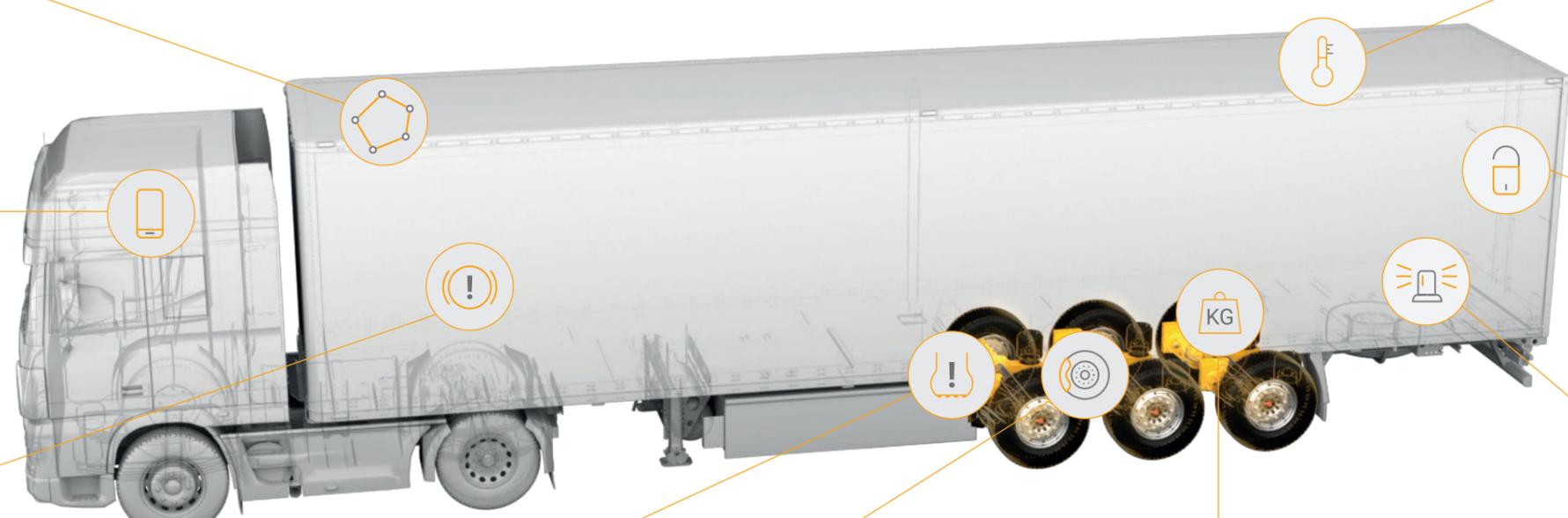
Temperature monitoring for reliable transport of sensitive goods: Unbroken cold chain due to constant monitoring of the cooling unit and temperature, and to alarm signals when thresholds are reached.

Door monitoring for increased safety and optimal protection for goods:

Protects freights from unauthorised access through permanent monitoring of door activities – and is of course ADR-compliant.

Alarm management: Immediately reports deviation from self-set limits.

Axle load monitoring for optimum capacity utilisation and maximum reliability: Monitors the state of loading and unloading, even when the trailer is uncoupled, detects loads that are too large or too small, and identifies delays in delivery.



Smart technology for all trailers

- Uncomplicated digital solution
- Intelligent functions
- Comprehensive overview
- Very user-friendly

More Features coming soon!

We are always developing our system, for you and with you. If necessary, we adapt our system to your specific requirements.

The Axscend TrailerMaster web portal with real-time transparency: The state of the entire fleet at a glance.

Trailer No.	Type	Company	Group	Location	Last Reported	Days	Miles	Status
AB SH1010 TRAK_R Cooler	Trailer	SAF Holland	Deninre	SAF-HOLLAND Bessenba...	07/09/21 09:17	4 Days	727.842km	Green
AB SH1224 (Kogel)	Trailer	SAF Holland	SAF Holland	0.3 Miles NW Of Weller	18/02/21 13:53	292 Days	-	Yellow
EDH-W2369	Trailer	SAF Holland	Wormsar	0.5 Miles N Of Weissenbach	07/09/21 06:56	0 Day	394.219km	Green
KTS-M626	Trailer	SAF Holland	Smart Aule Test Trailer	-	-	-	-	Green
SAF-AAB18000	Tri-Axle	SAF Holland	SAF Group	0.3 Miles N Of Mathem	07/09/21 09:04	3 Days	185.036km	Green
SAF-AAB18001	Trailer	SAF Holland	SAF Group	0.2 Miles NE Of Mathem	07/09/21 08:48	0 Day	178.127km	Green
SAF-AAB18002	Trailer	SAF Holland	SAF Group	0.5 Miles SE Of West Thurr...	07/09/21 08:51	0 Day	111.753km	Green
SAF-AAB18003	Trailer	SAF Holland	SAF Group	0 Crawley, M23 Services	07/09/21 09:06	0 Day	109.123km	Green
SAF-AAB18004	Trailer	SAF Holland	SAF Group	0.5 Miles SE Of West Thurr...	07/09/21 08:59	0 Day	106.216km	Green
SAF-AAB18005	Trailer	SAF Holland	SAF Group	0.5 Miles NW Of Aveley	07/09/21 09:19	0 Day	105.974km	Green
SAF-AAB18006	Trailer	SAF Holland	SAF Group	-	-	-	-	Green
SAF-AAB18007	Trailer	SAF Holland	SAF Group	0.6 Miles NW Of Gra...	-	-	-	Green
SAF-AAB18008	Trailer	SAF Holland	SAF Group	1.3 Miles S Of Burton	-	-	-	Green
SAF-AAB18009	Trailer	SAF Holland	SAF Group	0.6 Miles NE Of Ultes...	-	-	-	Green
SAF_901810_Carnehl	Trailer	SAF Holland	Smart Aule Test Trailer	SAF-HOLLAND Bes...	-	-	-	Green
SHAF914	Tri-Axle	SAF Holland	SAF Group	0.2 Miles W Of Chiller	-	-	-	Green
DHB16076	Tri-Axle	SAF Holland	SAF Group	0.4 Miles SW Of Har...	-	-	-	Green
SHK7201	Tri-Axle	SAF Holland	SAF Group	0.8 Miles W Of Sharp...	-	-	-	Green

Trailers are displayed in a clear and well-presented list; clear colour coding in green, yellow or red indicates their current technical state. The powerful search function allows specific vehicles of interest to be found even faster.

The Axscend TrailerMaster web portal allows all trailer information to be accessed and controlled in a central location. All vehicle and movement data are updated automatically. For an up-to-the-minute status overview of the entire fleet, at a glance and on all end devices (computer, laptop, tablet and smartphone).

Automatic maintenance and diagnostic data with a handy appointment function make it easier to schedule maintenance and reduce downtimes.

Always well informed even on the road: Axscend TrailerMaster App

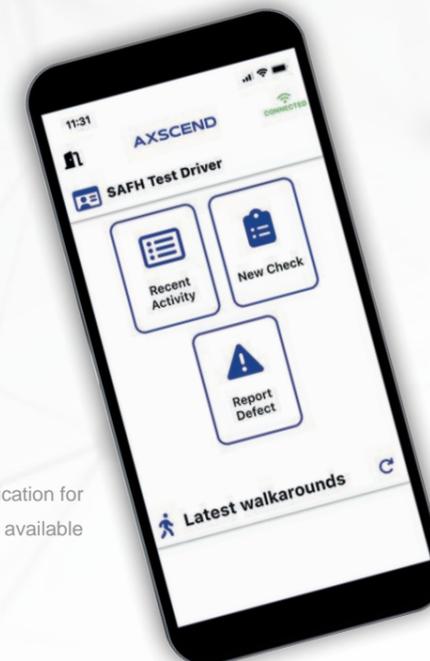
The Axscend TrailerMaster App provides access to all relevant data even on the road.



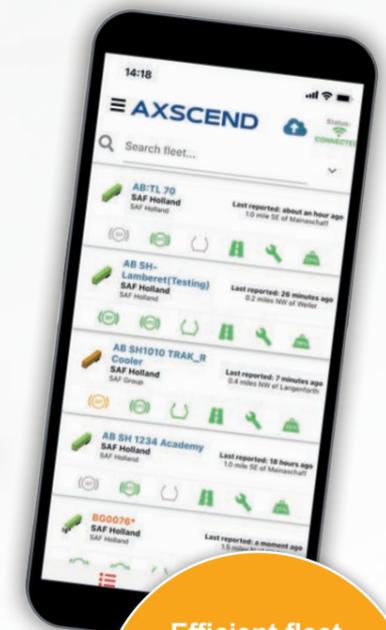
DriverApp: The smart everyday assistant.

Relief for drivers and shorter downtimes.

There is also relief for drivers: the digital departure check helps them document any vehicle defects (digital checklist, photo upload). Any other important events relating to the trailer components are forwarded to the driver immediately by means of push messages. This way, the DriverApp makes sure the driver has a stress-free trip and can concentrate on the main thing: transporting goods safely.



Application for Android und iOS available



Efficient fleet management:
Everything under control, even with frequent vehicle changes.

- Advantages of the app**
- Efficient fleet management
 - Increased availability thanks to transparent status overview
 - Unbroken documentation of all maintenance actions
 - Digital departure check as a relief for drivers
 - Fast damage diagnoses





Easy to install.

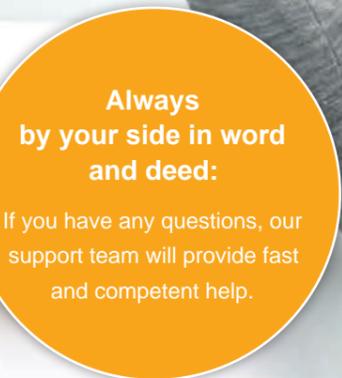
Ready to use in just a few steps.

The Axscend TrailerMaster hardware is easy to install; for most trailers, the task can be completed in about 60 minutes. It also takes very little work to install and configure the corresponding Axscend TrailerMaster software. The system enables all colleagues to be set up fast and easy with their individual access rights – ensuring the right data is seen by the right people. SAF-HOLLAND helps with the installation of hardware and software: we train your employees and show them what matters (read more about our comprehensive customer service on page 15).



**Always
by your side in word
and deed:**

If you have any questions, our support team will provide fast and competent help.



Extremely user-friendly. Thanks to intuitive operation and clear presentation.

Simplicity and user-friendliness are key criteria in determining whether a tool is accepted by customers and actually saves time. The Axscend TrailerMaster web portal and mobile app have simple user interfaces and clear dash-boards. Few clicks, clear information, simple colour codes and visual graphics make the applications intuitive and extremely user-friendly.

The powerful search function allows users to find exactly the right trailers for their current criteria. Interesting or important trailers can be stored in an innovative “trailer cart” and are thus readily available at all times – no matter where on the portal the user is.

During our Axscend TrailerMaster training for your employees, we show you what matters.



Advantage for your business: towards a digital future with SAF-HOLLAND.

Carefree in every way: Full support from A to Z.

SAF-HOLLAND is a competent contact for all questions and aspects relating to Axscend TrailerMaster. We will work with you to identify the specific requirements and needs of your business in order to define the perfect package for you. Choose exactly the features you and your customers need, from a range of tried-and-tested basic functions and useful additional functions.

Our telematics specialists are there for you, for the entire project period and beyond. We help you install the hardware and software, integrate data into your system, train your employees to setup and handle with the Axscend TrailerMaster, and answer all your questions. Thanks to our technical support, and to our regular system maintenance and updates, the Axscend TrailerMaster runs reliably at all times.

Status analysis	Planning & design	Installation	Support
<ul style="list-style-type: none"> Analysis of the situation and requirements Recording of the specific needs of your business Personal and professional advice from experienced specialists 	<ul style="list-style-type: none"> Connection to existing systems Integration of available data Configuration of the software and hardware (selection of components) 	<ul style="list-style-type: none"> Installation of the Axscend telematics system Integration and commissioning of the hardware and software Introduction and training for your employees 	<ul style="list-style-type: none"> Technical support Regular maintenance Regular feature updates

With the Axscend TrailerMaster, we offer you and your customers a powerful system for intelligently networking trailer components. The innovative Axscend telematics solution for trailers digitalises and simplifies everyday transport processes and provides measurable benefits to the customer by means of extensive functions.

Grasping the opportunities of digitalisation together.

SAF-HOLLAND supports you with innovative solutions for digital modernisation, competent advice and an all-round carefree service. Stay competitive in a highly competitive market with the Axscend TrailerMaster, and position yourself as a business of the future in the commercial vehicle industry.

Do you have any questions about Axscend TrailerMaster? We are happy to help and look forward to hearing from you.

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The SAF-HOLLAND Group is one of the leading international manufacturers of suspension-related assemblies and components for trailers, trucks and buses. Our innovative products increase the efficiency, safety and environmental friendliness of commercial vehicles, contribute to the success of our customers. With around 6,000 employees worldwide, we are at the forefront of shaping the future of the transportation industry.

