

# HUBTEX CONNECTIVITY SOLUTIONS

MAXIMUM TRANSPARENCY  
FOR YOUR HUBTEX  
VEHICLE MANAGEMENT



FLEET MANAGEMENT  
AND REMOTE MAINTENANCE

[www.hubtex.com](http://www.hubtex.com)

## HUBTEX.

WE CREATE THE UNIQUE

**MAXIMUM  
TRANSPARENCY**

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# Smart fleet management

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**HUBTEX connectivity solutions give you access to a wide range of important information that enables you to manage your truck efficiently. Depending on the service package selected, various features are available to you.**

At the heart of our connectivity solutions is the fleet and vehicle management of your HUBTEX vehicle. Machine connectivity is realized by a CAN-based telematics gateway that connects the industrial truck to the cloud via a 4G cellular connection. This cloud is accessed via a web-based data platform. This cloud-based data management system provides you with comprehensive machine data and enables detailed analyses of machine usage, maintenance planning and fault and battery management.

Optional extensions are also available, including remote access to HUBTEX vehicles, battery status monitoring and daily vehicle checks. These features in particular allow you to benefit from the deep integration of the solution into your HUBTEX vehicles.

**Take advantage of the efficiency benefits.**





## YOUR ADVANTAGES AT A GLANCE

### Maximum transparency

Detailed insights into your machine and fleet data

### Reduced service costs

Early detection of problems to prevent long-term damage

### Optimized fleet utilization

More efficient utilization and improved operating processes

Data is transmitted securely via the mobile network, whereby the highest data protection standards are always guaranteed.

## BASIC PACKAGE

### > FLEET MANAGEMENT HUBTEX VIA THE PORTAL

**With our machine connectivity and portal, we offer machine owners a comprehensive fleet management solution with in-depth machine integration.**

The system provides all relevant performance data and a detailed overview of vehicle use. It also makes it possible to record violent damage over time and provides a transparent insight into vehicle and fleet performance data.

These functions enable us to optimize the efficiency of the vehicle fleet and ensure better planning and cost control.

## FUNCTIONS IN DETAIL

### ➤ *Vehicle status:*

*The vehicle status provides a clear display of the most important information, including battery charge status, operating hours, vehicle messages as well as upcoming maintenance and the next safety inspection, so that you can keep an eye on the condition of your vehicle at all times.*

### ➤ *Vehicle use:*

*This gives you detailed insights into the traceability of operating times and the use of the vehicle in operation. If the optional driver assignment is activated, you can also record how long a driver has been logged on to the vehicle.*

### ➤ *Crash Memory:*

*Forklift collisions can cause considerable costs – whether through damage to people, vehicles or infrastructure. In addition, every accident leads to a loss of productivity. To promote safe driving and reduce both the frequency and cost of accidents, vehicle collisions are recorded using a crash sensor and categorized according to severity.*

### ➤ *Battery management*

*Prevention of damage and loss of performance due to incorrect charging or maintenance*



➤ **Reports:**

The reports on vehicle and fleet performance data can be individually adapted to your needs. In addition, ready-made reports are available for efficient evaluation of this data.

**Shocks:** The shock values allow you to track exactly when and which driver has caused shocks to the vehicle. In combination with GPS position and the optional driver identification, important conclusions can be drawn in the event of damage.

**Operating hours forecast:** Based on real usage data, the system calculates the expected operating hours of the fleet. You can choose whether the hours should be forecast for a specific point in time or whether a defined number of operating hours should be calculated.

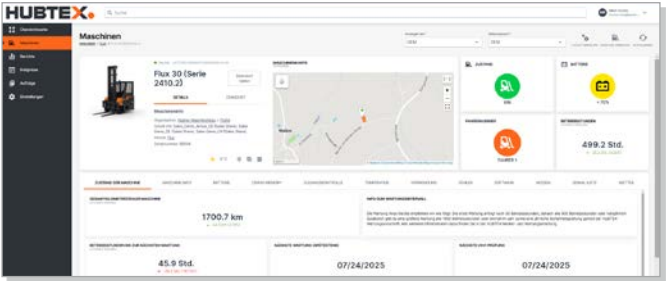
**Availability:** The diagram visualizes whether vehicles are in use, parked or undergoing maintenance. The bars show the remaining operational capacity of individual vehicles and the entire fleet at a glance.

➤ **Online maintenance planning:**

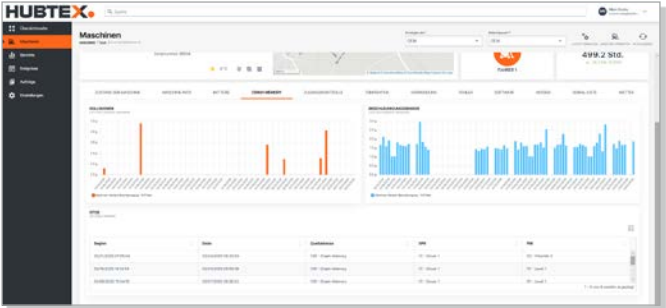
The portal shows in the overview all upcoming service and safety check appointments and enables proactive maintenance planning. This allows assignments to be coordinated efficiently, downtimes to be scheduled in a targeted manner and maintenance to be bundled within the fleet.

➤ **GPS function for determining location:**

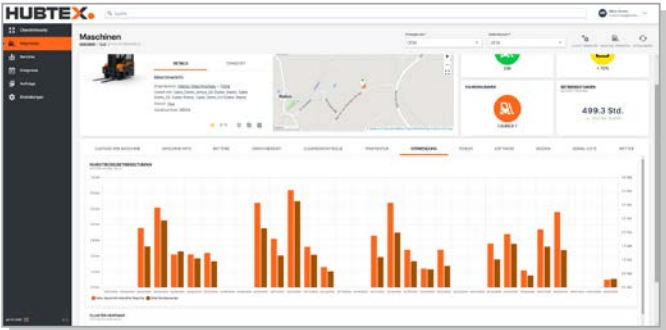
The GPS function enables precise location tracking and provides a theft warning as soon as the vehicle leaves the defined area of use. In addition, the last route driven can be tracked and the use of rental vehicles can be viewed.



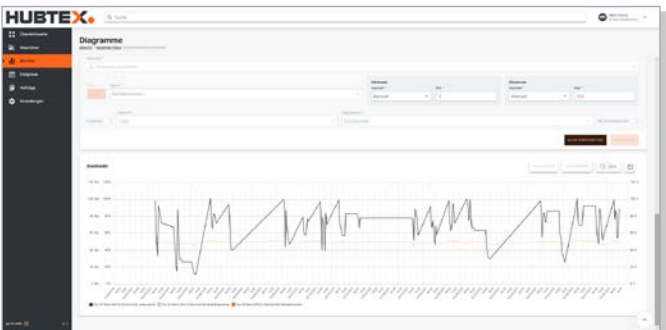
Condition of machine



Crash Memory



Operating times



Diagrams

➤ *Remote-Access, light:*

*Via the CAN-based telematics gateway, we can remotely import parameter sets and change driver codes or reset maintenance intervals. However, the connection is not made in real time. This tool is not suitable for vehicle commissioning during construction. (see remote maintenance, full)*

➤ *Email notifications:*

*You can set automatic notifications for selected topics.*

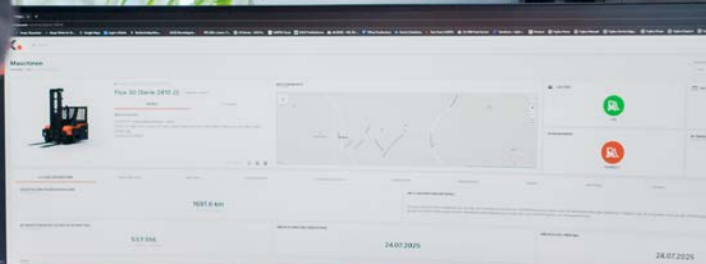
➤ *Mobile App:*

*Access to the portal via app*

## OPTIONAL FEATURE

➤ *Access via individual driver codes (PIN):*

*HUBTEX vehicles can be activated keylessly by entering a PIN in the HIT terminal. Driver-specific codes enable precise assignment and can be integrated into the portal. Our service team creates these codes remotely and transfers them to the system.*





## COMING SOON

### ➤ *Battery level sensor:*

*The sensor for built-in and exchangeable batteries monitors the electrolyte level of the battery. If the level is too low, a warning message appears on the HIT3 vehicle display for the currently installed battery, while the message is simultaneously recorded in the portal.*

### ➤ *Event trigger Crash-Memory*

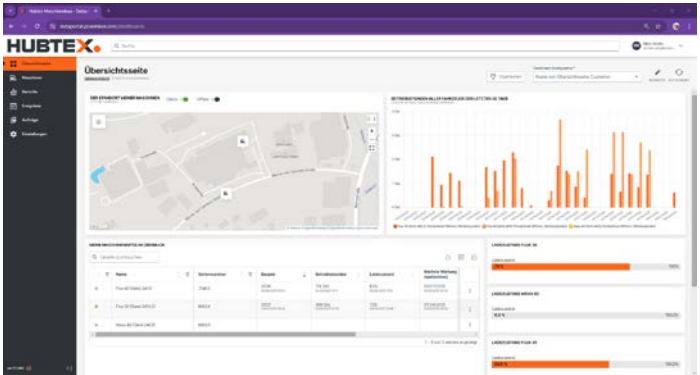
*The event triggers are individually customizable and enable targeted measures, such as activation of creep speed, blocking of the vehicle, requirement of a checklist to be completed.*

### ➤ *Daily access control*

*When the vehicle is started for the first time during the day, the vehicle display indicates the daily access control in accordance with DGUV 208-004. The execution is confirmed in the vehicle display (from HIT4) and the corresponding driver (if readable), time stamp is shown in the portal. In the event of an error, the driver can enter a short text message.*

### ➤ *Access via transponder:*

*HUBTEX equips the forklift truck with a transponder reader for this purpose. The vehicle starts using the authorized employee's personal transponder, whereby the company's own RFID transponders are usually used. This eliminates key chaos and enables the tracking of driver usage data if required.*



## ➤ REMOTE ACCESS, FULL

A near real-time data connection in 1st and 2nd level support is essential for the commissioning, servicing and remote maintenance of complex vehicles such as AGVs, order picking and special vehicles. The aim is to reduce on-site operations through targeted remote access and to minimize downtimes through detailed remote diagnostics and optimized service preparation. The solution also enables remote parameterization and the resetting of maintenance intervals directly on the vehicle.

We therefore recommend adding a remote management system to our telematics solution. Integration via WLAN ensures a stable connection, enables direct access to the vehicle control system and the integration of additional control units. Encrypted connections are provided as standard; physical protection can be added as an option, for example by using key switches to deactivate remote access to the vehicle.

## > **FIRMWAREUPDATES**

This feature also enables targeted firmware updates. We recommend that these are only carried out as part of a service appointment and accompanied by a service technician on site to ensure a complete functional test of the machine afterwards.

## > **ADDITIONAL TRAINING**

The HUBTEX Data Portal offers flexible customisation options for the user interface and the creation of tailored reports. For optimal use, we enable web-based training by a HUBTEX expert or the joint creation of individual reports.

## > **RETROFITTING**

The HUBTEX connectivity solutions can be retrofitted in a large number of existing HUBTEX vehicles as standard. Simply ask our service department to check this. We will prepare an individual offer for you. The extended, optional functions are only available in the latest control unit generation.



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