



Avermann

Entsorgetelematik360 Clarity, clearness and efficiency for large waste disposal companies

The innovative and powerful waste management portal Telematik360 solves numerous challenges of large waste disposal companies. The system offers you a 360-degree view of your entire integrated waste disposal equipment. Depending on the equipped hardware, e.g. mobile waste compactors, GPS controlled filling level information and other relevant status information of your equipment are determined and displayed on an Internet portal. All current data can be displayed and communicated by email or directly to your ERP system via data interface. This gives you a quick overview of the status, allows you to evaluate business data, and then make sound process decisions that will streamline your operations.

Avermann
Maschinenfabrik GmbH & Co. KG
Lengericher Landstraße 35
49078 Osnabrück . Germany

Phone +49 5405 505 - 0 . Telefax +49 5405 6441
info@avermann.de . www.avermann.de



Entsorgetelematik360

EntsorgerTelematik360

Technical data

Your benefits:

- › **Universal:** Information can be transmitted to your ERP system via data interface. Thus, the scheduler can work with one single system.
- › **Multitenant:** Portal at the German data centre with redundant design for data security and individual rights of use.
- › **Efficiency-raising:** Due to the transmission of filling level information, the optimal collection time for mobile waste compactors can be determined.
- › **Analytical:** Operational data transmitted can be used to further improve route planning and company cost accounting.
- › **Responsive:** The web design reacts to the properties of the terminal device used to provide an optimal display, also on smartphones and tablets.

- › **Resource-saving:** Connection to the Avermann electronic control unit for the transmission of status and error messages – for clear reduction of service calls, e.g. due to actuated emergency stop buttons.

Hardware specifications:

- › Robust, compact and especially suitable for industrial use
- › GTM transmits current operating data and location information that are available for billing or operational control, and monitors operational areas and critical values.
- › Power supply and rechargeable battery: GTM can be connected to machines up to 100 VDC and maintains the machine monitoring in non-connected condition for up to six months thanks to an integrated rechargeable battery.



GTM



GTM installation on the cover of the switch box and connection to the Avermann circuit board

- › External GNSS antenna (GPS, GLONASS, Galileo, BeiDou) for best possible locating.
- › Exclusively D-network, roaming in Europe, including Germany, industry eSIM.
- › Interfaces: 5 digital inputs, 2 digital outputs. The GTM is directly connected to the Avermann

control unit via an RS232 interface and transmits all status and error messages.

- › Other modules are available from COGNID, e.g. for troughs.

Engineering overview

GloboTrack Machine (GTM)

Operating voltage	9-100 V DC
Rechargeable battery	Integrated. Machine monitoring up to six months with one battery charge
Data transmission	Possible worldwide using GSM, UMTS, LTE to EntsorgerTelematik360
Locating	Worldwide via GPS/QZSS, GLONASS and Galileo or BeiDou
Interfaces	5 digital/analogue inputs, 2 digital outputs, 2 x RS232/RS485, 1 x OneWire, 1 x CAN, 1 x adjustable voltage output
Housing	Impact-proof, weather-proof housing, especially suitable for industrial use. Type of protection IP67
Antennae	Mobile radio antenna and GPS antenna external
Other features	Monitoring of battery voltage, 3-axis acceleration sensor