

Technical Specifications

Software

- Data buffering and automatic GPRS reconnection
- Telemetry unit individually configurable via web interface
- Remote access via Internet while equipment is in operation
- Upload of configuration files

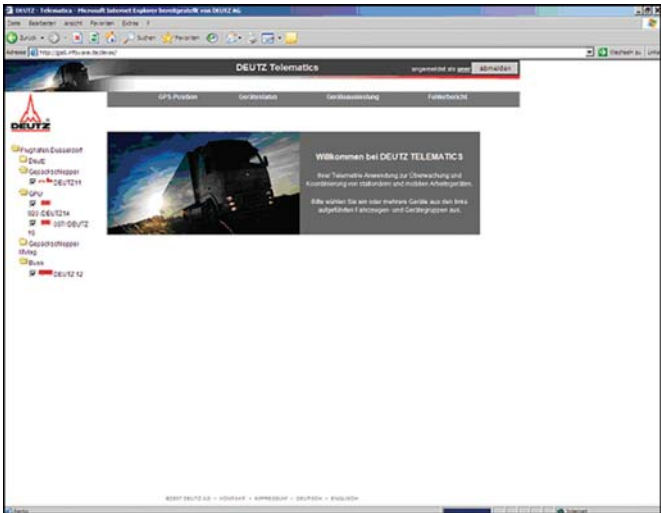
Manual configuration

- Server with interface for data import from external programs
- Optional interface to database server (SQL, Oracle, etc.)
- Read/write CAN access (depending on control unit)

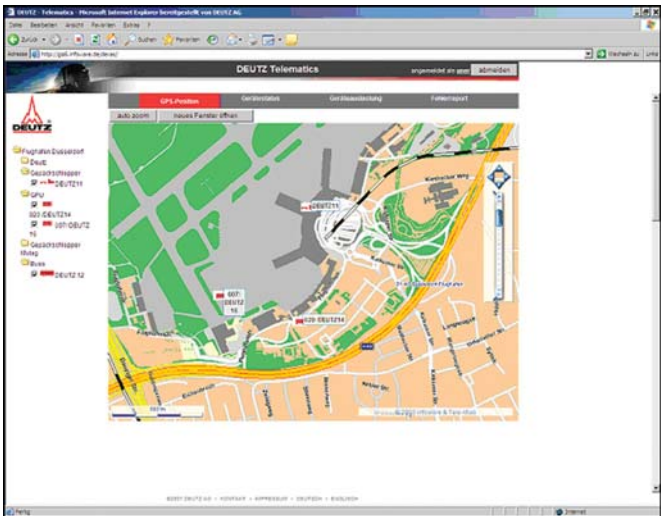
System requirements PC

Internet access, Microsoft Internet Explorer, Java

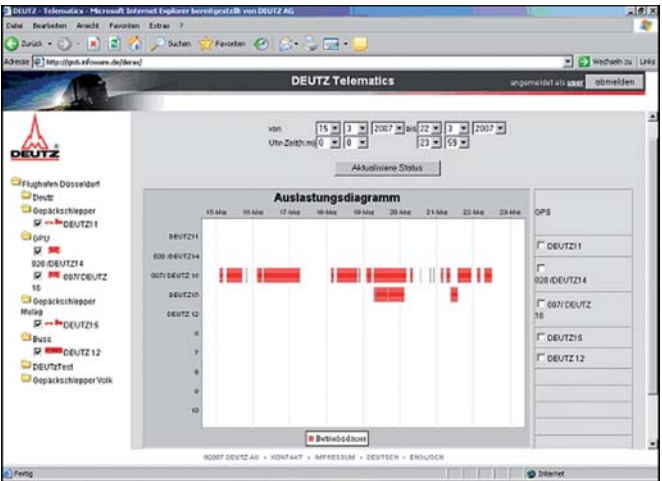
Select equipment on main screen



Map view



Capacity view



Data view

Gerät	Status	Gerät-Zeit	Kraftstoffverbrauch	Schmierölstand	Kühlmittelstand	Drehzahl	Spannung	Druckwasserstand
820 DEUTZ 14	OK	2007-03-22 11:57:43.000	100		100	0.000		
800 DEUTZ 16	OK	2007-03-22 11:57:44.000	0		0	0.125		
DEUTZ 12	OK	2007-03-22 11:57:51.000	0.00		0	0	11.00	
DEUTZ 11	OK	2007-03-22 11:57:54.000	0		0			
DEUTZ 15	OK	2007-03-22 11:57:59.000	0		0			

Customer Benefits

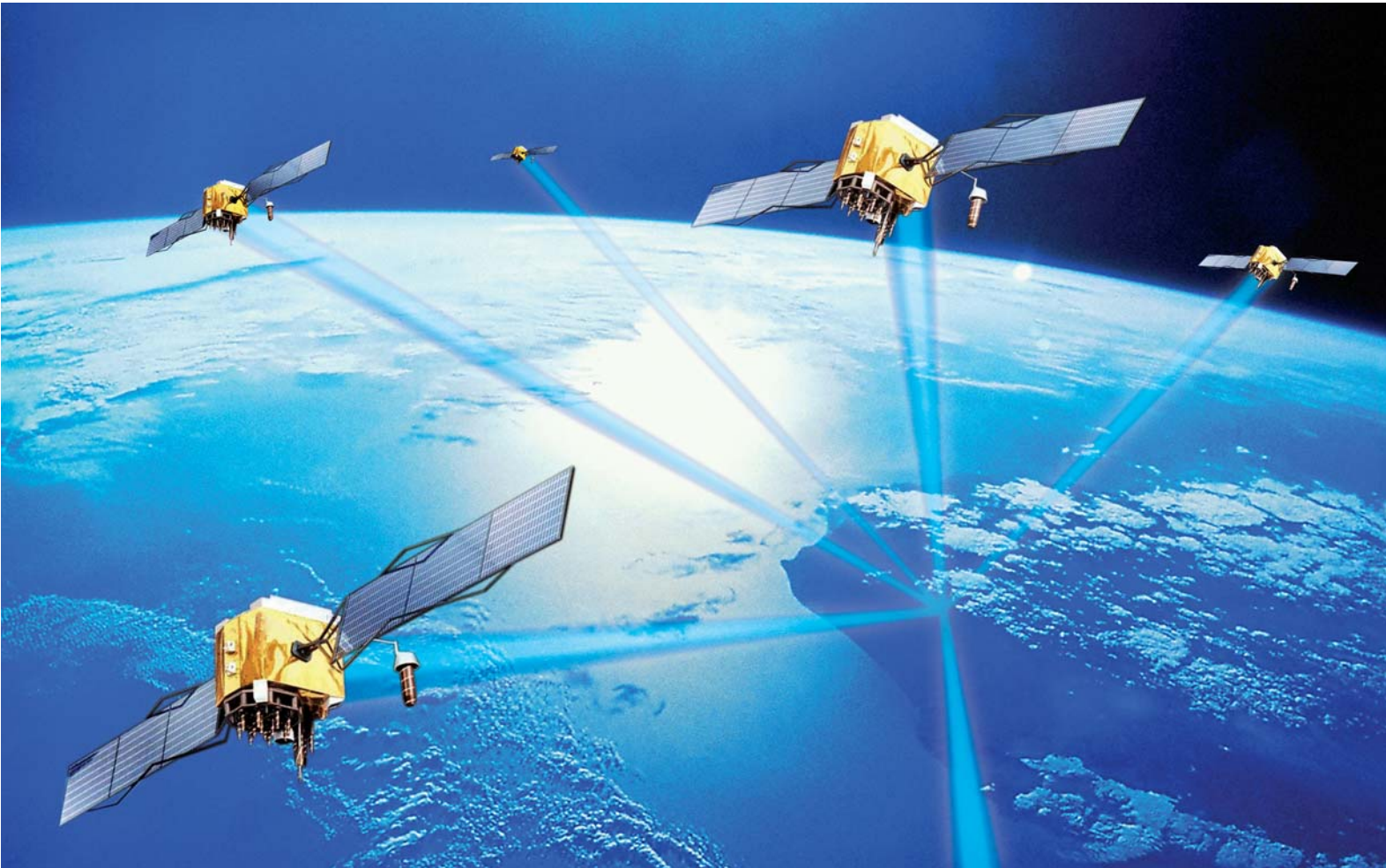
- Online monitoring of all engine functions possible
 - This results in optimized resource planning and equipment utilization
 - Improved scheduling of preventative maintenance work
- Positioning
 - Optimized equipment utilization planning (prevents over capacity)
 - Tracking location of rental equipment
 - Improved scheduling of service technician resources at remote locations
- Additional sensors, incl. oil level, fuel level and coolant level can be added
 - This provides flexibility to adapt system to meet any demands or requirements
- Option for online control of numerous functions
- Option to add other devices such as card readers for driver identification via standardized interface
- Anti-theft system
- DEUTZ Telematics available for use with any type of engine

The engine company.



DEUTZ Telematics

The solution for fleet management and online engine and equipment monitoring.



VP-V 07/07

The engine company.



The Solution

Main features that make DEUTZ Telematics the right choice for your equipment pool

- Reduction of excess capacity in your equipment pool by permanently monitoring efficiency and availability
- Optimization of dispatching activities by being provided permanent access to location information and equipment status (optional transfer of data to external systems via standardized interface)
- Reduction of downtimes by being alerted at an early time of problems
- Anti-theft system

The system consists of two basic components:

1. Hardware on the equipment

Telemetry unit

- Receive GPS location data, receive engine and equipment data via CAN bus or digital/analog inputs (rot. speed, operating hours, oil/fuel level, etc.)
- Transmit data at preconfigured intervals to central server via GPRS or, optionally, via WLAN

Sensors

- Additional sensors for fuel level, coolant level, oil level or other equipment-specific data
- Integration of other external devices possible

Input devices

- Card readers, etc.
- RFID

Output devices

- Monitors, etc.

2. Server

Data import

- Data prepared for online Internet access
- Administration of telemetry units
 - Creation of equipment groups
 - Assignment of access privileges via client system

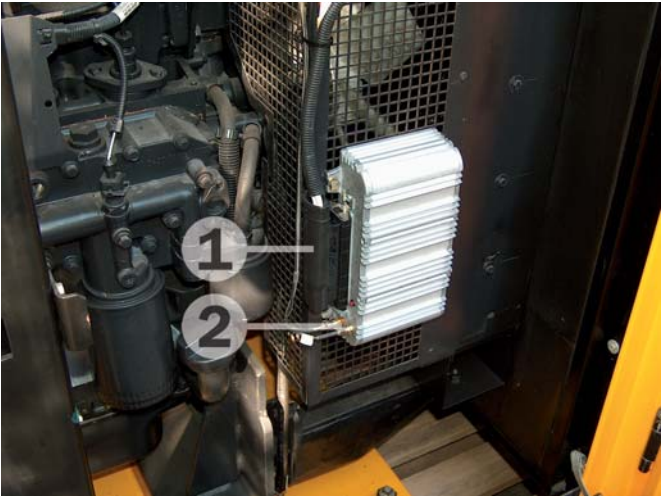


Example

Fleet management solution:

- Positioning
- Messages when oil or coolant reach minimum level
- Message when fuel level reaches minimum level
- Transfer of operating hours and other engine-related data
- Automatic notification when oil needs to be refilled, etc.

Sample installation on a generator



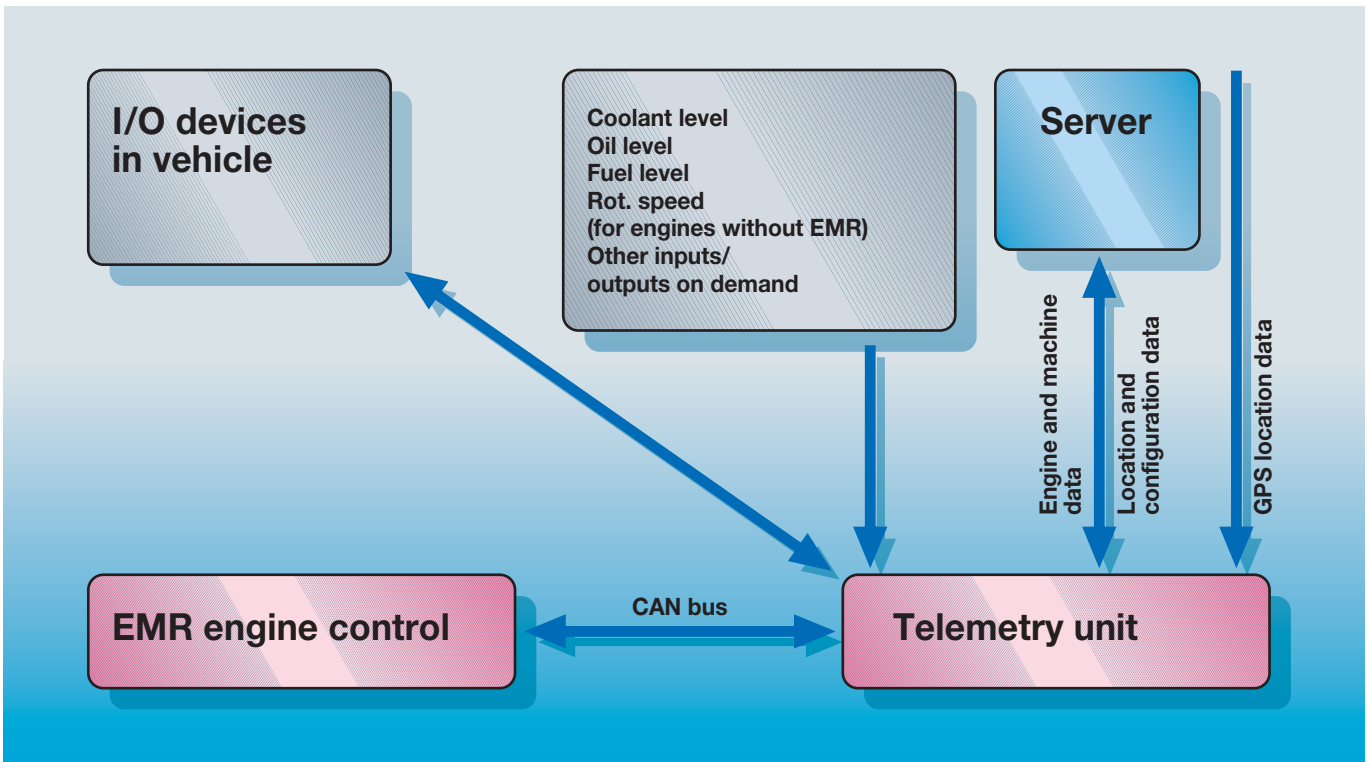
DEUTZ Telematics control unit

1. Plug with CAN bus and ports for analog parameters (pressure, temperature, fluid levels)
2. GPRS/GPS antenna cable



How it works

On vehicle:



User-side:

