



Innovative and efficient train-to-ground communication

The modular telemetering toolkit for existing vehicles

Vehicles acquired in the past have often not been able to send diagnostic messages or sensor and other data from the train control systems to land-side control centres during operations. Without such data transmission, technical faults in older vehicles can only be detected if the train driver notices them or if they are discovered in the depot. This leads to inefficient maintenance planning and unscheduled deliveries to depots, as well as insufficient information being available for decisions that have to be made during operations.

Our modular telemetering system retrofits vehicles with a data gateway and interfaces, thus enabling important communication between train and ground.



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**Our
knowledge
is your success.**

Our services

- **Data gateway and interfaces:** Reading, saving, processing and sending of vehicle data
- **Certified connection modules:** Suitable for all data interfaces in vehicle systems; non-intrusive and reliable
- **Retrofitting of existing vehicles:** Enables diagnostic messages and sensor and process-based data to be transferred to land side during operations
- Our technology ensures that **technical errors are detected immediately**, that maintenance planning is carried out efficiently at an early stage and that informed decisions can be made quickly in response to disruptions in operations

Your advantages

- **More efficient maintenance:** Shorter downtimes due to early planning and fewer vehicle-related delays
- **Permanent vehicle monitoring:** Prevention of serious problems, such as deep discharge of vehicle battery
- **Optimal geolocation features:** Track-specific automatic vehicle location and immediate detection of deviations from normal operations
- **Well-founded decisions:** High-quality vehicle data as basis for digitalised maintenance and data-driven decisions and processes
- **Certified, non-intrusive interfaces** allow adjustments to be made during utilisation with no additional homologation runs necessary
- **Modular system for flexible installation** in all vehicles and systems
- **High level of system availability** thanks to DB Systemtechnik's business-side application management

Your contact

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