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# Vehicle Tracking

## with the award-winning ADLER

ADLER, the Automated Digital Route Logging System, is the modern, scalable and Group-wide platform for the use of vehicle location data within Deutsche Bahn. Based on the world's leading geographic information system ArcGIS, ADLER is already creating added value with data and is used, for example, for real-time traveler information or to improve the data basis for scheduling recommendations.

The cross-divisional integration, consolidation and further processing of real-time vehicle data enables greater transparency within the network - also regarding the numerous upcoming construction projects.

Among other things, the real-time positions are used to identify bottlenecks at an early stage, reschedule vehicles in real time and improve the quality of operations - on the track and in the workshop. With the help of so-called geo-fences, maintenance processes are (partially) automated using positioning technologies to streamline them and counteract the shortage of skilled workers.

The full potential of location data comes from being fully utilized – neither on the ADLER vehicle location platform, developed by the DB Systel team TracE and Corporate Development, nor within the maintenance facilities. There is always talk and action for further developments, such as the use of ADLER by passengers or opening it up to other rail transport companies in the (international) rail industry.

### Benefits

- Automated and digital route detection (ADLER)
- Seamless vehicle tracking across the network
- Identification of bottlenecks
- Optimization of departure and delay forecasts
- Automated anomaly detection

## Contact