

advanced TrainLab

The Fastest Lab on Rails

The DB Systemtechnik *advanced TrainLabs* serve as open test platforms for industry and research, supporting technical innovation across the rail sector.

With two *advanced TrainLabs* based on Class 605 (ICE-TD) trainsets, a future-oriented testing environment is available that combines state-of-the-art testing and development capabilities within a flexible platform.



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Our services

- Consulting and requirements definition for testing projects
- Engineering, vehicle modification and implementation of test setups
- Budget, resource and train path planning
- Certification, approvals, safety and risk management (CSM-RA)
- Execution of test runs under real operating conditions
- Access to an extensive network of industry, academia, railway operators, infrastructure managers and funding organizations

Reference projects

Radio Technology – Connectivity Platform

Flexible roof-mounted carrier system for testing customer Wi-Fi solutions, railway radio systems and train-to-ground communication technologies.

→ Projects: GINT, 5G RACOM and FRMCS MORANE

Your advantages

- Simplified testing of components such as sensors, cameras and antennas under real-world conditions
- Flexible deployment across the entire German rail network at speeds of up to 200 km/h
- Reduced effort for dedicated test vehicles and infrastructure
- Support throughout the entire testing process – from concept to approval
- Cross-industry platform for joint developments with industry and research

F3 – Contact Wire Height Measurement at Standstill

Mobile measurement platform for the precise acquisition of contact wire heights and infrastructure parameters during regular operation.

→ Project partner: DB InfraGO AG

Your contact

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