



DB Systemtechnik

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All departments
and addresses

DB Systemtechnik

ESG

Designed to deliver

RA Railway Approvals



DB Systemtechnik: Technical expertise for the worldwide market of railway

DB Systemtechnik, the engineering centre for Deutsche Bahn AG, is one of Europe's biggest centres of excellence on railway technology. DB Systemtechnik is a high-performing, customer-driven service provider that, as well as authoritatively serving the DB Group by dint of its specialist knowledge is also increasingly active on the global railway market.

With technical units and 18 test centres, DB Systemtechnik covers a wide range of railway engineering. 780 employees deal with the orders placed by our customers at home and abroad. Two business segments ensure that customer enquiries are addressed in a professional manner. The engineering services segment focuses primarily on looking after our customers' fleets of rolling stock. We provide advice in procurement, operation and maintenance and also when it comes to the redesign of rolling stock. The segment for approval management, tests and certification offers all kinds of testing for components and whole vehicles.

DB Systemtechnik guarantees its customers independence, neutrality and confidentiality in respect of work. Their Management System has been certified by DIN EN ISO 9001 and accredited by DIN EN ISO/IEC 17025.



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With its English subsidiary Engineering Support Group (ESG) and the Notified Body Railway Approvals Ltd. (RAL) DB Systemtechnik aims to become the leading provider of railway engineering and testing services in Europe.

Railway Approvals now in Minden

RAL is a Notified Body (NoBo) which is an organisation that has been accredited by an EU Member State to assess whether a product meets certain defined standards. To strengthen its services to now offer in Germany RAL opened an office in Minden.

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DB Systemtechnik office Paris

In order to do a better job of processing existing orders, DB Systemtechnik opened an office in Paris in June 2012 of this year. Employing French staff enables us to significantly improve the quality of the service we provide. Following pilot measurement runs in France and the establishment of rules and regulations for homologation services, we are now in a position as the first non-French company to perform trials related to vehicle approvals in France solely with our own experts.

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Technical Engineering

Technical engineering expertise

- Technical fleet management
- Operations equipment maintenance
- Procurement support
- Studies and expertise
- Calculation and simulation
- Accident analyses
- IT-Systems
- Representation on national and international committees
- Qualification of suppliers
- Technical operating rules and regulations

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Maintenance Technology and Construction

Maintenance technology

- Planning for vehicle maintenance infrastructure and workshop equipment
- Manufacturing support
- IT-systems

Construction

- Construction support for new vehicles
- Class modification and reconstruction
- Refurbishment for rolling stock
- Damage and accident damage repairs

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Approvals/Tests Rolling Stock, Infrastructure

Rolling Stock

- Approval management
- Running tests and trials
- Safety assessment and Risk assessment
- Expert´s report
- TSI-Certification Rolling Stock

Infrastructure

- Condition monitoring infrastructure
- Part release infrastructure
- Tests and trials on the track
- Expert´s report
- TSI-Certification infrastructure

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Approvals/Tests Components, Diagnostic Systems

Measurement and diagnostic systems

- Pantograph/catenary
- Checkpoints
- Instrumented wheelsets
- Rail-type measuring and testing methods
- Inspection systems for rail and switches
- Testing and diagnostic systems (for Rolling stock and infrastructure)
- Non-destructive testing of rolling stock and track components

Components

- Certification of components/materials/working materials
- Laboratory tests and trials
- Expert Opinions
- Calibration of measuring and test resources
- Weak point analysis
- Damage and accident investigation

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