



## **Rolling stock workshops**

Consulting and planning for  
new-build and renewal projects

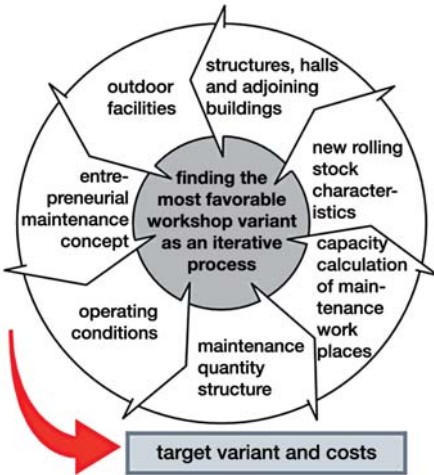
# **Exclusive know-how for your production processes, machinery and equipment**

We provide you with our specialists for all aspects of production technology. We offer comprehensive engineering and consulting, from the initial project idea via planning and construction of the workshops and equipment through to operational support.

## **Your benefits**

- Highly reliable cost estimates and schedule plans due to an extensive, current database generated from a large number of completed projects
- Conception of efficient solutions as part of the maintenance system due to a thorough command of the maintenance regulations
- Access to an extensive stock of drawings and acknowledged experts for rolling stock and component technology of the DB Systemtechnik GmbH
- Current know-how of approval procedures and formal requirements as required by insurance carriers and the homologation, supervisory and approval authorities
- Efficient, low-cost planning due to the continuous development and adaptation of best practice solutions
- Sharing the wealth of experience of the DB workshop planner
- Process-oriented solutions for your rolling stock maintenance based on the planning expertise of railway and industrial engineers: from on-site to heavy maintenance to component refurbishment

## Our main focus of activities



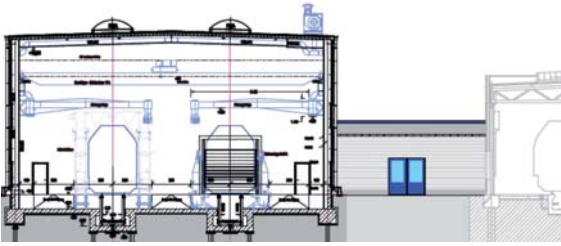
### Support of your project needs

- Maintenance concepts for transport tenders
- Adaptation of infrastructure for new vehicles
- Capacity expansion
- Workshop qualification and modernisation

### Main focus of activities

- Technical support of railway operators within transport tenders
- Variant analyses, feasibility studies and cost estimates for workshop projects
- Renewal and adaptation concepts
- Consulting and support in compiling factory development concepts
- System planning for rolling stock treatment equipment
- Analysis and optimisation of production processes
- Further development of production technologies
- Planning of engineering equipment
- Compilation of user-specific technical specifications and service programmes
- Technical support in the procurement process and in the acceptance and commissioning of engineering equipment

## Our range of services

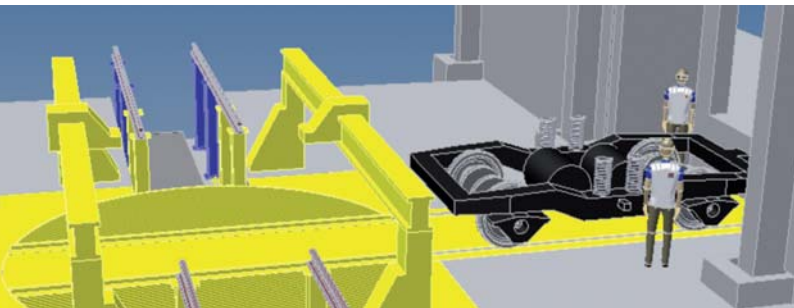


### Production and workshop planning

- Concept development and project preparation for new-build and renewal projects
- Provision of complex planning services as per German Fee Structure for Architects and Engineers by networking with internal and external partners
- Planning/reorganisation of production processes
- Factory planning of rolling stock components
- Compilation of profitability calculations
- Further development of the interfaces between rolling stock and workshop infrastructure

### Engineering and equipment planning

- Engineering services during project preparation, rough and fine planning and project implementation of engineering machinery and equipment
- Compilation of availability, reliability and LCC analyses for engineering equipment
- Process optimisation of complex machinery
- Technical support in the procurement process and in warranty management
- Construction planning and interface management in reorganisation and adaptation projects
- Machine-related hazard analyses



## Our experts

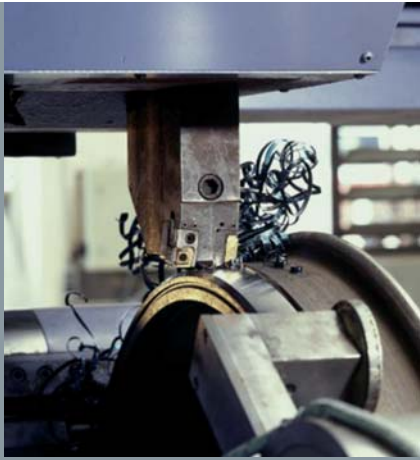


### We supply specialist know-how

- Production processes of railway operations
- Factory planning and production process design
- Workshops: layout and equipment
- Component production lines
- Logistics concepts and warehouse planning
- Business management computer, production control systems
- Wheelset and bogie replacement technology
- Component testing and diagnosis technology
- Wheel lathes
- Rolling stock external feed systems
- Crane, extraction and conveying systems
- Oil and coolant change systems
- Component cleaning systems
- Vehicle cleaning systems
- Working platforms
- Exhaust extraction systems
- Shot-blasting and painting systems
- Weighbridges, wheel/rail contact force measurement systems
- Brake testing systems
- Supply and disposal technology
- Sewage treatment systems



Our services are certified in  
accordance with DIN EN ISO 9001.



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## **Imprint**

DB Systemtechnik GmbH  
Infrastructure  
Rolling Stock Maintenance

Bahn Technikerring 74  
14774 Brandenburg-Kirchmöser, Germany

Dr. Ingo Trockels  
Phone +49 3381 812-325  
Fax +49 3381 812-264  
[ingo.trockels@deutschebahn.com](mailto:ingo.trockels@deutschebahn.com)

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