



Digitalisation of rail processes

Rail expertise and software development from a single source

The digitalisation of rail processes includes the automation of processes, such as data acquisition from test benches, laboratories and measuring instruments. Data infrastructures are essential for the acceptance, persistence, processing and provisioning of data. Our experts in software development and rail systems create tailor-made solutions for optimising processes and increasing quality. Our team will support you in the development of use cases and accompany you from the initial idea through to go-live. In addition to conventional software services, we offer consulting on the software development process in accordance with EN 50128 in the context of cloud usage and in line with data processing with defined integrity standards (up to SIL2). We provide all services in close collaboration with our experts for vehicles, components, operations and regulations.



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**Our
knowledge
is your success.**

Our services

- **Digitalisation and automation** of workflows, laboratories, test benches and measuring instruments
- **Provision and operation of cloud platforms** for data acceptance, data persistence, data processing, data provision and IoT management
- From the initial idea through to go-live: **An experienced team** of business analysts and software developers will support you in **use case development**, business case analysis and software development
- **Secure end-to-end data transmission** up to SIL2, in compliance with common standards for safety and OT security
- **Consulting in field of software development in accordance with EN 50128** in connection with cloud technologies
- **Comprehensive support** for digitalisation projects in rail sector, in compliance with legal requirements and guidelines

Your advantages

- Software development in cloud context with rail systems experts
- Deployment and operation of an entire technology stack
- Everything from a single source: vehicle, component and approval experts respond to queries on integrating digitalisation solutions into maintenance
- Wide range of established knowledge and application areas in field of robotics, energy optimisation in stabling & (wayside) monitoring systems, error patterns in diagnostic data, condition-based maintenance, AI image recognition in non-safety-critical areas

Your contact

Michael Heinz
michael.mc.heinz@deutschebahn.com
T: +49 152 331 334 72

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