

Taking consulting, planning, and implementation to a whole new level for infrastructure projects

The increasing complexity of construction projects requires the use of modern equipment and new methods that make conventional planning processes more efficient and project management more transparent. By using the BIM method, the working methodology of the future, DB Engineering & Consulting is setting new quality standards in comprehensive consulting, planning and the implementation of infrastructure projects.

With our experience and expertise in using the BIM approach, DB Engineering & Consulting is a reliable partner for your project. We offer a broad range of services that cover the complete lifecycle of an infrastructure asset.

With BIM we make a significant contribution to project management:



Better planning quality



Higher cost security / efficiency increase



Higher deadline reliability



Better lifecycle analysis



Increase in acceptance

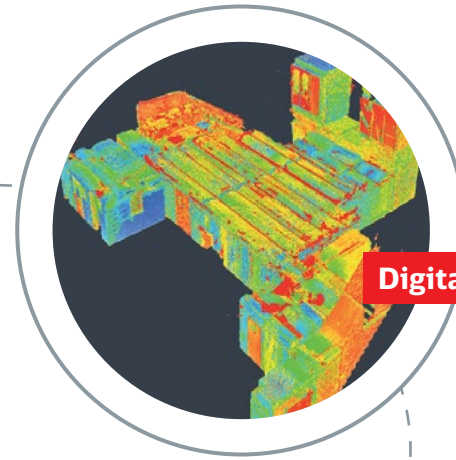
Process optimization

BIM consulting

- Strategy development
- BIM implementation
- Project support



BIM implementation plan



Digital inventory recording

- Laser scanning and point cloud processing
- Inventory modeling
- Subsoil models

Interdisciplinary

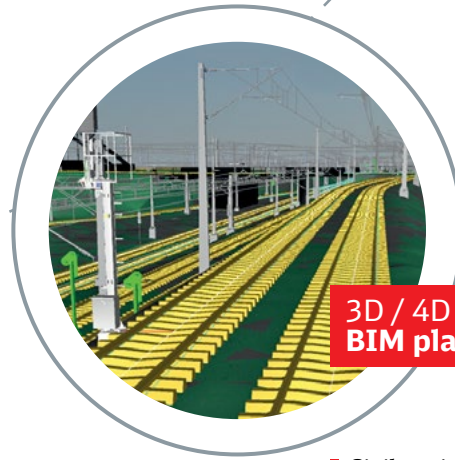
IoT-Lösungen

Common data environment

Virtual reality

Collaboration

Planning discussion using the model



3D / 4D / 5D BIM planning

- Civil engineering
- Structural engineering
- Equipment and transport facilities
- Model-based quantity determination and SLA creation
- Visualizations
- Construction sequence simulation

Automation



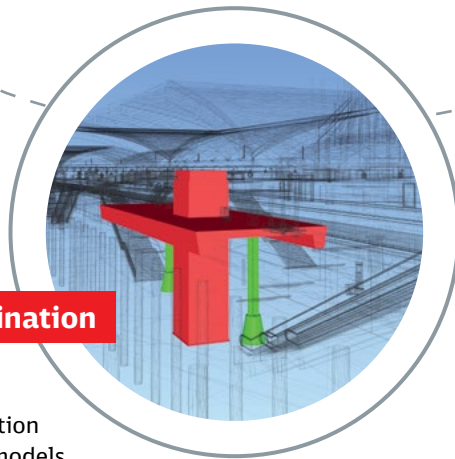
BIM-based implementation

- Model-based construction accounting
- Use of multicopters for mass calculation
- As-build Model

Digital twin

BIM coordination

- Model-based collision detection
- Coordination models



References:

Renewal of
Hanover Main Station, Germany

Modification Doberlug-Kirchhain Station
on upgraded line Berlin–Dresden

Line upgrade on core route
of Cologne S-Bahn (S11)

Green ICE Depot Cologne-Nippes

Karlsruhe–Basel line upgrade
and new line construction

Upgrade of Berlin–Stralsund
railway overpasses

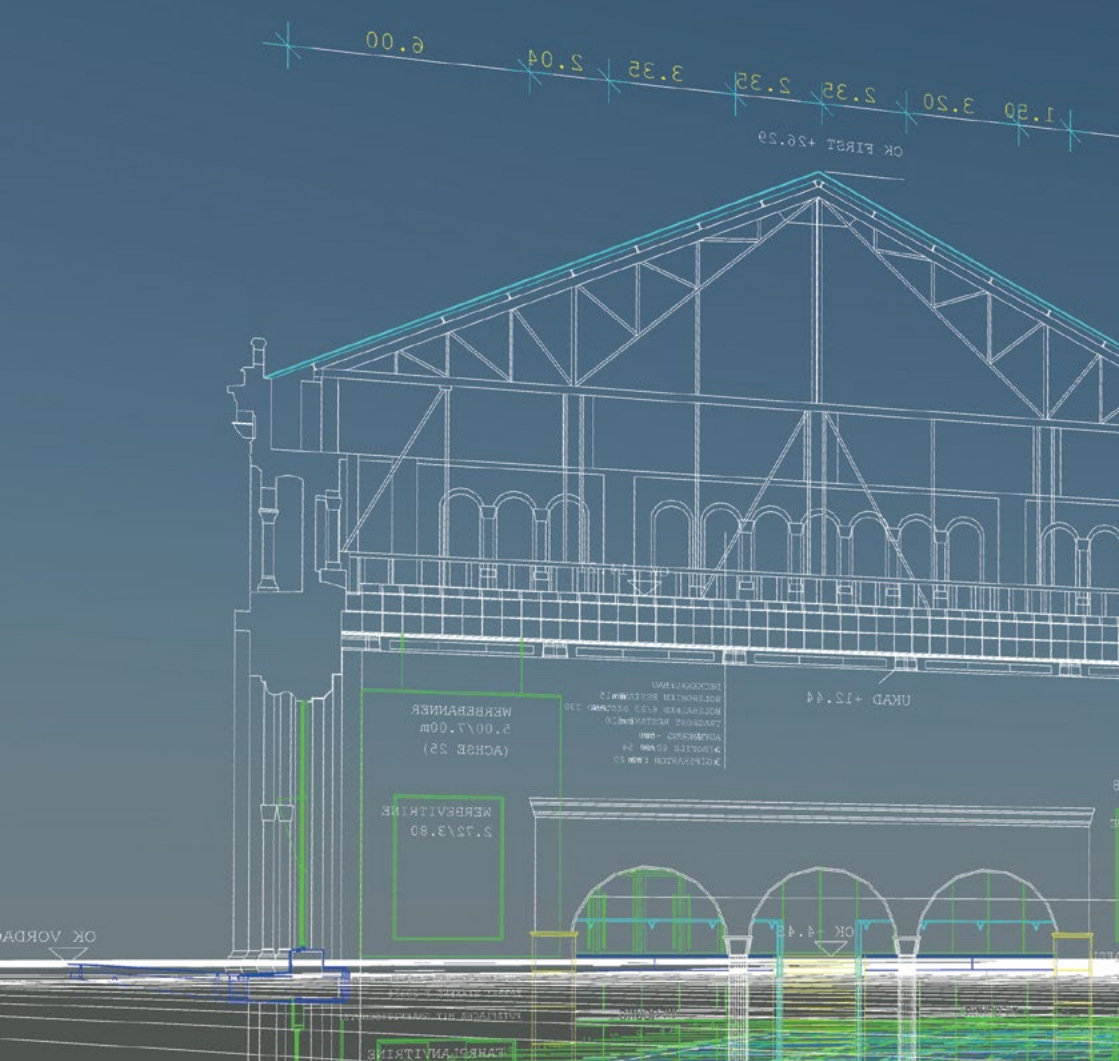
Fehmarn Sound crossing, Germany

You can find
more references
at our homepage.



Contact us. Our interdisciplinary experts advise and support you in the implementation and application of the BIM methodology.

bim.dbec@deutschebahn.com



Imprint

DB Engineering & Consulting GmbH
EUREF-Campus Haus 14
Torgauer Str. 12-15, 10829 Berlin

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