



Planning and modelling of railway technology projects (BIM)

Digital planning, construction, and foundations for operations

Product description

In traditional infrastructure projects, work is often carried out sequentially, without a shared as-is model as a common basis. As a result, clashes and inconsistencies are often identified late, resulting in interdependent inconsistencies. This leads to delays, unnecessary risks, and costly adjustments.

With BIM-supported planning and modelling, we create a shared, visual data foundation for all project stakeholders.

Our 3D model simplifies decision-making and strengthens the involvement of the entire project team. It enables virtual walkthroughs, supports joint coordination during the design phase, serves as a basis for work preparation, allows for 4D/5D simulations, and accompanies the project through to as-built documentation and integration into asset management.

Our services

- Modelling (creation of the model) in accordance with the project-specific requirements of the client
- Condition assessments and virtual project walkthroughs
- Planning and project modelling across all project phases
- 4D and 5D modelling for schedule and cost integration
- Creation of as-built models
- Model-based documentation of structures and projects

Your advantages

- High-quality and reliable foundations for efficient and forward-looking planning
- Efficient processes throughout the value chain thanks to targeted modelling information
- Cost and time savings through virtualised information for planning and construction preparation
- Highly reliable planning and reduced project risks
- Precise building documentation and transfer to operation

Contact

Digital Rail Services
 drs.ch@rsrg.com
 +41 43 322 23 23

