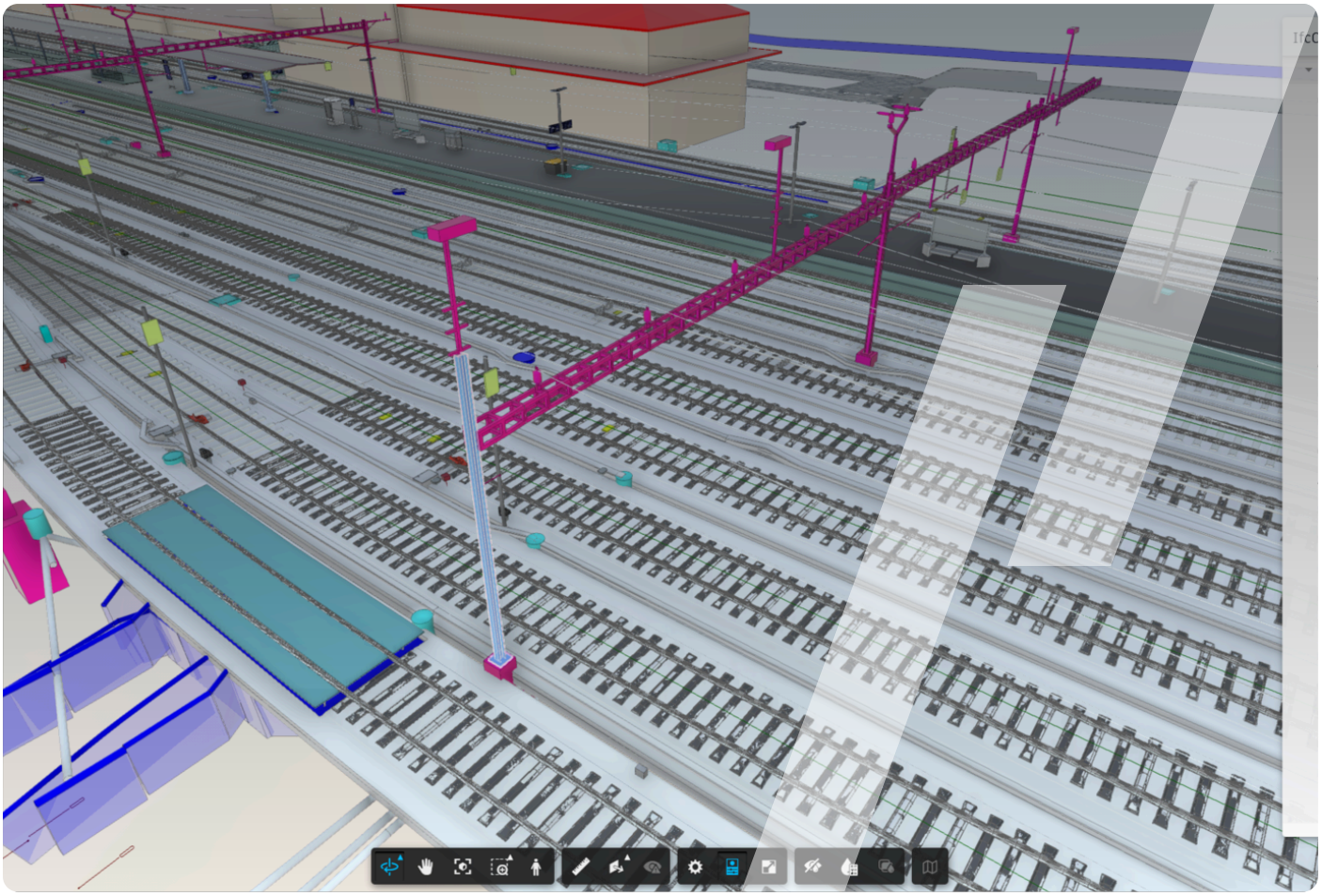
DIGITAL RAIL SERVICES

RHOMBERG SERSA RAIL GROUP



BIM modelling of an SBB railway station facility

BIM modellingn with complete subsurface documentation

Within just two weeks, our Digital Rail Services team delivered a comprehensive BIM model for SBB, setting new standards in digital asset capture.

Location:	Sion, Switzerland
Client:	SBB AG
Construction period:	2025
Services:	BIM model with complete subsurface documentation and intelligent data integration
Executing companies:	Rhomberg Sersa Rail Group (Schweiz)

Read more:

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BIM modelling of an SBB railway station facility

BIM modellingn with complete subsurface documentation

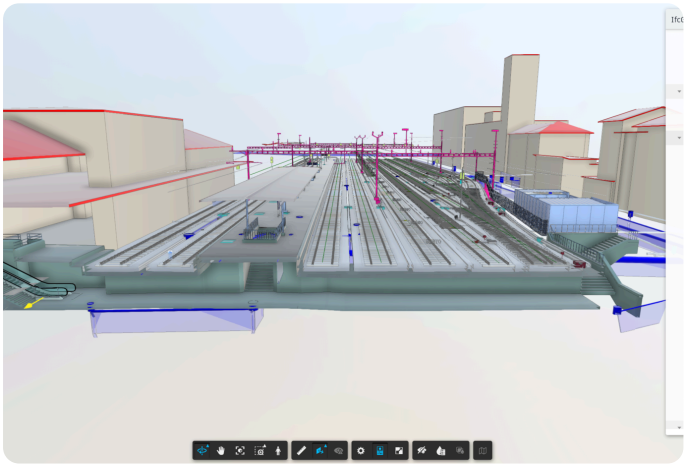
Key features of this project

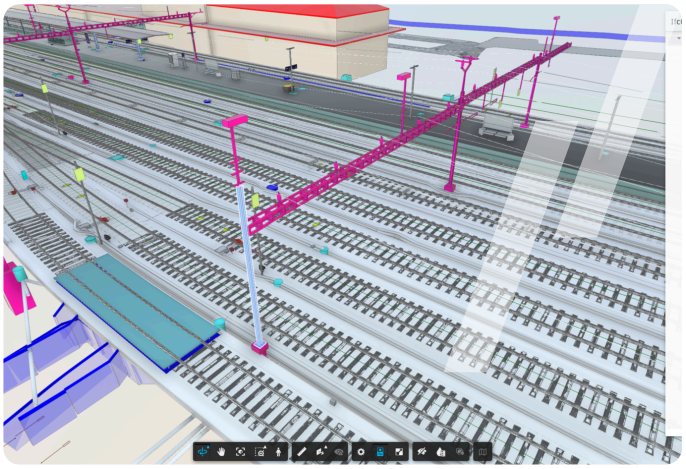
- ✓ **Complete subsurface documentation:**
  Not only the visible infrastructure, but also all structures and layers beneath the track bed were captured – including detailed properties of bore cores and geotechnical data.

- ✓ **Intelligent data integration:**
  All information from the Fixed Assets Database (DfA) is directly linked to the 3D geometry. Each object carries its full set of attributes – from mast numbers and sconstruction types to coordinates.

- ✓ **Standards & Structure:**
  The model is based on IFC 4.3 and is consistently structured according to SBB's discipline data catalogue, ensuring seamless integration and interoperability.

This type of digital twin enables well-founded planning and implementation of future projects and can be integrated into an asset management system to support improved maintenance planning.





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