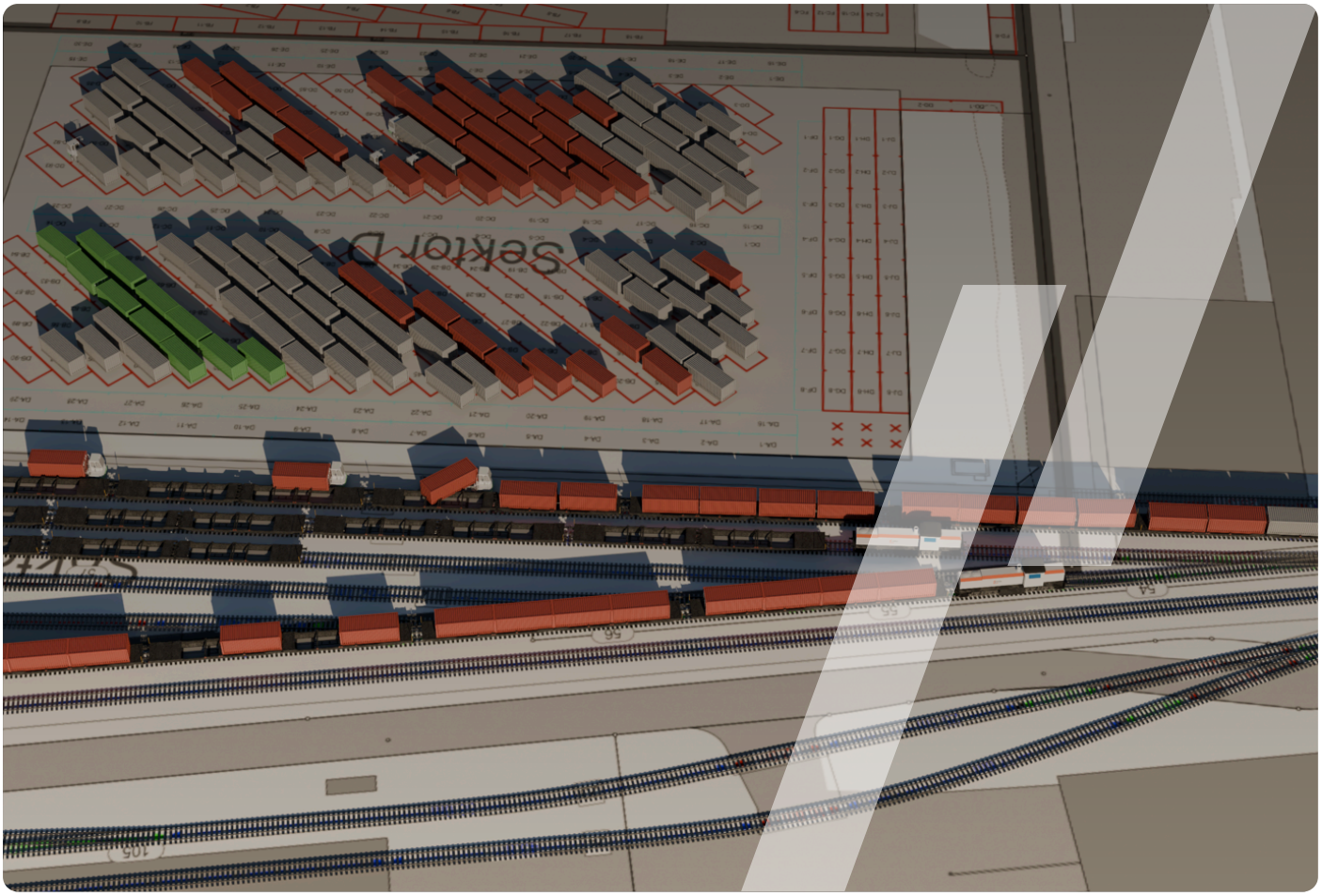
DIGITAL RAIL SERVICES

RHOMBERG SERSA RAIL GROUP



BIM RailCare: Virtual logistics planning and simulations
Switzerland

Project objectives

The aim was to digitally map and analyse the following logistics aspects:

- ✓ Lorry journeys and manoeuvring movements in the yard area
- ✓ Utilisation of the reloading ramps
- ✓ Utilisation and capacity limits of intermediate landfills (sectors)
- ✓ Identification of logistical bottlenecks and potential collisions

The logistics planning was programmed based on rules and processed to identify optimisation potential. The visualisation also served as a training basis for employees at the logistics centre.

Location:	Industriestrasse 17, 4612 Wangen b.O., Switzerland
Client:	railCare AG
Construction period:	August 2024 - March 2025
Services:	As part of the project, the existing plans for cargo handling logistics at the Coop Centre in Schafisheim were converted into a visual and easy-to-understand logistics simulation.
Executing companies:	Rhomberg Sersa Rail AG

Contact:
Rhomberg Sersa Rail Group (Schweiz)
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rhomberg-sersa.com

Read more:

DIGITAL RAIL SERVICES

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Switzerland

Focal points
- ✓ Simulation with 13 yard vehicles and 5 train compositions
- ✓ Analysis of container movements, parking options and shunting movements

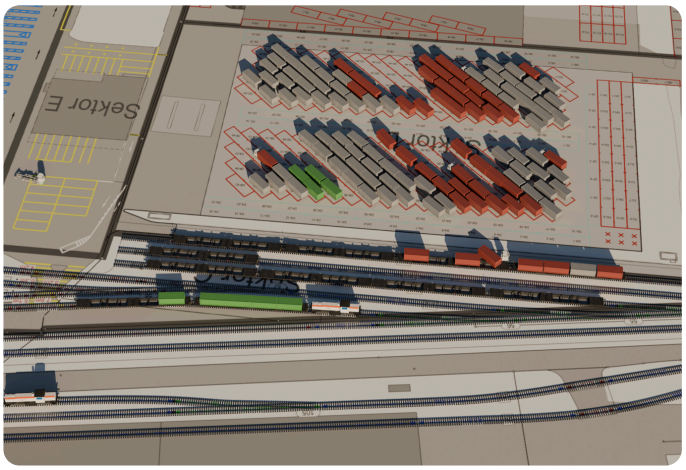
Results
- ✓ Error detection
- ✓ Concrete optimisation proposals
- ✓ Video documentation

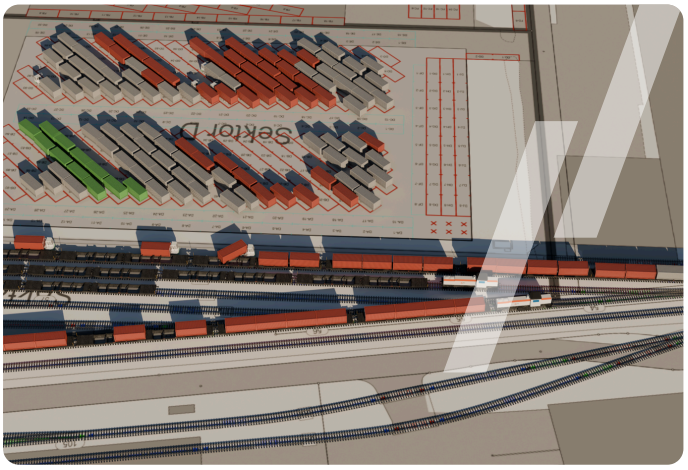
Technical data
- ✓ Approx. 800 individual manoeuvres simulated

Special features
- ✓ First visual logistics simulation of RailCare
- ✓ Simulation services with programmed logics

Our solution
- ✓ Logistics simulations with dProb







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Read more: