

Project Reference for BIM Services

Project Name: BIM track renewal 2018 Mellingen turnouts 1-6



Client

Infrastructure, Projects Engineering
Roadway & Geomatics
Project factory carriageway renewal
Bahnhofstrasse 12
4600 Olten

Reference Person

Michal Rubánko
Project manager
+41 79 879 23 86

Contract Amount

CHF 0.7 million

Contract Period

August 2018 - September 2018

Key Personnel

Project manager: Marcel Nolte
Site manager: André Malz
Foreman: Hüseyin Kidik

Project Description

As part of the first track renewal "with BIM", applications were defined together with SBB and initial tests were carried out. Our focus was on transferring data from the BIM models to the construction machinery. Furthermore, model-based collaboration on the CDE project was regulated and implemented with all project participants during the execution phase.

Technical Data

Total track length	450 m
Switches	6 pcs.
Cable duct (type T11, T23)	250 m
Track crossings	2 pcs.
Cable ducts	6 pcs.
Total excavation volume	2'500 m ³

Special Features

- The first BIM pilot project in the field of track renewal at SBB
- Digital construction site management
- Utilising machine data and feeding it back into the BIM model
- Definition of use cases together with the customer

Our Solutions

- Data preparation for 3D machine control and construction surveying

Summary of the client

"I was particularly impressed by the high level of self-motivation of everyone involved, which shows that BIM is seen as an opportunity to take processes and quality to the next level."

Michal Rubánko

