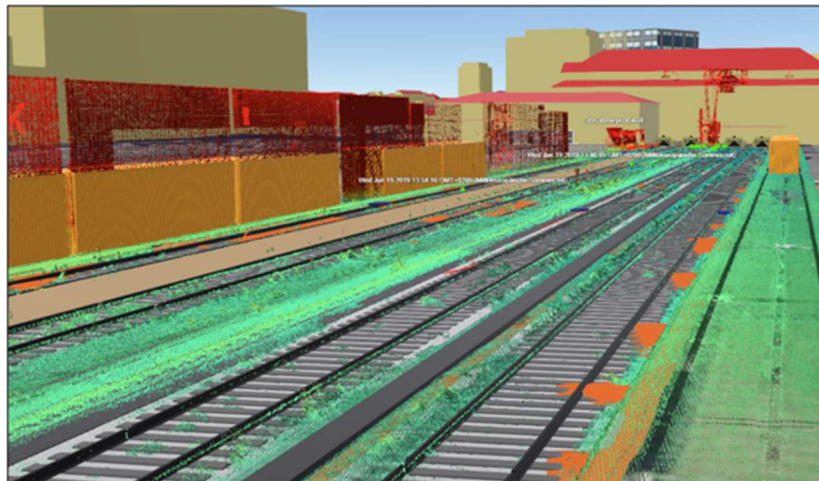


Project Reference for BIM Services

Project Name: BIM carriageway renewal 2019 Basel 1



Client

Swiss Federal Railways
Infrastructure, Projects Engineering
Projectfactory carriageway
Bahnhofstrasse 12
4600 Olten

Reference Person

Reto Buchmann
Project manager
Phone: +41 79 640 54 20
E-mail: reto.buchmann@sbb.ch

Contract Amount

CHF 1.6 million

Contract Period

November - December 2020

Key Personell

Project manager/construction management:

- Marwin Voss
- Phone: +41 79 676 96 11
- E-mail: marwin.voss@rsrg.com

Modelling and BIM coordination:

- Rosalie Holzinger
- Phone: +41 79 937 72 48
- E-mail: rosalie.holzinger@rsrg.com

Project Description

The "Track renewal SBB GB GI Z3, Z4, Z5, Z6" project is a second BIM pilot project, with the main focus on execution, in particular the interfaces from the data model to the construction machine and back. The "lessons learned" from the FbE18 Mellingen project were taken into account and implementation processes were further optimised. The framework conditions with regard to intervals, conversion procedures and accessibility were ideal in this project.

The following use cases on the subject of digitalisation and BIM were commissioned:

- 3D modelling incl. collision check and coordination
- 4D and 5D model Construction site planning and cost model
- Digital construction site management (including defect management) and BIM2Field use
- Fiel2BIM (data feedback into the model)
- As-built model and transfer to SBB databases

Technical Data

Project perimeter:

Track Z 3; 370 m / Track Z 4; 372 m / Track Z 5; 333 m / Track Z 6; 334 m Total length 1,428 m

Special Features

- Collaboration in the development of the BIM methodology in the area of carriageways

Our Solutions

- Inventory with 3D scan
- BIM as-built model for railway technology
- Planning and modelling phase of construction project (railway technology)
- Construction process and logistics simulations
- Data preparation for 4D machine control and construction surveying
- Feedback of the survey data into the model

Partner Company

Amberg Engineering

SBB CFF FFS Dashboard Baustellmanagement

Zum Beenden des Vollbildmodus **F11** drücken

Glück/Werker	Auslauf K1.1 fertig	Auslauf fertig	Auslauf K1.2 fertig	weitere weitere K1.3 fertig	weitere weitere K1.4 fertig	Vorbereitung K1.1 fertig	Vorbereitung fertig	Vorbereitung K1.2 fertig	weitere weitere K1.3 fertig	weitere weitere K1.4 fertig	Gleisbau K1.1 fertig	Gleisbau fertig	weitere weitere K1.2 fertig	weitere weitere K1.3 fertig	1. Straßung K1.1 fertig	1. Straßung fertig	1. Straßung K1.2 fertig	weitere weitere K1.3 fertig	weitere weitere K1.4 fertig	2. Straßung K1.1 fertig	2. Straßung fertig	3. Straßung K1.1 fertig	3. Straßung fertig	
Z6	11/02/2019 11:00:00 heute	Ja	11/02/2019 11:00:00 heute	Ja	11/02/2019 11:00:00 heute	11/02/2019 11:00:00 heute	Ja	11/02/2019 11:00:00 heute	Ja	11/02/2019 11:00:00 heute	11/02/2019 11:00:00 heute	Ja	11/02/2019 11:00:00 heute	Ja	11/02/2019 11:00:00 heute	Ja	11/02/2019 11:00:00 heute	Ja	11/02/2019 11:00:00 heute	Ja	11/02/2019 11:00:00 heute	Ja	11/02/2019 11:00:00 heute	Ja

Aufträge offen: 26 **Aufträge erledigt: 4**

Legende: Unassigned, Assigned, In Progress, Completed, Declined, Paused, Cancelled

Fotos: Survey Point

Publikation Baustelle: 11/04/2019, 11:27 vorm. / mona.dietler_jbbch, 11/04/2019, 11:27 vorm. / mona.dietler_jbbch, 11/04/2019, 11:27 vorm. / mona.dietler_jbbch, 11/04/2019, 11:27 vorm. / mona.dietler_jbbch, 11/04/2019, 11:27 vorm. / mona.dietler_jbbch, 11/04/2019, 10:38 vorm. / mona.dietler_jbbch, 11/04/2019, 10:38 vorm. / mona.dietler_jbbch

Planen

Bauen

Sharepoint

Kommunizieren

SBB CFF FFS