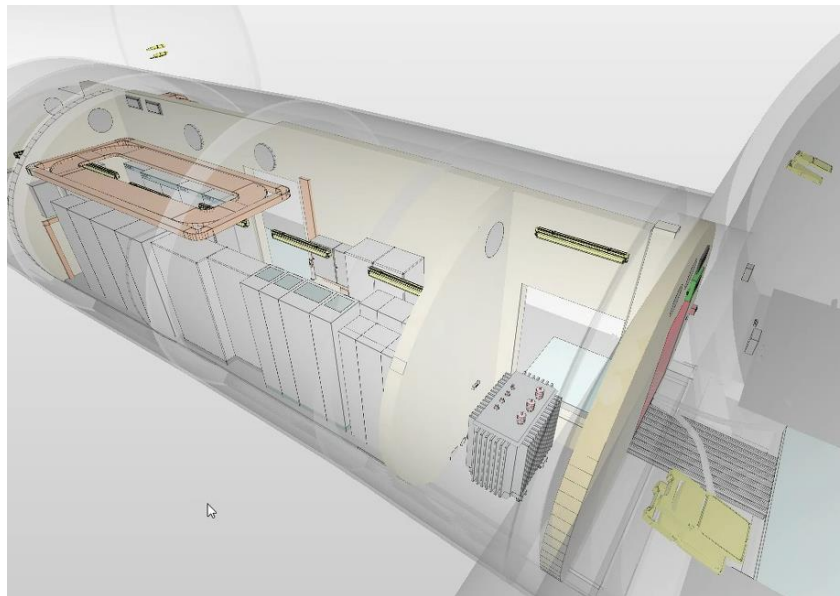


Project Reference for BIM Services

Project Name: BIM Koralm Tunnel GU2



Client

ARGE BTA Koralm GU2
Schönaich 108/2
8521 Wettmansstätten

Reference Person

Mr Günter Strohmaier
Project manager
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Contract Amount

Around € 760,000

Contract Period

2021 - 2025

Project Description

The Koralm Tunnel is the centrepiece of the approx. 130 km long Koralm Railway and has a length of 32.9 km. The KAT-GU2 project consists of the two ventilation structures Paierdorf and Leibenfeld, the water protection facilities, portal buildings, the tunnel structure (2 driving tubes) including 69 cross-passages and the emergency stop.

ÖBB is pushing ahead with the implementation of BIM for planning, execution and operation. The following services were required in detail:

- Creation of BIM specialised models to improve planning quality
- Coordination of specialist trades through model-based work to improve communication
- Creation of a BIM as-built model for overall model-based building documentation

Technical Data

Creation of BIM models for the following trades:

- SFE cable construction services
- Energy technology
- Telecommunications
- Safety technology
- Mechanical systems
- Tunnelling equipment
- Third-party planning services (tunnel doors, shaft access system, etc.)

Scope

138 models of the cross-passages with approx. 355 elements each

10 models of the buildings, each with around 200 elements

36 models of the travelling tunnel tube with approx. 650 elements each

Our services

- BIM overall coordination
- BIM modelling & coordination of SFE cable construction services
- BIM modelling & coordination energy technology
- BIM Modelling & Coordination Telecommunications
- BIM modelling & coordination of safety technology
- BIM modelling & coordination of mechanical systems
- BIM modelling & coordination of tunnel equipment
- BIM modelling & coordination of third-party planning services

Partner Companies

PDE Integrale Planung GmbH
Absberggasse 47
1100 Vienna

ETS planning office for electrical engineering
Baumbichlstrasse 28
5026 Salzburg Aigen

