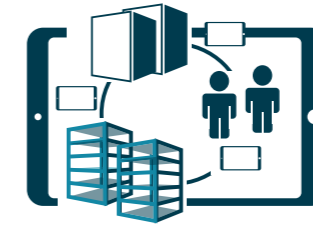


BIM Collaboration



OVERVIEW

- The logical next step of the tried and tested drawing review feature
- All project information from DMS, the drawing management system and BIM on one platform
- The fully-integrated, workflow-based BIM solution from the market leader in infrastructure construction
- Automation: Categorisation & index management of all 3D, 4D and 5D documents
- Flexible modelling, any desired combination of coordination models from partial models
- Straightforward creation of 3D viewpoints with extensive redlining functions

BIM consists of working methodology, process design, communication, organisation as well as corporate and project culture. Only by incorporating all of these points can BIM achieve its full potential.

Control via rights and authorisation management: individual project participants can be assigned different roles. Integration of EPLASS and DESITE for BIM management with various functions for the visualisation, review, analysis and expansion of models as well as model-based communication between project participants.



The most important functions

- **Submodels:** The first step in managing 3D BIM models in EPLASS is uploading submodels to the BIM database in IFC or CPIXML format. EPLASS enables users to display the configured models without any additional software installations using the integrated 3D viewer.
- **Coordination models:** Submodels are compiled individually to create 3D coordination models and managed by independent categorisation and versioning. Selected 3D coordination models are then assigned 4D and 5D documents.
- **3D viewpoints:** The powerful 3D viewer creates 3D viewpoints and generates automatic PDF sections. Redlining functions with comments are supported, as is workflow-based distribution. 3D viewpoints can also be compiled and exported in BIM collaboration format (BCF).

Use in pilot projects of the the Federal Ministry of Transport and Digital Infrastructure (BMVI): Karlsruhe–Basel expansion and new section, Rastatt tunnel shell construction, A99 four-lane expansion Munich North Autobahn junction to the Haar junction, A111 Westend Bridge via Charlottenburg interchange