2TDK Project Process and BIM Workflow

- Basic design
- Drawings
- Model coordination
- BOQs linked to BIM
- BOQs
- Detailed design with drawings, BOQs, and BIM models
- Use of BIM during Construction with 4D and 5D control

- Project brief
- Attribute database
- BEP
- CDE

- All models in IFC 2x3
- Attribute database
- Geology - QEI
- Geotechnics - GET
- Excavation - IZK
- Support - PRP
- Track - ZUZ
- Catenary - VZM
- Structures - KON
- Architecture - ARH
- Electrical - ELO
- Mechanical - STO
- Ventilation - VEN
- Sewer + Structures

- Import BIM models
- Get quantities
- Use to set up BOQ

- Reporting to designers
- Check of linked BOQ items
- Partial BOQ

- Import project BOQ linked with BIM models through filters

- Potential use of BIM for Facility Management

- COMPILE
- PROJECT
- VISUAL CHECK
- CONFLICT CHECKS
- ATTRIBUTES CHECK
- REVIEW RESULTS
- COMMUNICATE
- UPDATE PROJECT
- CONFICT CHECKS
- BIM models (3D + data)

- Use of BIM during Construction with 4D and 5D control: Potential use of BIM for Facility Management.