

KorFin® Rail Coordination

5D Platform for the coordination of large projects

KorFin® is a 5D platform with 3D real-time planning for road, rail, line and cable infrastructure. The platform provides a real-time environment for efficient generation of dynamic, spatial overall models for as-built data, integrated planning, visualization and coordination in applications with high model accuracy. KorFin® integrates GIS, construction process management (4D) and model-based cost calculation (5D).

DYNAMIC OVERALL MODEL

The combination of environmental data from public and private sources, core or laser surveys, and dynamically planned DTM changes to your DTM is all fully automated. Use different LoD levels to integrate all details from DTM and DOP. Add city models, vegetation, roads, overhead lines, subsoil or existing pipelines. Define specialized models such as CCS and OCL using standardized components and component groups. This enables you to model highly accurately in the shortest possible time or import via specific interfaces.

DYNAMIC SPECIALIST PLANNING MODELS

KorFin® uses your routing directly and in its original form. You position all specialized objects such as tracks, infrastructure path, OCL masts/booms/catenary sections, signals, noise protection, platforms with/without equipment or channels exactly and relative to the routing. You build dynamic specialist models that automatically check and evaluate the dependencies within specialist objects. This allows you to quickly control and optimize the overall planning iteratively.

INTEGRATION OF EXTERNAL SPECIALIST MODELS

External planning without direct routing can be easily integrated via IFC.

CLASH ANALYSIS IN THE OVERALL MODEL

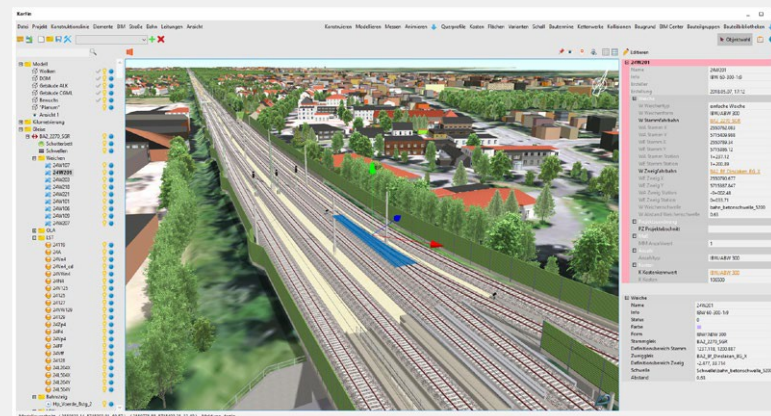
You define a case-specific searches for clashes, such as in clearance or in control of the CCS, and these can be performed repeatedly. Results are a status report or explicit comments that you pass on via BCF.

AUTOMATION IN THE OVERALL MODEL

Script-driven automation lets you add attributes and other enrichments to your overall model, detach partial or specialized models, or generate specific quantity and cost evaluations or other reports.

COMMUNICATION WITH KORFIN® VIEW

Create a sharable project version for communication and coordination at the touch of a button.



KorFin® overall model from as-built and planning data with planned attributes and parameterized specialist objects



KorFin® CCS from components and component groups in manufacturer-specific component libraries



KorFin® as-built model with automatic construction substrate layer models from relational boreholes