

KorFin® Road 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

Your DTM is calculated automatically from combinations of environmental data from public and private sources, core or laser surveys, and dynamically planned changes. Use different LoD levels to integrate all details from DTM and DOP. Add city models, vegetation roads, overhead lines, subsoil or existing pipelines. You can define compartment models using standardized components and component groups. This all means you can model highly accurately in the shortest possible time or import via specific interfaces.

DYNAMIC SPECIALIST PLANNING MODEL

KorFin® uses your routing directly and in its original form. You can position all the specialist objects, such as earthworks with embankments and soil replacement, superstructure with base and surface courses, frost protection, equipment, signage and markings, as well as channels precisely and relative to the routing. Build dynamic domain models that automatically check and evaluate the dependencies within domain 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

Define searches for clashes on a case-specific basis, such as searching in clearance or signal visibility. When the data are changed, the analyses can be repeated at any time. The results are a status report or comments that you pass on via BCF.

AUTOMATION IN THE OVERALL MODEL

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

COMMUNICATION WITH KORFIN® VIEW

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



KorFin® overall model from as-built (hidden) and planning data with parameterized specialist objects



KorFin® overall model with the results of a sound immission calculation



KorFin® overall model with substrate details for the foundation of bridge supports