

KorFin® Road

5D Platform for road planning

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).

With KorFin® Road you process different use cases in parallel and on one platform.

CREATION OF AS-BUILT MODELS INCLUDING GEOSPATIAL DATA

KorFin® supports high data volumes for your surveys and DOPs and creates specialist, component-oriented objects with either KorFin®'s own or your component libraries. The integrated GIS for environment, spatial planning, cadaster and other subjects adds further information to your as-built model.

ROUTING ROADS DURING PRELIMINARY PLANNING

Route in compliance with guidelines, in 3D and real time, with automatic embankments, cuts, bridges, tunnels, retaining walls, areas, volumes, quantities and costs.

OBJECTIVE VARIANT ANALYSIS

Already in the routing phase, environmental, regional planning, and traffic noise impacts are calculated in accordance with the applicable regulations. Determine preferred variants on the basis of these objectively calculated values.

PLANNING ROADS IN LATER DESIGN PHASES

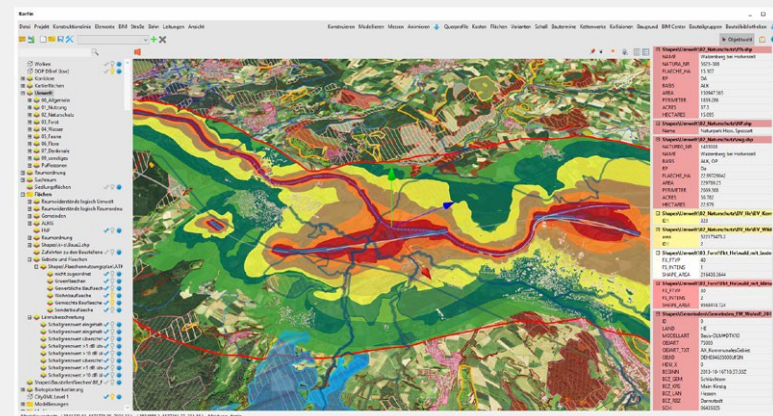
Create volumes directly from your original linked plans via routing and cross sections. Specialist objects are based on components and relate directly to your routing. This is how you create dynamic, i.e. parametric, specialist models.

COORDINATION

Load any number of specialist models, such as routes, junctions, engineering structures, or lines, enrich them with additional specialist data and automatically evaluate them according to time, costs, or clashes.

VISUALIZATION

Your overall model was already generated with high-quality textures and can be used in its entirety, including all planning details, for visualization without further processing steps.



KorFin® as-built models from DTM, buildings, vegetation, and geospatial data, as well as noise evaluations



KorFin® routing with model-based quantities and costs as well as construction schedules



KorFin® real time visualization with real shadow casting