

KorFin® Environment

5D Platform for automated environmental analysis

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).

MANAGEMENT OF DYNAMIC INVENTORY MODELS INCLUDING GEOSPATIAL DATA

In your as-built model, any project size is realized for DTM, DOP/TM and with complete geospatial data on environment, and spatial planning, as well as other topics. Organize environmental topics in KorFin® and move in 3D. When your inventory data changes, your overall model as well as all dependent calculations such as your environmental analyses are automatically updated.

GIS

KorFin® is your tool for calculating overlays, averages, differences, unions or puffers. You connect the work steps logically to a chain and perform them automatically for different input data. Thus, your analyses are constantly updated with the current geospatial data and the planning status.

INTEGRATED ANALYSIS FOR ENVIRONMENT AND SPATIAL PLANNING

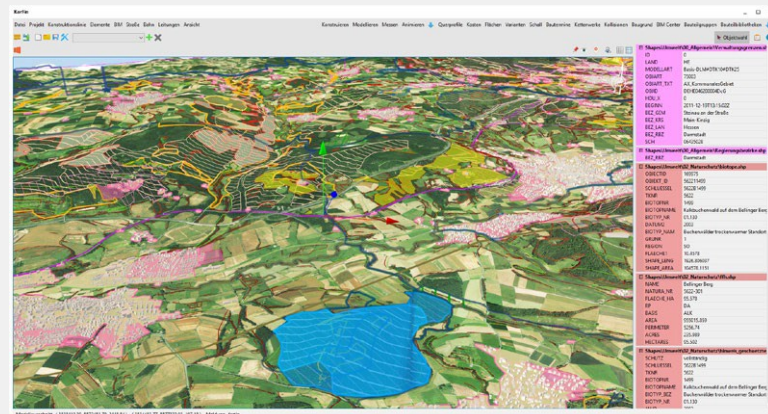
For all variants and combinations of variants consisting of lines or concrete alignments, as well as all defined analysis corridors, you can calculate the environmental and spatial impacts with or without dynamic spatial resistances at any time in just one step.

COMPLEX VARIANT ANALYSIS

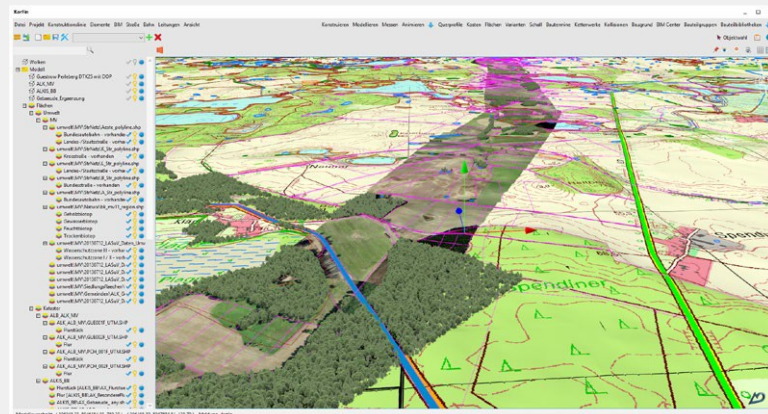
Route an unlimited number of active lines, corridors, or variants, in 3D and real time, in a common overall model. Define a variant network from your planning and leave the combinatorics, analysis of the environmental and spatial impacts, as well as the objective selection of the preferred to KorFin®, which uses your criteria.

VISUALIZATION

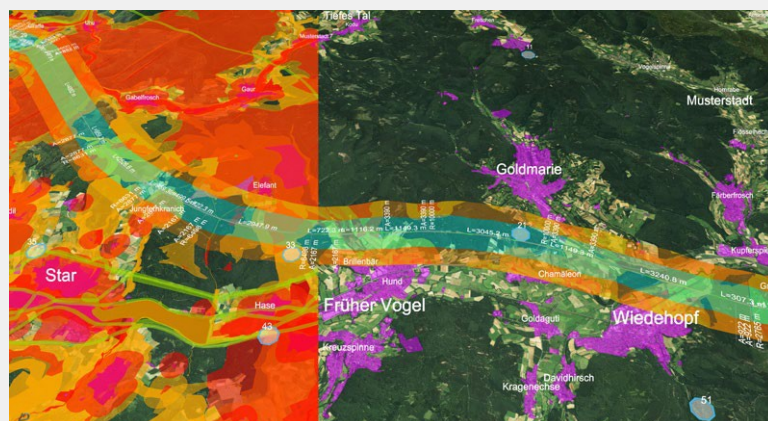
Your overall model is already generated with high-quality textures. It is thus used in its entirety, including specialist data and analysis results of all generated variants, for visualization.



KorFin® DTM, construction and geospatial data



KorFin® routing on DGM/TM and geospatial data



KorFin® calculation of dynamic spatial resistances and dynamic GIS analysis