

KorFin® Energy

5D Platform for overhead power lines and underground cables

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 inventory model, any project size is realized for DTM, DOP/TM and with complete data for the environment, spatial planning, as well as other topics. In case of changes to your as-built data, your overall model as well as all dependent calculations are updated.

COMPLEX VARIANT ANALYSIS

You route an unlimited number of active variants in an overall model, in 3D and in real time. Select only the boom type and cable assignment. During routing, KorFin® calculates the mast distribution, valid masts, the sag, wind uplift, safety area, the terrain heights, and minimum distances to buildings or vegetation, taking into account end growth heights.

VEGETATION CLEARING AND REFORESTATION

Based on your overhead line or underground cable in the current planning state, KorFin® automatically determines the vegetation to be cleared. You can reforest areas again.

VARIANT ANALYSIS IN THE VARIANT NETWORK

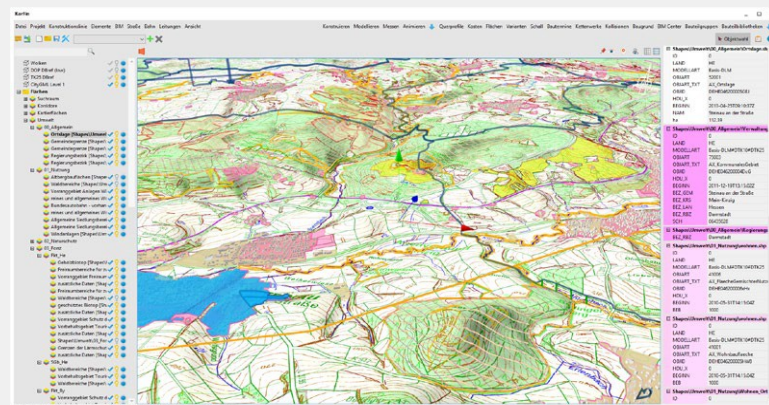
Define a variant network from your routing, for automated variant determination. Leave the combinatorics, the analysis of the environmental and spatial impacts, and the objective selection of the preferred route based to KorFin®, which uses your criteria.

INTEGRATED ANALYSIS FOR ENVIRONMENT AND SPATIAL PLANNING

Perform the analysis of environmental and spatial impacts for all variants and variant combinations, as well as for all corridors of consideration at any time, with or without dynamic spatial resistances, at the push of a button.

VISUALIZATION

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



KorFin® with extensive inventory data including geospatial data



KorFin® Energy with real-time routing, including safety area and minimum distance control



KorFin® Energy with planning of route extension