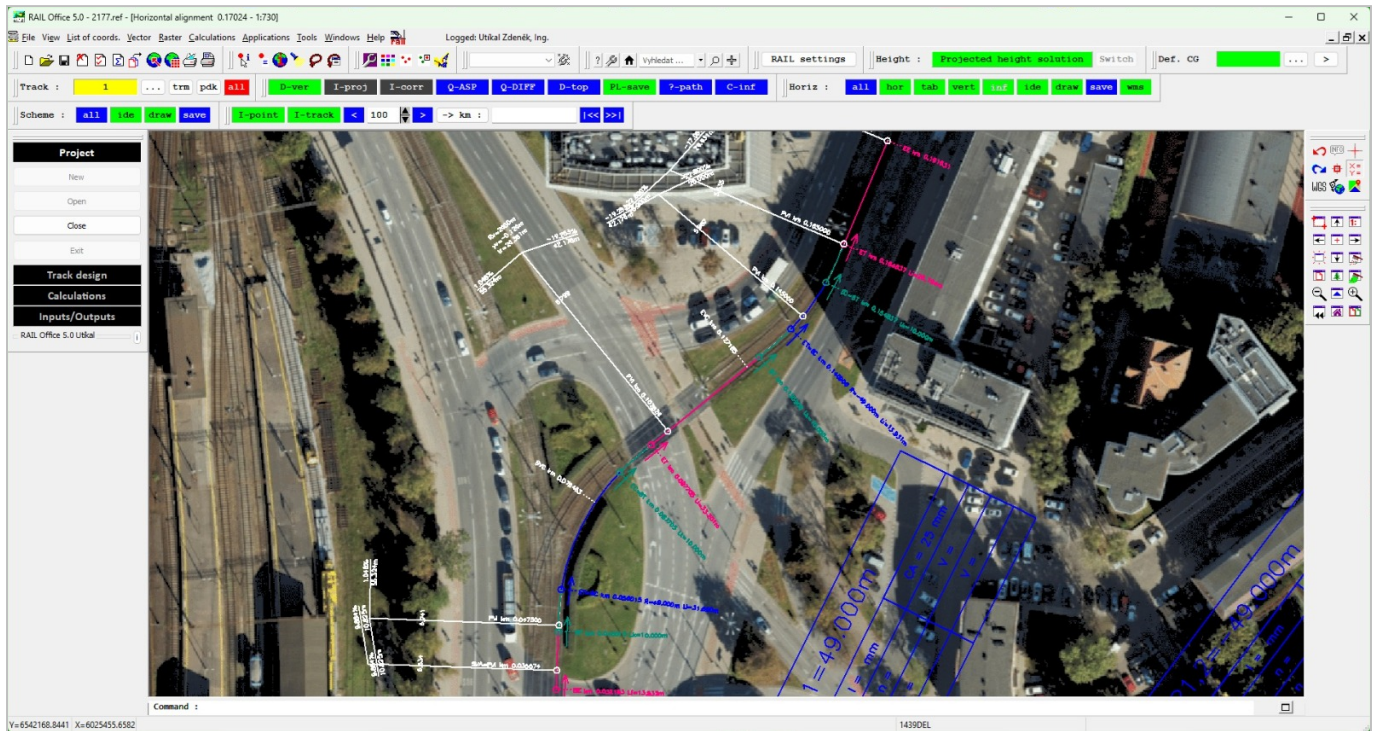


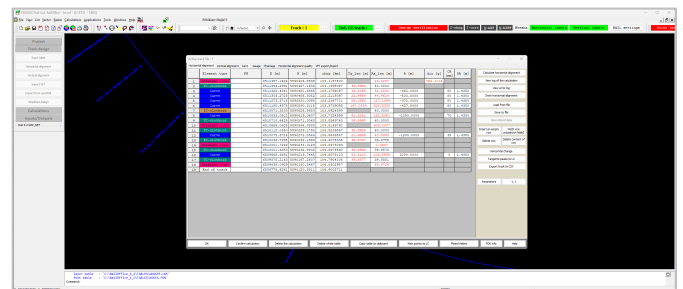
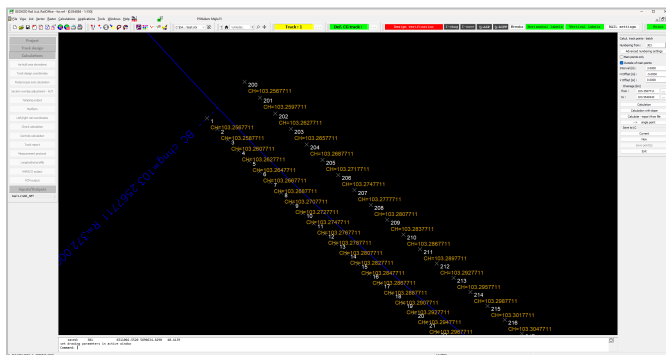


RAILOFFICE

GEOKOD Rail office software for processing track superstructure survey data – from field measurements to tamping machine inputs, all in one program.

RAILOFFICE

RailOffice is GEOKOD Rail's office software for processing track superstructure survey data – from field measurements to tamping machine inputs, all in one program. It builds on field measurements from RailSURV trolleys (TrackMaster TM3000, GG-05 VBP, and TrackMaster CFG) as well as classic geodetic data from a total station or GNSS receiver. RailOffice calculates the actual (as-built) track position, compares it with the design, and prepares both geodetic and machine outputs for construction and maintenance.

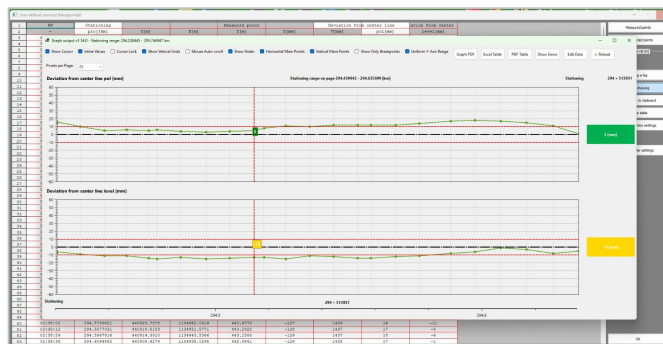
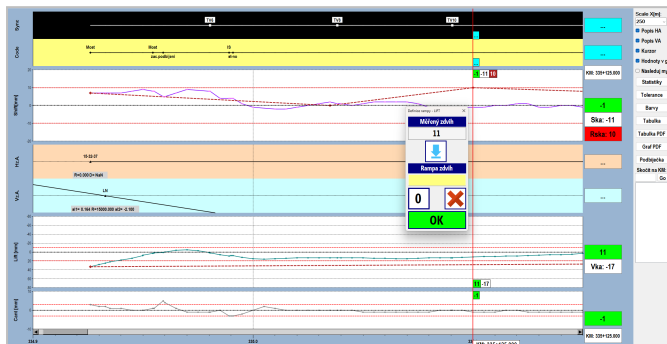


MAIN FEATURES

- + Processes data from GEOKOD's own RailSURV measuring trolleys as well as from a total station or GNSS receiver – full control over the measured data
- + Three ways to input the track design – manual entry, semi-automatically from a drawing (DGN/DWG), or automatically from LandXML
- + Displays background drawings in DGN, DWG and DXF formats, with support for WMS map services
- + Definition of multiple tracks with clear display – an entire railway station can be defined, with easy switching between tracks
- + Graphical and tabular display of measured and calculated values, user-configurable, with the option to transfer templates between users
- + Input data validation – detects faulty design data when importing or defining the track axis
- + Unique batch-calculation function for staking-out points on the track axis – definable interval, vertical and horizontal offsets, and platform-edge calculation
- + Fully tailored to surveyors – with the track axis design in hand, a surveyor can calculate everything needed without support from the designer
- + Supports data formats of leading tamping machine manufacturers – Plasser & Theurer (WinALC/DosALC), Matisa, Framofer, Harsco
- + Exports results and charts to CSV, Excel, PDF and printed reports
- + Developed in the Czech Republic and the EU

SYSTEM REQUIREMENTS

- Operating system:** Windows 10/11
- Licensing:** Always a full-featured license with all functions (no rental) – device-locked license, USB hardlock license, or network (online) license
- Recommended hardware:** Standard PC, monitor resolution min. 1920×1080 (Full HD) or higher, two monitors recommended, min. 16 GB RAM



APPLICATION

- + Processing field survey data and calculating the actual (as-built) track position
- + Importing and managing the track design (project)
- + Comparing the measured condition with the design, generating deviation reports and charts
- + Geodetic calculations on track projects (normals, rail belts, point coordinates by chainage)
- + Calculation of staking-out elements and chord-measurement protocols
- + Calculating track shifts and lifts for automatic tamping machines (ASP)
- + Batch processing of multiple measured sections at once
- + Project management and archiving

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