



MANAGE Information

TUnIS Navigation Office provides the site office with real-time navigation and ring data from one or more TBMs. Thus, the navigation system can be directly monitored from the site office. The user may immediately analyse and document current as well as historical data.

TUnIS Navigation Office

*TUnIS Navigation Office
system overview*

The TUnIS Navigation Office software is installed on the tunnelling machines to continuously indicate their current position and to monitor the ring build.

All persons involved in the project, whether on the machine, in the site office, through web server, or on mobile terminals, may track the tunnel building process in real time.

The installed navigation software saves all data in a local database, which is continuously synchronised with the central database. Thus, it is ensured that the user in the site office has always the most recent data available. This is of vital importance for analysing the navigation and ring data.



TUnIS Navigation Office

TUnIS Navigation Office can be used to access the entire functionality of the navigation system from the site office in real time without compromising the construction process.

Advantages

- Ring sequencing for in-production checks on all segments
- Continuous observation of the construction progress
- Manage multiple TBMs and alignments

Communication with the TUnIS navigation systems, the site network, and with the upload to the web server is managed by the VMT office computer. Multiple TUnIS instances can be running on the network at the same time. Read and edit privileges are specified in the user administration.

Features

- Provides navigation system monitoring from the site office
- Real-time visualization
- Analysis of navigation and ring data
- Displays navigation data on mobile terminals
- Provides data synchronization in the site office
- Documentation / records

If faults occur, online access can also be used to directly access the messages from the TUnIS navigation system. Even if the TUnIS Navigation Office software is closed, an error message appears on the monitor in the case of a fault.

Software modules

- Navigation visualization
- Map
- Alignment
- Ring design
- User management
- Records
- Ring management
- Track chart
- Navigation history
- Export



„Map“ module