

TUnIS.mobile app

This app has been developed for smartphones and tablets for operating the TUnIS navigation systems away from the control cabin.

With the TUnIS.mobile app, the user can perform all important routine work on the total station, without having to repeatedly return to the control cabin. This means significant time saving, reduction of time pressure, less disturbance in the control cabin and increased work safety.

The app is simple and **user-friendly** thanks to the familiar TUnIS design.



Features

- ▣ Available for iOS and Android
- ▣ Can be used with all total station related TUnIS navigation systems
- ▣ Intuitive operation based on the familiar TUnIS design
- ▣ Extended access protection with on-off registration of the mobile end device to the navigation system via easy QR code scan
- ▣ Access to multiple TBMs available
- ▣ Currently unwanted connections to the TUnIS.mobile app can be cut off by the user at the PC at any time
- ▣ Qualified support from VMT when required
- ▣ Automatic data archiving: All data recorded are saved in the TUnIS database

These TUnIS assistants and remote functions can be called on the app and run through the full scope of functions:

- ▣ TBM position (view)
- ▣ Start/Stop navigation
- ▣ Orientation
- ▣ Direction check
- ▣ Joystick function
- ▣ Relocate total station
- ▣ System status
- ▣ New prism measurement
- ▣ Measuring segment reference prism
- ▣ Free stationing
- ▣ Coordinates manager
- ▣ Ring sequencing



Benefits

Faster work routine

The relocation of the total station can be effected in half the time.

→ The time pressure to fix everything during the ring build period – no matter which obstacles there are – will therefore be reduced considerably.

Less crowd in the control cabin

No more need to access the control cabin (as frequently) to do your job on the navigation PC.

→ Registration as well as most of the TUnIS routine for relocating the total station can be run through by the app. As with operation from a PC, all data recorded are automatically saved in the TUnIS database.

Increased safety

Considerably less climbing on ladders and on the machine.

→ Half of those risky work operations can now be done comfortably with the mobile device – on the ground directly at the total station.



TUnIS.mobile app

Taking the strain out of tunnel survey OPS

It has long been understood that surveying in a tunnelling operation often requires the surveyor to be one of the fittest operators on site: having to move regularly between the control cabin, the total station and other survey points, as well as climbing up ladders or other fixtures to install and adjust the equipment on the bracket. To complete the survey task at hand, a lot of physical personal movement is involved. On the other hand the surveyor is often seen as the one person on site that interrupts the flow of production work as they

work within the control cabin disturbing the machine operator and shift manager.

Well no more!

VMT is pleased to announce the launch of its latest innovation: the TUnIS.mobile app - developed for operating the TUnIS navigation systems in large diameter tunnelling. With increasing use of the TUnIS wireless communication it is now possible with just the mobile phone or tablet to execute a good part of the standard TUnIS operations from safe locations in the TUnIS wifi range.



“The app offers TCA relocation, measurement of the segment reference prism, direction check, orientation and joystick function all of which are most useful.”

Thomas Händler-Stabauer, Surveyor at TRIGONOS ZT GmbH

Upgrade Kit

Additional hardware kit to support TUnIS.mobile app on the TBM if no LDT.connect central box is installed.

- Including all necessary software and hardware components to successfully use the app
- App available in Google Play Store (Android) and in Apple App Store (iOS)



VMT Access point



Smartphone

Hardware Components

- Access point with antennas
- Robust smartphone (suitable for use in tunnel)
- Cable set

We will be pleased to provide you with further information:



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