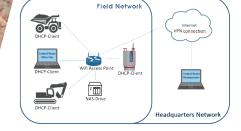
RIEGL Monitoring Apps

Real Time Analysis & Processing of VZ-i Data

Monitoring and Remote Operation are the keywords of our time. The *RIEGL* VZ-i Series terrestrial laser scanners are ready to meet these demanding challenges.

RIEGL presents four easy-to-use and intuitive monitoring apps that will support users in their daily work, especially in critical situations. Based on reliable real-time data, necessary decisions can be made promptly on a sound basis.

RIEGL's 3D terrestrial laser scanners can smoothly be integrated in any network infrastructure by using LAN, Wi-Fi, and LTE-interfaces, which enables fully remote operation of the scanners. With the installation of customized apps for automatic data acquisition and data processing, the user gets automatic real-time results without any user interaction.





RIEGL Design Compare App

Monitoring

2023-06-

Schedule

Remote

1-



Scan this QR-Code to watch the Monitoring App Video RIEGL

Slope Angle App

www.riegl.com

25.06.2009

Users receive final results of the apps via the web browser on any device, which is connected to the network, in which the scanner is operated. No software installation or processing of the data is necessary. Everything is processed automatically within the app on the scanner.



RIEGL Monitoring App

Change detection is calculated to a given reference scan. This allows to detect movements of e.g., landslides long before this is visible to the human eye. The interpretation of the movements through a time series of scans allows the prediction of a possible slope failure. It ensures to have enough time to evacuate people and to remove machinery from the endangered areas.



NEW RIEGL Monitor + App

It is developed based on customer response on the Monitoring App. The Monitor+ App allows interrupting the monitoring process, removal of the scanner, and later proceeding of monitoring. Besides Permanent Monitoring it allows Periodic and even Sporadic Monitoring. Prism/target monitoring as known from robotic total station is also implemented. The user can define different areas of interest with different data acquisition schedules. The configuration of the Monitor+ App is assisted by a configuration wizard, available within RiSCAN PRO.



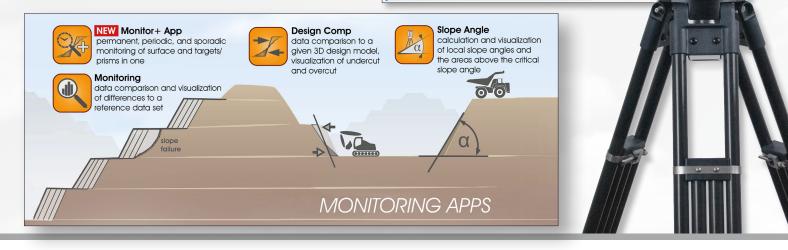
RIEGL Design Compare App

Overcut and undercut are calculated based on a given design model. While undercut is a waste of money, overcut can involve major safety risks. With the use of this app, the operation of heavy equipment such as digging machines can be optimized to streamline the mining process.



RIEGL Slope Angle App

Slope angles are calculated automatically from scan data. Critical slope angles can be highlighted and are provided to the user, e.g., the operator of loaders. The real-time information helps them to keep the slope angles of stockpiles and dump areas within the defined limits.



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