



MonitorIQ® Enterprise

Designed and developed by geotechnical engineers for geotechnical engineers, MonitorIQ® Enterprise is the evolution of our MonitorIQ® data aggregation platform.

MonitorIQ® Enterprise is GroundProbe's premier data aggregation and analysis software for geotechnical monitoring, enabling users to gather and visualise all information from on-site sensors for instant analysis.

GroundProbe®

ORICA Monitor

FEATURES AND BENEFITS

Through the centralisation of all monitoring data into one dashboard, users are presented with intuitive side-by-side analysis and charting, for effective identification of trends and decision-making in real-time.

MonitorIQ® Enterprise also includes MonitorIQ® Desktop built-in, making it the industry's most sophisticated and feature-rich platform for geotechnical data analysis.

MONITORIQ® DESKTOP EMBEDDED

With MonitorIQ® Desktop seamlessly integrated, MonitorIQ® Enterprise users have access to its entire suite of safety-critical charting and alarming tools, as well as GroundProbe's three patented visualisations: Plan View, Front View, and DTM View. Users can find ease in conducting enhanced data analysis for all GroundProbe systems without the need to switch between platforms.

ONE DASHBOARD FOR ALL SENSOR TYPES

MonitorIQ® Enterprise allows users to import, view and compare data from an exhaustive range of geotechnical and environmental monitoring sensors deployed across an entire mine site. Regardless of the technology used to capture it, users can interact with all information in the same way, on one screen.

THE ONLY SAFETY-CRITICAL DATA AGGREGATION PLATFORM

All of MonitorIQ® Desktop's safety-critical features and tools have been absorbed into MonitorIQ® Enterprise, without exception, including every feature ever roll-up from every SSR-Viewer® version ever. MonitorIQ® Enterprise is the only data aggregation and analysis platform with complete safety-critical features and tools built-in, including reporting, analysis, charting, and visualisation.

ACCELERATED DECISION-MAKING

MonitorIQ® Enterprise uses advanced technology to standardise data collected into the same format – including units, charts, colour heatmaps and times – for increased ease when analysing data and identifying trends. With the ability to generate automated reports, the reporting process is further streamlined for users, accelerating decision-making, and improving safety.

FLEXIBLE INTEGRATION OF MULTIPLE SENSOR TYPES

MonitorIQ® Enterprise is vendor-independent, allowing

users to import data from GPS, radar, laser, satellite InSAR, total stations, piezometers, and many more through software modules corresponding with different sensor types.

UNIFY ALL ON-SITE SYSTEMS THROUGH LIVE MAP

Unify and understand the status of all available sensors in an area with the Live Map, which integrates different types of sensor data and visualises it on an intuitive plan view image of the site. Live Map is highly interactive; pan and zoom to points of interest, show, or hide an area, or click on a sensor marker to take further action. It showcases the latest sensor data, and the visualization of data types is completely customisable.

ADVANCED TAILORED REPORTING

Easily create beautifully presented, customised reports without leaving MonitorIQ® Enterprise. Simply drag and drop maps, graphs, and images to instantly create customised reports and compare data from different sensor types. Once saved, reports are automatically updated to a selectable date range with fully customisable reporting permissions, allowing all project users able to edit reports.

SAVE TIME WITH AUTOMATED REPORTING

After a report template has been set up, it can be automatically run based on a defined time period, automating a task that could otherwise take hours.

CURRENT AND HISTORICAL DATA MERGE

Users can analyse and interact with data at any point along the time scale, regardless of sensor relocation or reset. Through the ability to view historical and current data alongside each other within the dashboard, users can better understand the behavioural trends of the site over time.

INTUITIVE ALARMING FEATURES

MonitorIQ® Enterprise enables its users to set standardised alarm triggers across multiple sensor types, across multiple vendors, through the embedded MonitorIQ® Desktop. This keeps its user informed on active alarms, created events, and triggered alarms, and assists its users by notifying which alarms need further investigation. All alarms configured in MonitorIQ® Enterprise for GroundProbe systems (ie. SSR-XT, RGR-Velox, GMS) will also be active, visible and actionable within the Alarm Centre application.

MULTIPLE USER FLEXIBILITY

Able to be run simultaneously by multiple users both on and off-site, changes are made in real-time and reflected for all users, optimising the collaboration and decision-making process.