MonitorIQ™

MonitorIQ is a data aggregation platform for geotechnical monitoring that gathers and visualises information from up to 121 different real-time sensors on the one dashboard.

Through its intuitive user interface and powerful analysis tools, MonitorIQ revolutionises the way users view, compare and contrast their data in real-time.

GroundProbe®

ORICA Monitor

FEATURES AND BENEFITS

SSR-VIEWER INTEGRATED

MonitorIQ is fully embedded with GroundProbe's patented, market-leading analysis software, SSR-Viewer, giving users access to its entire suite of charting and alarming tools.

Through SSR-Viewer, MonitorIQ users will also be able to view all GroundProbe systems' data in three patented visualisations; Plan View, Front View, and DTM View. The software integration enables users to conduct enhanced analysis for all GroundProbe systems without the need to switch between platforms.
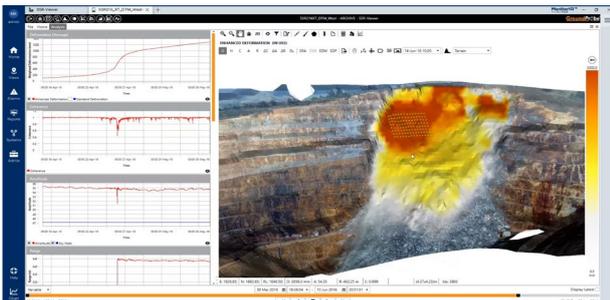
ONE DASHBOARD FOR ALL SENSOR TYPES

The platform allows users to import, view and compare data from a range of geotechnical monitoring sensors deployed across an entire mine site.

Users can interact with all information on the one screen, regardless of the technology used to capture it. This allows users to spend less time aggregating data and more time analysing it.

STANDARDISED DATA FOR ACCELERATED DECISION-MAKING

MonitorIQ unifies data from different sensors into the same format – including units, charts, heatmaps and times – for easier analysis and understanding.

By standardising all collected data into one uniform format users have access to an intuitive mapping visualisation depicting all data.

FLEXIBLE INTEGRATION OF MULTIPLE SENSOR TYPES

MonitorIQ is vendor independent through software modules corresponding with different sensor types.

Users can import data from GPS, radar, laser, satellite InSAR, total stations, piezometers, and many more, as long as they own the required module for the particular sensor.

MULTI-USER FLEXIBILITY

MonitorIQ optimises collaboration and decision-making. Multiple users can access the platform at the same time with changes updated in real-time and reflected for all.

CUSTOMISABLE AND AUTOMATED REPORTING

Simply drag and drop maps, graphs and images on-the-fly to instantly create customised reports and compare data from different sensor types.

Alternatively, report templates can be generated and set-up to automatically run for a defined time period, automating a task that could otherwise take hours and further streamlining the reporting process.

CURRENT AND HISTORICAL DATA

Users can better understand the long-term trends of the mine site over time with the ability to view current and historical archived data alongside each other within the dashboard.

MonitorIQ offers a retrospective view of current and historical data so users can analyse and interact with data at any point along the time scale.

INTUITIVE ALARMING

MonitorIQ enables users to set standardised alarm triggers across multiple sensor types to simplify and standardise alarming.

It also keeps users informed on active alarms, created events and triggered alarms, as well as notifying which alarms require further investigation.