

GROUND-BREAKING NEWS
THE MOST SOPHISTICATED
DATA AGGREGATION SOFTWARE,
MONITORIQ





We are passionate about making a difference and we work hard to ensure we continuously offer solutions that provide high value information to help our customers better manage risk, increase productivity and ensure maximum safety.

This year saw us launch the industry's latest data aggregation software, MonitorIQ. We leaned on our 18 years of experience in the mining industry to bring our customers the most sophisticated platform to date.

It provides a myriad of data collection, analysis and reporting features, and is capable of importing data from over 120 different sensors from a range of vendors.

In an industry first, it comes with SSR-Viewer completely embedded. Full SSR-Viewer functionality is accessible within MonitorIQ, eliminating the need to switch between the platforms.

Where MonitorIQ will go in the future will change the way the mining sector monitors hazardous areas and how its users make key decisions vital to the mine.

Brian Gillespie

Chief Executive Officer

Designed and developed by GroundProbe, MonitorIQ is the first product launched by our new business stream Orica Monitor, and the latest to join Orica's suite of digital technology solutions.

Orica Monitor brings together GroundProbe and Nitro Consult, a leading environmental monitoring practice, under one Orica business stream dedicated to providing monitoring solutions to mining and civil customers globally.



Software that Unifies All Sensor Data

PRODUCT NEWS

MonitorIQ brings all sensor data together in one place, revolutionising how our customers compare, contrast and view data in real-time.

Designed to manage all geotechnical monitoring activities on a mine site, it ensures users spend less time gathering data and more time analysing it.

MonitorIQ aggregates data from more than 120 sensor types across multiple sites. Collected data is standardised into one simple-to-understand, uniform format streamlining

previously time-consuming processes and enabling the discovery of linkages and trends.

This also allows different data sets to be dragged and dropped from the exhaustive sensor list onto a single graph.

It is vendor independent, able to import data from GroundProbe and Nitro Consult sensors, competitor radars and lasers, as well as GPS, satellite InSAR, total stations, piezometers, and many more.

All measurements are automatically processed and stored in the MonitorIQ database.



Powered by GroundProbe

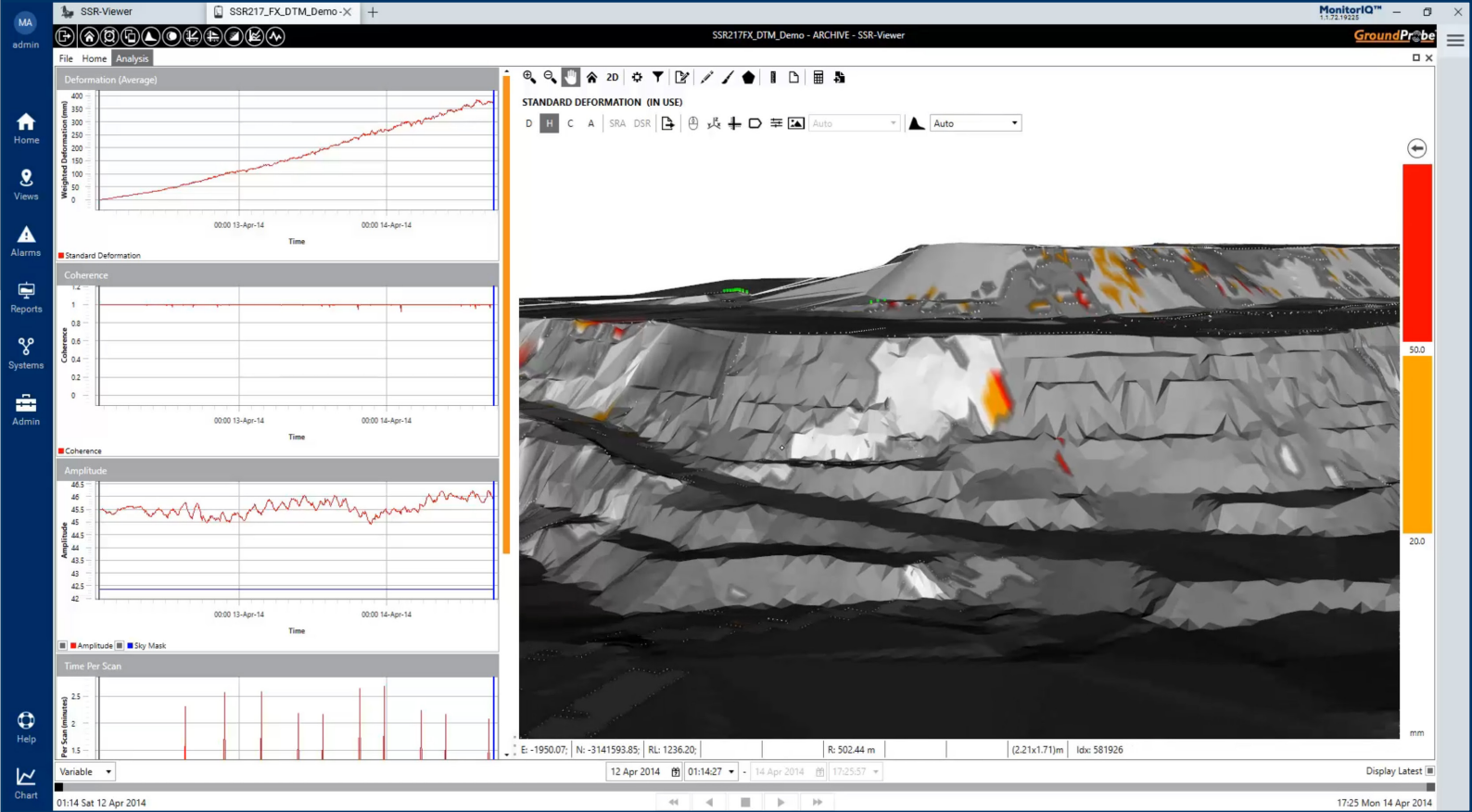
INNOVATION

MonitorIQ is powered by a large assembled team of in-house software developers dedicated to rolling out software updates and new features. Working solely on MonitorIQ, the team are able to add new features and enhance existing ones quicker than ever before.

Users can benefit from the support structure already in place, such as our 24/7 customer support staffed by

qualified, skilled technicians. In addition, our world-class Geotechnical Support Services are now able to remotely monitor and report on more than just radar data.

Existing customers will receive an upgrade to MonitorIQ, with modules for GroundProbe systems built in. Further modules for varying sensor types, existing or new, can then be added for a custom-built solution.



SSR-Viewer, Seamlessly Integrated

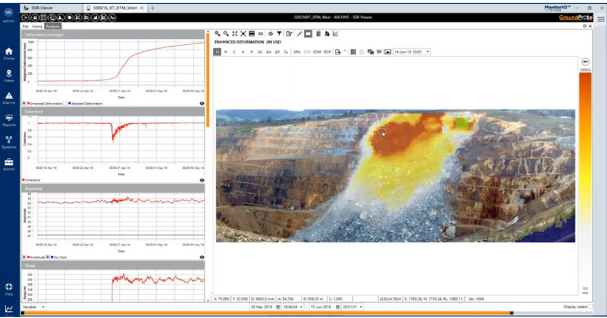
PRODUCTS NEWS

For GroundProbe customers, MonitorIQ is especially powerful, with features and tools tailored to meet the needs of our customers.

GroundProbe's high-precision SSR-Viewer software, that protects miners in the pit and underground every day, is fully embedded into MonitorIQ.

Without leaving the software, users have direct access to its entire suite of safety-critical analysis, charting and alarming tools via the SSR-Viewer tab.

The integration sees all the features and benefits of SSR-Viewer that the global geotechnical community have become accustomed to – such as its three distinct data visualisation techniques, data and image co-registration, stackable alarming and collapse forecasting – available within MonitorIQ.



All new features and updates made to SSR-Viewer with each new release will be simultaneously available within MonitorIQ.

It saves time and simplifies workflow by eliminating the need to switch between platforms.



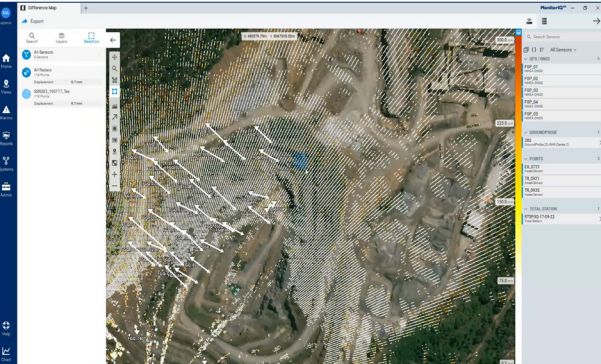
Intuitive Workflow for Optimised Productivity

PRODUCT NEWS

The launch of MonitorIQ signals an exciting step forward in bettering the efficiency and productivity of geotechnical engineers across the globe.

STANDARDISATION FOR ACCELERATED DECISION-MAKING

MonitorIQ standardises all data collected into one uniform format - including units, charts, colour heatmaps and times – for ease of analysing information. New trends and causes can be found as different data types are brought together in a simple-to-understand visualisation. It streamlines previously time-consuming processes for accelerated decision-making.



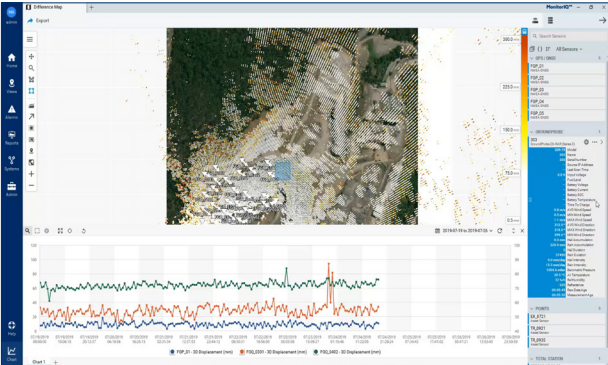
MULTIPLE USER FLEXIBILITY

Multiple users, both on and off site, can simultaneously run MonitorIQ with changes updated in real-time and reflected for all users. Data can be accessed locally and remotely on PC, tablet or other internet connected devices.

SIDE-BY-SIDE ANALYSIS

Users can drag and drop data sets from any sensor or system onto the timescale for intuitive side-by-side analysis and charting.

Historical and current data can be viewed alongside each other within the MonitorIQ dashboard, enabling a better understanding of behavioural trends over time.



INTUITIVE ALARMING FEATURES

MonitorIQ includes intuitive tools for setting, triggering and responding to alarms.

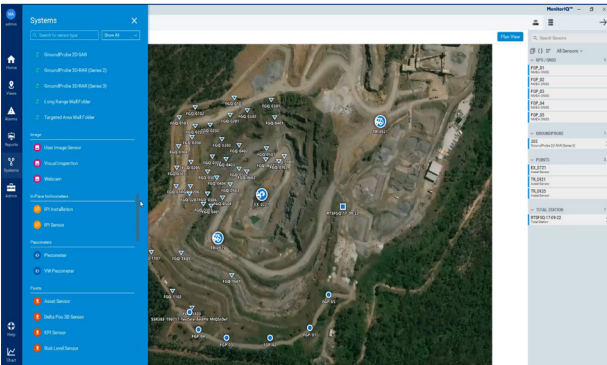
The alarming component can be used to define thresholds for any data type from any sensor or group of sensors.

When a sensor reaches a preset alarm condition, users can be automatically notified of the alarm event via email, SMS, external alarm (lights/sirens), external executables, and Wenco events.

ONE DASHBOARD FOR ALL SENSOR TYPES

MonitorIQ's mapping engine supports many different background data sources and overlays and provides users with a variety of controls that can be used to directly interact with the map.

All sensors that are available can be displayed on the live map, together with radar data, for fast analysis of standardised data.

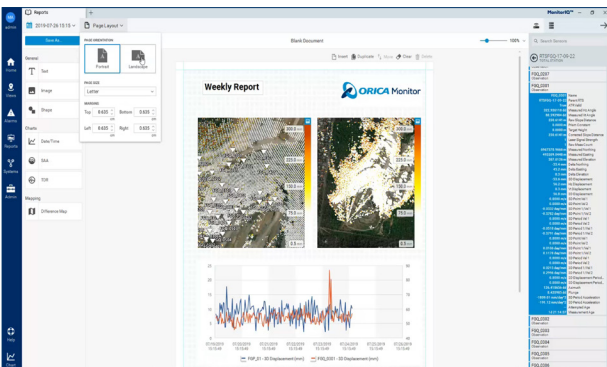


SAVE TIME WITH CUSTOMISED REPORTING

MonitorIQ lightens the workload of geotechnical engineers with powerful reporting.

Maps, graphs and images are dragged and dropped to instantly create reports.

A custom report can be set-up once, yet re-run again and again based on a defined time period, automating a task that could otherwise take hours.



Tailored to Customer Needs

INNOVATION

Customers sit at the heart of the decisions we make as an organisation.

GroundProbe believes that involving customers in the product development process, as early as possible, is the key to a successful new product.

The product development team held direct consultations with customers to discover the common issues surrounding data aggregation software and gain a deeper understanding of their needs as users.

The collaboration validated useful features and essential functionalities, and dictated the product development roadmap.

“Customers are our secret weapon,” said James Usherwood, GroundProbe’s Digital Product Development Manager.

“Involving them in our product development means we work on things that they value and that will make their lives easier.”

The resultant MonitorIQ is packed with the latest technology and offers performance and capabilities in tune with industry needs.

Greater Support from Industry Experts

INNOVATION

The release of MonitorIQ empowers our global support network, Geotechnical Support Services (GSS), to offer broader and more advanced services.

GroundProbe's GSS is one of the largest assembled teams of geotechnical professionals in the world.

Crewed by over 45 highly experienced, fully qualified Geotechnical Engineers, GSS covers a range of leading services including: report generation (GSS-Reporting); remote monitoring of mine sites, anywhere in the world (GSS-Remote); full time, on-site geotechnical services (GSS-Local); and on-site or remote training (GSS-Training).

The arrival of MonitorIQ sees the network further expand their expertise. They can now view, monitor and report on sensors beyond GroundProbe radars and lasers.

"MonitorIQ demonstrates the full value of data acquisition," said Peter Saunders, GroundProbe's Manager – Geotechnical.

"Data from every sensor is presented in a standardised, uniform way, making analysis and correlation simpler but also more insightful."

"Our team can now draw on more insights, providing even more value to our customers," he said.

GSS now operates from two dedicated monitoring centres. Monitoring live slope stability data and reacting to alarms, the high-tech centres connect remote sites with industry experts in three languages.



GroundProbe Grows in Brazil

INNOVATION

GroundProbe has officially opened a new office located in Belo Horizonte, the mining capital of Brazil.

The new location includes both a workshop and office complex to help support GroundProbe's rapid growth in the region.

"Our new office will help us better support our customers in the region," said Brian Gillespie, GroundProbe's Chief Executive Officer.



"We've witnessed a boom in Brazil for continuous, real-time monitoring of tailings dams, with a huge increase in demand for both our systems and our remote, 24/7 geotechnical expertise."

"The investment in people and the office in Brazil represents our level of commitment to the region and to the customers we serve within it," he said.

An event was held in celebration of the new office opening and to thank GroundProbe customers for their continued support.

GroundProbe Tops Most Innovative Companies List

INNOVATION

GroundProbe has once again been recognised as one of the most innovative companies in Australia and New Zealand, taking out the number one spot on the Agriculture, Mining and Utilities industry list of the Australian Financial Review's (AFR) Most Innovative Companies for 2019.

This comes off the back of last year topping the AFR's Most Innovative Company list for 2018, out of more than 1,000 entrants.

Previously ranked as a list of Australia and New Zealand's top 100 most innovative companies, this year the format was

adjusted, comprising 10 separate industry lists, with entrants ranked directly against their peers.

GroundProbe also received two special awards for 'Best Innovation' for the SSR-Omni and 'Best Innovation Program' in the sector.

The SSR-Omni is the world's leading Slope Stability Radar technology, and GroundProbe was awarded for this innovation.

In 40 seconds, it scans 360 degrees, taking 37 million measurements in an 11.2km diameter, with each measurement showing movement of rock and ground with 0.1mm precision.



A panel of industry experts, together with leading innovation consultancy Inventium, rated the submissions based on the uniqueness of the idea, how well the idea addresses the problem it aims to solve, evidence of the positive impact the idea has made, and the innovation culture of the company.

GroundProbe CEO Brian Gillespie said it is an honour to once again be ranked so highly in an award list that directly benchmarks and ranks the innovation efforts of companies.

"Innovation is the cornerstone of what we do at GroundProbe, so to have been ranked the Most Innovative Company in 2018, and now the Most Innovative Company in 2019 across the agriculture, mining and utilities industry is testament to our commitment to remaining on the leading edge of technology within our market," said Mr Gillespie.

"With our head office located in Brisbane – the innovation capital of the Mining, Equipment, Technology and Services

(METS) sector in Australia – we actively drive product innovation through constant two-way dialogue and feedback from our mining customer base as well as through our close relationships with university and research partners."

The success of GroundProbe's business and its continual year-on year growth is built on a culture of innovation that permeates every level of the company.

"Measuring innovation as a key performance indicator for our staff is a prime example of how we prioritise innovation across our business, every day," said Mr Gillespie.



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