

OUR TACTICAL, HIGHLY MOBILE SOLUTION, SSR-AGILIS





Safety is at the heart of what we do, which is why we continue to invest significant time and resources in identifying, defining and harnessing the technologies that will better protect people and communities.

We make sure we are always well-equipped to meet the needs of any site-specific classification, being the only company in the world that offers all Slope Stability Radar (SSR) technologies to suit the varying and unique needs of our customers.

The SSR-Agilis is a proud extension of our comprehensive product offering, further strengthening this position. It's a tactical solution, designed to protect people and equipment working in active areas.

Tested and proven, systems are already in-pit and in operation, helping our customers continue to work safely and efficiently.

Brian Gillespie

Chief Executive Officer



Extending our Fleet of Slope Stability Radars

PRODUCT NEWS

The industry's most trusted technology, fully mobile and completely independent.

The SSR-Agilis is the latest addition to our fleet of innovative monitoring solutions. It's a rapid-response radar protecting people and equipment in operational areas of a mine site.

A 3D Real Aperture Radar, it's engineered to operate as an independent, standalone vehicle system.

It's robust and reliable, ready to be deployed as needed.

The system is ideal for tactical, critical monitoring with a multiplicity of alarming and alert capabilities allowing for safe work in operational areas.

As with all GroundProbe systems, the SSR-Agilis is fully compatible with our patented software, SSR-Viewer, and integrates seamlessly into data aggregation software, MonitorIQ.

Built for Tactical Monitoring

PRODUCT NEWS

When monitoring in active areas, a rapid-response, mobile solution is required.

The SSR-Agilis is a completely mobile solution. It's drivable between locations and engineered for quick and easy deployment, allowing users to easily move from one active area to another.

The system is fitted with flexible scanning capabilities, operating to 270° in azimuth and 100° in elevation, in coordination with an extensive range of 1,400m. With this comes the ability to deploy the radar in safe, easy to access areas, even if the area of concern isn't.

Flexible and fast, the SSR-Agilis allows operational crews to continue to work, without interruption or incident.



Improving Operational Safety

PRODUCTS NEWS

A complete safety-critical system for continued operations.

The SSR-Agilis is an independent alarming and alert system. Real-time data capture, processing and alarming all occurs at the radar.

Data collected is available for instant visualisation on the on-board interface via SSR-Viewer. Alarms can be set and received at the system, and are processed on every scan, providing increased autonomy and ultimate safety. Users receive real-time alerts for fast response times, crucial to safety-critical monitoring.

They are transmitted via a multiplicity of channels and received on the person, locally at the radar and remotely.

PERSONAL ALERTS

The system comes equipped with Portable Personal Alert (PAL) devices for the onsite supervisor and crew members. Crew PALs are simple paging devices that will flash, beep and vibrate when an alarm triggers.

Supervisor PALs also include small rolling screen which displays a message to indicate the alert type.



LOCAL ALERTS

Users will be visually alerted by the lightbar mounted atop the radar. It's custom-designed with three colour configurations – red, blue and green. Each colour represents a different warning – alarm, diagnostic alert, or no urgent alert.

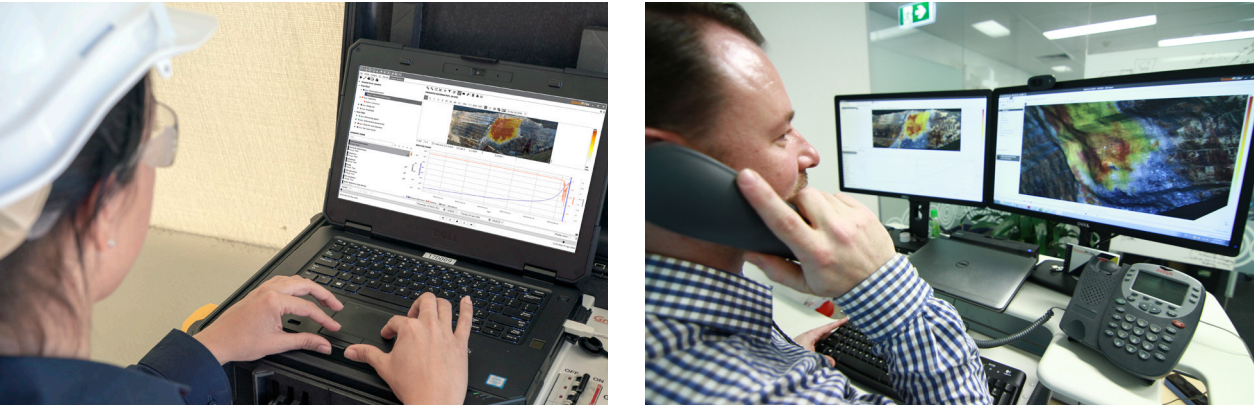


In the event of an alarm being triggered, the siren will accompany the red light and emit a 120db sound that is audible up to 1,500m away. Triggered events are visualised in SSR-Viewer, on the on-board user interface.



REMOTE ALERTS

Activated alarms will also prompt in SSR-Viewer on geotech computers. Moreover, users will receive alerts via email and SMS notifications.



All-Inclusive, All-Powerful

PRODUCT NEWS

A standalone monitoring system that is self-functioning and powerfully precise.

The SSR-Agilis is technologically advanced, requiring no Wi-Fi, site communications or mine power to conduct tactical, safety-critical monitoring. Its on-board power supply can be easily recharged overnight to provide up to 24 hours of backup power with eight batteries. Designed to accommodate differing site needs, it can also be integrated into the mine site network.

The system exploits GroundProbe's cutting-edge SSR platform and long history of reliability and proven mechanical knowhow. It's tough and robust, engineered to operate in the harshest environments whilst continuing to deliver reliable data.

The 3D Real Aperture Radar - the industry's most trusted technology - uses its fine pencil beam to scan in a raster pattern to completely cover the scan area. It provides full three-dimensional imaging to pick up the smallest rock movement.



GroundProbe Wins the 2019 Institution of Engineering Technology Innovation Award for Technology Transfer

INNOVATION

GroundProbe is celebrating after taking out the Technology Transfer Award at the 2019 Institution of Engineering Technology (IET) Innovation Awards in London.

The event acknowledges and celebrates pioneering innovations across the breadth of science, engineering and technology. The Technology Transfer Award recognises “perception-shifting innovations that demonstrate effective use of existing technology from one sector to another in an alternative way.”

GroundProbe was recognised for its game-changing GML (Geotech Monitoring LiDAR) technology.

Successfully proven in underground mines as a geotechnical monitoring tool, the GML was adapted for civil projects where it reduces the environmental impact and cost of tunnelling through reduced shotcrete use.

GroundProbe CEO Brian Gillespie said it was invaluable for Australian-based GroundProbe to be recognised on the global stage.

“It is an honour to receive international recognition from the world-renowned IET,” he said.



“I am immensely proud of our technology team, who conceived, designed, developed and commercialised this solution for cross-industry applications, all from our company headquarters in Australia.

“Across the world, GroundProbe technologies and our people that build them are making tunnels, underground and open-cut mines and tailings dams safer and improving the way we work,” Mr Gillespie said.

GroundProbe is a global leader in real-time technologies that help manage risk, ensure safety and increase productivity. The company has grown to become a global innovation powerhouse and the trusted partner of companies around the world.

The GML system is a high-speed computing and LiDAR technology that provides live feedback to aid efficient tunnel construction.

It scans the tunnel or civil project under construction, determining areas of non-compliance for real time

remediation. It can produce 14 million point results in under two minutes, delivering the highest quality data in the fastest time possible.

GroundProbe’s Manager - Product Innovation and Commercial Benny Chen said: “In an industry first, the GML is able to guide construction crews to spray to the desired thickness or design profile on-the-fly in real-time.

“With live, actionable information, the innovation significantly reduces shotcrete usage and rework during construction.”

The GML has been successfully tested in several major tunnel construction projects in Australia and is currently being demonstrated across the Nordics and Asia. It has been proven to reduce shotcrete usage in tunnel projects, translating to significant environmental and cost benefits.

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