

↗ GSL MACHINE ROBOTICS · MONITORING SYSTEM

Continuous ground movement monitoring, sentinel hire basis.

Your monitoring coverage should not depend on whether your hardware is having a good day. The GSL sentinel delivers continuous coverage with configurable thresholds and instant email/SMS alerts – so no one needs to sit and watch a screen.

24/7

CONTINUOUS MONITORING

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PHYSICAL TARGETS REQUIRED

SUB-CM

CHANGE DETECTION, EVERY SCAN

MINUTES

ARRIVAL TO OPERATIONAL

KNOW ABOUT MOVEMENT BEFORE IT BECOMES A PROBLEM

↗ Instant alerting

Configurable thresholds with instant email and SMS alerts. No one watching a screen.

↗ Whole-face visibility

See the whole face without installing a single target.

↗ Sub-centimetre detection

Detect deformation across broad areas, every scan.

↗ Move when priorities change

Trailer-mounted, road-registered, no civil works, no permanent footprint.

↗ No capital commitment

Hire model lowers upfront commitment while preserving coverage continuity.

↗ No single point of failure

GSL maintains a fleet so scheduled servicing does not create a coverage gap.

SUPPORT MODEL

As much or as little support as you need. Fully managed by GSL, or handed to your team. Your call.

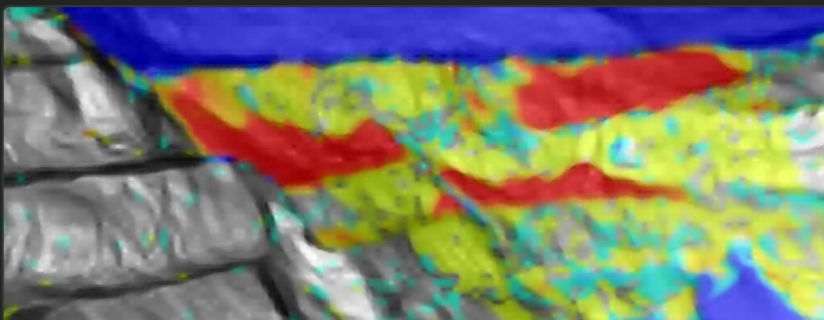
PLATFORM OUTCOME

RIEGL hardware is the scanning benchmark. GSL built the automation layer – scan detection, data pipeline, and alerting – to keep monitoring running unattended around the clock.

RIEGL hardware. GSL automation.
One continuous monitoring outcome.

ROADMAP

New sensor integration and expanded monitoring capability are in active development.



DEVELOPED WITH RIEGL AUSTRALIA

Built by GSL Machine Robotics in collaboration with RIEGL Australia, after our survey teams identified the gap between high-end monitoring capability and the practical realities of deploying it in active mining environments.

