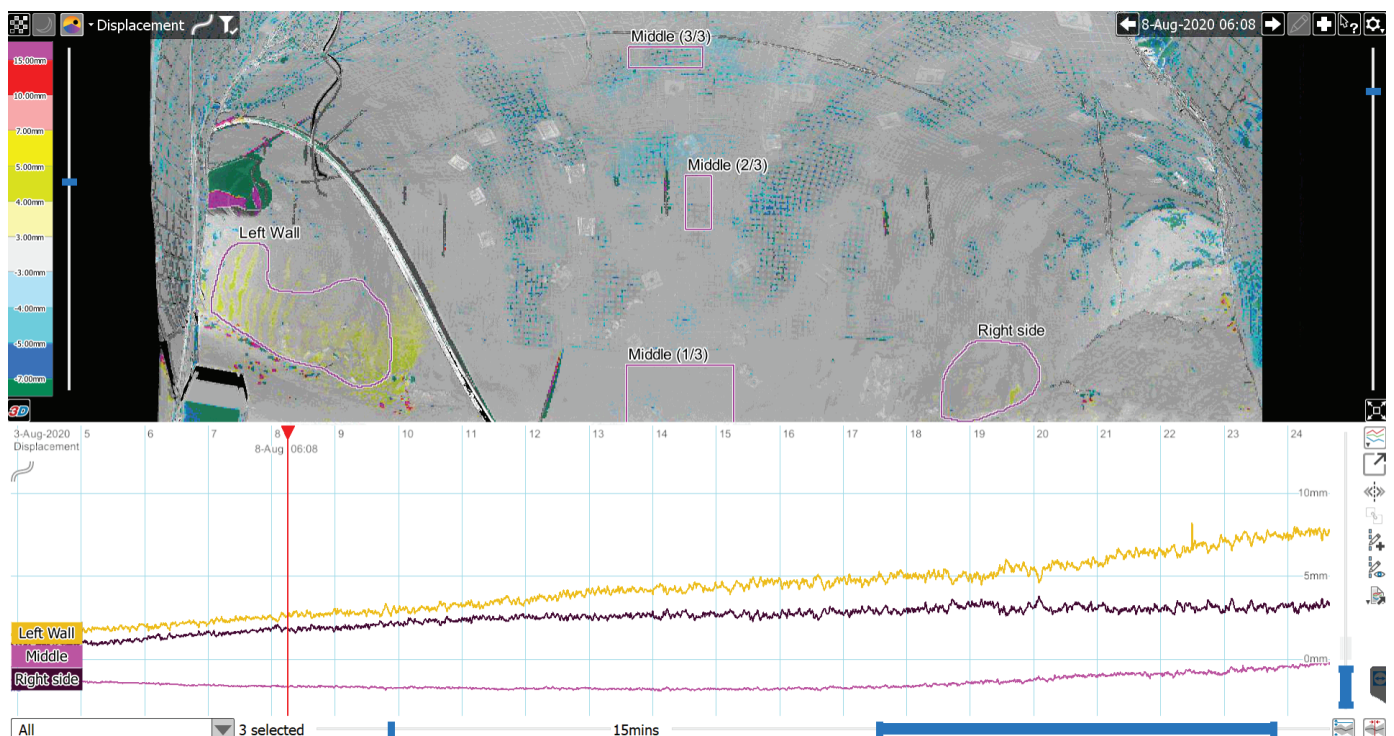


Sentry FMS

Flexible monitoring for surface and underground

Sentry FMS (Flexible Monitoring System) is a versatile monitoring solution for surface and underground operations. A Maptek laser scanner is combined with purpose-built software to accurately monitor, analyse and report on rapid and gradual movements.



Safety

Intuitive fast setup and operation minimises field time.

Accuracy

Sub-millimetre accuracy sustains safe operating conditions.

Automation

Automated real-time continuous or periodic monitoring.

Monitoring surface operations

Sentry FMS is an all-in-one portable solution that can be easily moved to different locations around the pit. Advantages for open cut applications include fast, repeatable deployment, remote operation and no requirement for targets or survey control.

Monitoring underground operations

Convergence and subsidence monitoring are common underground applications. Users can monitor and alarm on any surface movement or instability as well as monitor infrastructure. Monitoring is commonly done around crushers, safety chambers, within development drives and pre- and post-shotcrete application.

Customisable alarms and email notifications deliver instantaneous situational awareness, and provide early warning where remediation or evacuation may be required.

Sentry FMS offers periodic and real-time continuous monitoring for collecting 3D data to guide safety management programs. Sub-millimetre accuracy measurements are delivered alongside powerful 3D visualisation and graphical analysis tools.

Sentry FMS is ideal for quick deployment to analyse potential movement in open pit, underground and tailings dam scenarios. Remote control is vital in hazardous situations where personnel access is prohibited or limited.

Sentry FMS features include:

- AC & DC power input capability
- Weather station connectivity
- Built-in LTE & WiFi connection capability
- Built-in 10" rugged touch screen for site setup and quick visualisation



Maptek hardware is IP65 rated for durability in rugged mining environments.

Reasons to monitor with Maptek Sentry

- Critical risk management that combines 3D measurement and imagery with visualisation and analysis tools
- Scan and monitor several zones concurrently without the need for targets or survey control
- Identify movement that can lead to failures such as landslides, rockfalls or subsidence
- Easily define alerts and send critical notifications directly to geotechnical staff or mine managers for action
- See morphology of changes over time and gain insights to predict movement in other areas before failures occur
- Customise monitoring frequency and thresholds to meet strategic design and operational planning needs