

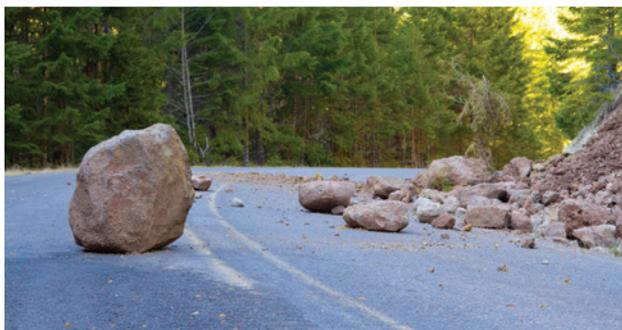
# Complete Solutions for Automated Monitoring

Optech



## **Mine Safety**

Protect employees and equipment with 24/7 ILRIS monitoring, automated by Gexcel OPMMS



## **Landslide Hazard Monitoring**

Use high-precision ILRIS surveys to analyze rock structure, stability and rate of change



## **Production Monitoring**

Calculate volumes and compare to previous surveys with Gexcel OPMMS

Lidar has long been the best collector of precise 3D data, but in industries that need to monitor a changing environment a single survey isn't enough. Multiple surveys must be performed and the results compared against previous scans. Optech makes continuous monitoring and analysis easy and cost-effective by automating the Optech ILRIS Terrestrial Laser Scanner with powerful and flexible Gexcel OPMMS software.

Whether you need to manage landslides, track mine safety hazards or measure production, Optech's monitoring solution surveys your target as frequently as needed, automatically analyzes the results, and even sends automatic alerts if the target changes beyond a user-defined threshold.

# Complete Solutions for Automated Monitoring

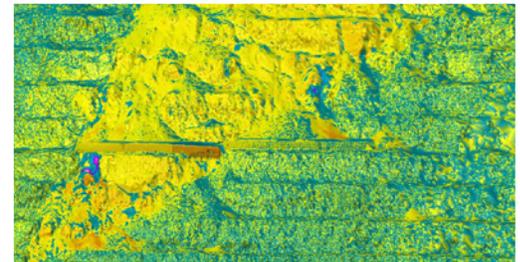


The ideal combination of high-precision survey data and up-to-the-minute reporting.

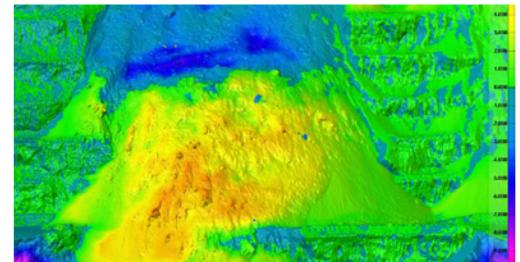


The Optech ILRIS Terrestrial Lidar Scanner is designed with real-world project needs in mind. Applying decades of practical experience, Optech is unmatched in range, accuracy, and surveying speed for maximum data quality when you need it the most.

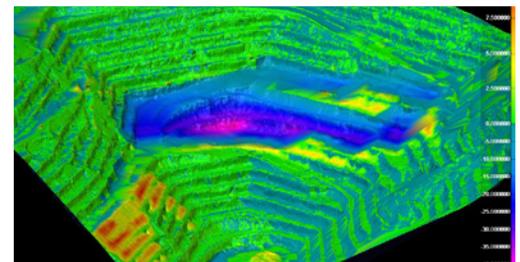
- Extreme range helps survey hard-to-reach targets up to 3000 m (9800 ft.) away
- Industry-leading accuracy and precision detect even the smallest changes
- Survey speeds of up to 10,000 points/second provide dense point clouds and fast turnaround times
- Powerful Gexcel OPMMS automation software lets ILRIS keep watch on your projects 24/7
- Automated user-configurable early warning system alarms
- Selectable timed-based statistical report generation for technical analysis



Mine Safety



Landslide Hazard Monitoring



Production Monitoring

## Open Pit Mine Monitoring System

