

The New Safety Standard for Mining Real-Time Sensor Data Management

Safety is becoming a top priority for the mining industry. With increasing regulatory and operational demands to actively manage risk, mining operators are looking to better monitor and protect their assets *and* improve operational efficiencies.

Current market solutions are costly, complicated to manage and lack real-time visibility and analytics. With the sensemetrics end-to-end solution, we are providing mines with complete sensor data capture, standardization and real-time data visualization and intelligence. Differentiated by a true cloud design and API-driven architecture, the platform reduces the cost and complexity of introducing IoT strategies into mining environments by removing the need for lengthy and costly installation, services and customization.



Reduces Cost

sensemetrics provides a plug-and-play solution that collapses the complexity of data capture, drastically reducing cost.

Reduces Risk

Immediate access to real-time sensor data, analytics, and state-of-the-art visualization tools substantially reduces risk.

Improved Efficiency

Easy to implement market ready solution streamlines workflows, allowing you to do more with less.

Applications



Slope Stability

Better understand complex Slope Stability mechanics with advanced insights from surface, subsurface and remote surveillance sensors. Advanced integration with 3D modeling analysis tools for an even deeper perspective.



Environmental

Increase visibility to developing environmental impacts and reduce risk of harm to employees and the community. Actively monitor key metrics that confirm commitments and obligations of License to Operate.



Tailings Dams

A comprehensive toolkit that improves visibility through a multi-tiered risk management approach. Monitor seepage, deformation, and geostructural integrity from a single interface. Powerful control and alert features save time when every second counts.



Groundwater Management

Optimize yield from well fields through advanced pump system management and intelligence. Integrate data directly with water balance and modeling algorithms, and generate production reports.

Slope Stability ROI

A top mining company relies on the reliability of the sensemetrics platform to keep them operating on a 24/7 basis. A downtime of more than 45 minutes would result in an estimated loss of US \$200,000 per hour in lost production. Since implementing sensemetrics, they have never been shut down.

Tailings Dams ROI

Improved operating costs at the largest tailings storage facility in North America. Our solution took 5 days to implement, saved \$218,000 on upfront engineering time, and increased data availability to real-time, providing a current annual cost reduction of \$143,000.

Groundwater Management ROI

Helped one of the world's largest metals and mining companies realize more than \$300,000 in annual cost savings associated with its dewatering program. Dramatically improved data accuracy, reduced energy usage and increased equipment reliability resulting in savings in excess of \$1,000,000.

Environmental ROI

A 108 square mile mining project improved its economics by implementing the sensemetrics solution within 21 days, reducing the overall cost of the project by 78% and translating into a \$698,000 savings on ~\$180,000 investment.

sensemetrics

www.sensemetrics.com
+1 619.485.0575
750 B Street, Suite 1630
San Diego, CA 92101
info@sensemetrics.com

GKM
Consultants

www.gkmconsultants.com
+1 450.441.5444
2141 Nobel Street, Suite 101
Sainte-Julie (QC) Canada J3E 1Z9
info@gkmconsultants.com