

# Enhancing Efficiency and Safety: Geospatial Information and Geotechnical Monitoring in Mining

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**Key words:** Deformation measurement; Engineering survey; Laser scanning; Mine surveying; Positioning; Risk management

## SUMMARY

Advancements in geospatial and geotechnical monitoring are reshaping the mining industry, addressing critical challenges of efficiency, safety, and risk management. □□ Trimble's latest mining solutions, including updates to Trimble Business Center and Trimble Access Mines, focus on streamlining workflows and improving data integration. New features, such as automated point cloud classification for underground components and enhanced support for vertical shaft design, ensure that geospatial data is accurate and actionable. These innovations enable faster and more reliable field-to-office transitions, critical for optimizing decision-making in dynamic mining environments. □□ The integration of connected systems, secure data handling, and precise information management plays a pivotal role in reducing operational inefficiencies and mitigating risk. By enhancing data accuracy and interoperability, mine operators can maintain real-time oversight, improve collaboration, and ensure compliance with stringent safety standards. □□ In collaboration with GroundProbe, Trimble also offers a comprehensive monitoring portfolio, providing robust geotechnical and geospatial solutions. This partnership emphasizes the importance of holistic data monitoring to proactively address geotechnical risks, ensuring safer and more sustainable mining practices. Together, these innovations highlight the transformative potential of connected and precise geospatial solutions in meeting the evolving demands of modern mining operations. □

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FIG Working Week 2025  
Collaboration, Innovation and Resilience: Championing a Digital Generation  
Brisbane, Australia, 6–10 April 2025