
Slope Monitoring employing 3D Laser Scanning

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RIEGL Laser Measurement Systems is a leading innovator in Laser Scanning technology for monitoring applications. The latest updates in hardware and software development are demonstrated with an emphasis on real-world experience and demonstrated performance. In specific, mining, slope monitoring and snow-studies will be highlighted along with the technology developed to enable these applications.

Examples including results from a soft-rock slope in Germany, a hard rock slope in Australia and repeatability tests to reflector fields and prisms with the RIEGL VZ-4000 will be presented and best practices for data collection and processing are discussed.

Early results from monitoring software developed by RIEGL for automated data acquisition, registration, adjustment and processing will also be shown, including experimental tests and outcomes from a few select projects.