

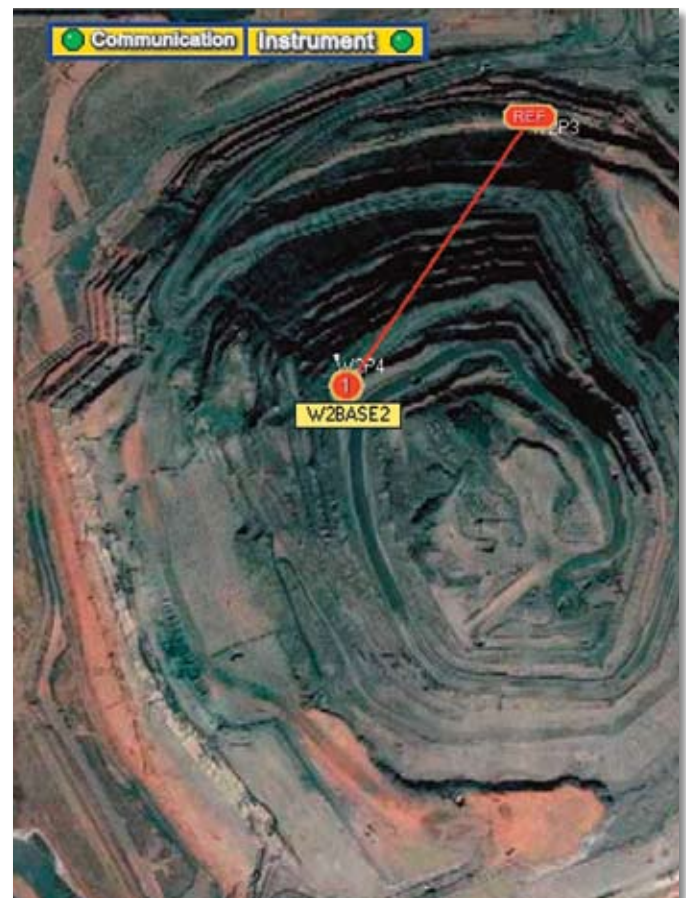
Autoslope Instrument Control Software

Autoslope uses telemetry to transfer data captured in remote field locations back to a central point for real time processing and analysis.

The gathering of stability data by manual means is tedious, time consuming and inefficient. Autoslope will eliminate and reduce these effects significantly, using various forms of telemetry such as conventional radio modems and wireless LAN. Autoslope can control as many as 6 remote electronic total stations returning data back to a nominated location. Using other features, Autoslope can activate alerts and send messages to notify professional staff of potential problems. Coupled with Quikslope, Autoslope offers a complete solution to many stability monitoring applications.

OVERVIEW

- + Use of single or multiple instruments using the scheduling function
- + Continuous measurement of a group of prisms
- + Scheduled measurement periods for prisms or prism groups
- + Alarming notification features, which include e-mail, SMS cell phone messaging and audible tone transmission over local mine communications channels
- + Visual alarming features that are displayed graphically on the control or remote computers
- + Graphics display current prism being measured and prisms within that group relative to the instrument point
- + Ability to set individual prism thresholds or global thresholds for alarming
- + Indicators to identify the connectivity to both the instrument and radio modem network
- + Ability to activate and de-activate the alarming feature
- + Ability to update and coordinate the background graphic
- + Display of 3D movement of last prism
- + Option for reports to be sent via e-mail to various recipients by simply clicking on the appropriate report
- + Edit control data, prism data and prism group
- + Measure new prisms
- + Export Windows CE for exporting a file for uploading to the Recon hand - held computer
- + Communication parameters for setting communication ports, radios etc
- + Ensures that data is being stored in the correct database using Quikslope
- + Instrument measure options, setting for single or multiple face readings passive or active targets, number of re-try of the instrument has problems with locating the REF prism
- + Search options which allows a search pattern to be entered in the case of fast moving prism.



Coordinated Graphic Display

BENEFITS

- + Remote control of instruments (as many as 6)
- + Simple to implement and use
- + Compatible with Leica, Geodimeter, Trimble and Topcon instruments
- + Exceeds statutory compliance
- + Improves business efficiencies
- + Improves safety
- + Improves risk management
- + Cost effective solution.

Quikslope Data Management Software

Quikslope is an intuitive and simple to use data management software that enhances the ability to make accurate and timely decisions regarding mine slope stability.

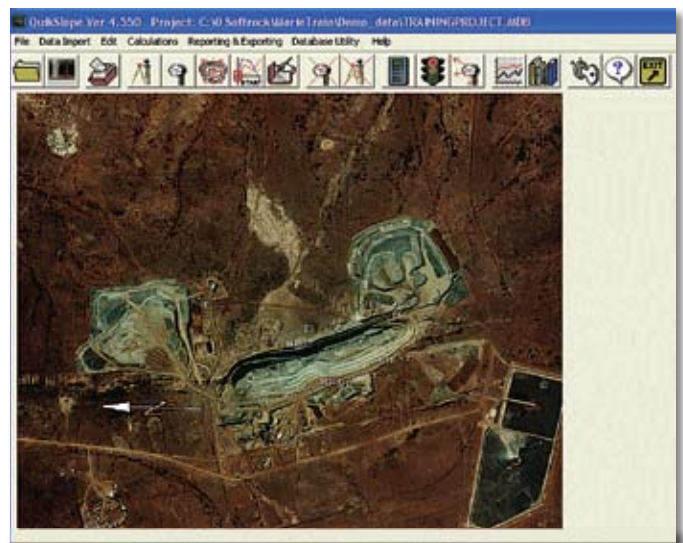
The management of an intangible asset such as data can often be complex, especially in a dynamic work place such as an operating mine or construction site. Quikslope software allows the user to integrate all stability data into one manageable package. Improving data integrity reduces risk and quantifies uncertainty, allowing for a more robust stability data management system, in turn allowing for informed decision making. Quikslope ensures that all involved in data analysis and decision making are doing so with the same quality data.

OVERVIEW

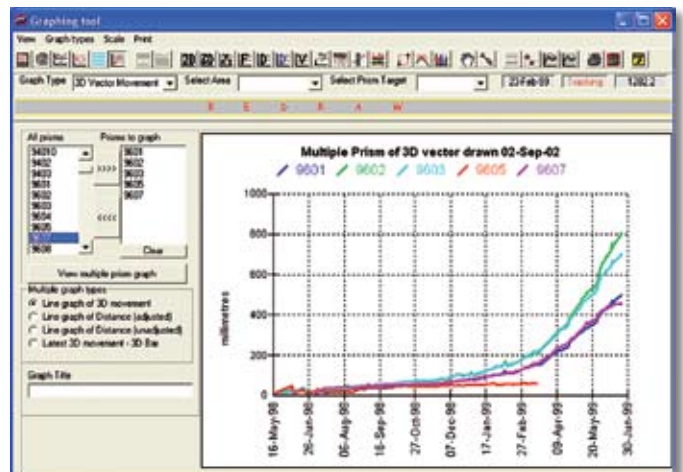
Quikslope is designed by experienced surveyors to provide reliable data processing, storage, analysis and reporting of monitoring/stability data. Quikslope provides an affordable data management system for either a manual or fully automated monitoring regime. Quikslope is the software that manages the data for reporting and analysis. Data captured by the instruments for the various groups is managed within a central database.

Quikslope software has the following functionality:

- + Import, export of manual data
- + Creation of new databases
- + Edit functions for raw data, prism data, benchmark data etc
- + Calculation function for the calculation of individual set-ups or global calculations
- + Graphing function, which allows data to be displayed in many varied formats to demonstrate various characteristics for analysis:
 - 2D or 3D vectors
 - Adjusted distance
 - Un-adjusted distance
 - Slope distance
 - Adjusted distance vs un-adjusted distance
 - XYZ displacement
 - Velocity
 - Control check
 - Crack movement
 - Rainfall
 - Rainfall and adjust distance
 - Crack and rainfall
 - Seismic data
 - Stacked graphs
 - Multiple prisms
- + Report options include delinquent prisms, individual group co-ordinates etc
- + Events recorder which allows specific events to be recorded against specific time periods associated with stepped movements in prism data i.e. rainfall, seismic events, blasting times, changes in measurement location, re survey of control, adjustment of control, condition of individual prisms etc.



Database



Graphing Tool

BENEFITS

- + Boosts productivity and increases efficiency
- + Improves decision making and technical assessments
- + Solves data fragmentation, loss, currency, and security problems
- + Simple and intuitive data access and organisation
- + Improves statutory compliance
- + Improves safety
- + Improves risk management
- + Cost effective solution.