The Technical Services Division at Mining One has a unique blend of seasoned professionals with extensive "hands on" experience in a variety of locations and environments. We can perform all aspects of a successful measurement or monitoring project from design and planning to implementation, data analysis and final reporting. These combinations makes us a One Stop Shop for all your Geotechnical Instrumentation and Monitoring needs.

Underground Geotechnical Capability

Stress Measurement Programs and Stress Monitoring
- HI Cell
- Hydrofracturing
- Borehole Slotter

Ground Control Management Plan
- Independent third party auditing GCMP

Ground Support (QA/QC, etc)
- Independent Audits
- Ground Awareness Training
- Non-destructive Testing
- Pull Testing: Rock Bolts, Friction Bolts, Cable Bolts

Rock and Ground Support
- Seismicity Monitoring
- Slough Cables
- SMART Cables
- Closure Monitoring
- Tell Tales
- Crack Monitoring
- TDR’s
- MPBX
- Equipment Installation
- Monitoring
- Analysis
- Data Review and Interpretation

Fibre Reinforced Shotcrete
- Beam testing
- Penetrometer testing
- Early Age strength determination
- Short and long term UCS core testing

Video Inspections
- Ground support (e.g. Friction Bolts)
- Ore passes and ore pass inspection holes
- Bore hole observations

Water Monitoring Equipment
- Planning
- Installations
- Monitoring (hand held, data logging)
- Borehole Piezometer
- Pressure Transducer

Example Projects by Mining One Personnel
- Beaconsfield (TAS): In-situ Stress Measurements
- Cracow (QLD): In-situ Stress Measurements
- Tritton Copper (NSW): In-situ Stress Measurements
- Renison Bell (TAS): In-situ Stress Measurements
- Ballarat Gold Mine (VIC): Operational Geotechnical Support, QA/QC ground support monitoring, In-situ Stress Measurements us HI cells, ground monitoring using SMART cables, and extensometers and closure meters
- Perseverance (WA): Operational Geotechnical Support, QA/QC ground support. Testing of ground support elements, In-situ Stress Measurements, installations of Ground Monitoring Equipment