

## Mine Closure, Planning & Rehabilitation

Mining One is an exciting team of highly experienced professional mining, mine geotechnical and geological consultants offering excellence in service and commitment to their clients with high level strategic, hands on practical design and implementation.

Our well respected team has extensive industry knowledge and experience in a diverse range of disciplines. Our aim is to ensure that mine closure planning commences before mining, throughout the mine life and until final closure.



### ABOUT US

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Our well respected team has extensive industry knowledge and experience in a diverse range of disciplines.

With our engineering knowledge and skills using a variety of software packages we are able to provide safe, cost-effective and problem solving solutions which reduce mine operating costs, increase productivity and maximise economic extraction.

For more information on any of our services please visit at:

[www.miningone.com.au](http://www.miningone.com.au)

### Mining

- Conceptual, scoping, pre-feasibility and feasibility studies
- Due diligence examinations
- Underground mine planning, design and scheduling
- Open-cut mine optimisation, design and scheduling
- Mining method and equipment selection
- Mine pumping, ventilation and backfill design
- Mine management services and secondments
- Risk assessments
- Audits and reviews – safety, insurance and costs
- Contract documentation, supervision and auditing
- Tender evaluations
- Expert witness testimonies
- Notice of intent – work plans
- Operator training

### Geology

- Competent people qualified under the JORC Code
- Independent Experts qualified under the VALMIN Code and with ASIC Regulations
- Conceptual, scoping, pre-feasibility and feasibility studies
- Mineral Resource and Ore Reserve Estimation
- Valuation of mineral assets
- Prospectus preparation
- Independent Expert (Geologist) reports
- Due diligence for mergers and acquisitions
- Exploration program management
- Geological logging and database preparation

### Civil Geotechnical

Mining One offers a comprehensive range of civil and mining infrastructure geotechnical services including:

- Field investigations and testing
- Foundation investigations
- Dams and tunnels
- Tailings storage facilities
- Natural slope hazard assessment
- Groundwater investigations

### Mining Geotechnical

- Pit slope stability analysis and design, including numerical stress modelling
- Ground support design for slopes, shafts and tunnels
- Shotcrete implementation, recommendations and reviews
- Excavation monitoring design using state-of-the-art systems
- Pillar-size and stable stope span designs
- Prediction of ground behaviour and optimum mining geometries using computer modelling techniques
- Stress measurements
- Geotechnical reviews and audits
- Stability assessment of natural slopes and waste dumps
- Ground awareness and geotechnical hazards training
- Geotechnical data collection training