



## CAPABILITY STATEMENT MINING SERVICES

### Mining One Pty Ltd

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

**E** [info@miningone.com.au](mailto:info@miningone.com.au)

#### MELBOURNE

Level 9, 50 Market St  
MELBOURNE VIC 3000  
**T** (03) 9600 3588  
**F** (03) 9600 3944

Mr Gary Davison  
**0419 360 747**

Mr Kevin Dugan  
**0437 887 727**

Mr Bill Frazer  
**0418 912 278**

#### ADELAIDE

Level 7, 33 King William St  
PO Box 3659  
ADELAIDE SA 5000  
**T** (08) 8231 7733  
**F** (08) 8231 7744

Mr Mark Van Leuven  
**0400 911 254**

Mr Mark Bailey  
**0417 812 800**

#### PERTH

Level 3, 44 Parliament Pl  
WEST PERTH WA 6005  
PO Box 381  
WEST PERTH WA 6872  
**T** (08) 9485 1444

Mr Will Sarunic  
**0412 027 583**

#### BRISBANE

Ms Lyn Stribley  
**0488 556 463**

## MINING ONE GROUP

Mining One was established in August 2005 to provide technical expertise in the fields of geotechnical engineering, resource geology and mining engineering to the mining industry. The group is lead by Gary Davison, Kevin Dugan and Bill Frazer who collectively have over 90 years of technical experience. Their main criteria is to actively manage and provide quality, high performance services which will enable Mining One to deliver excellent results for their clients

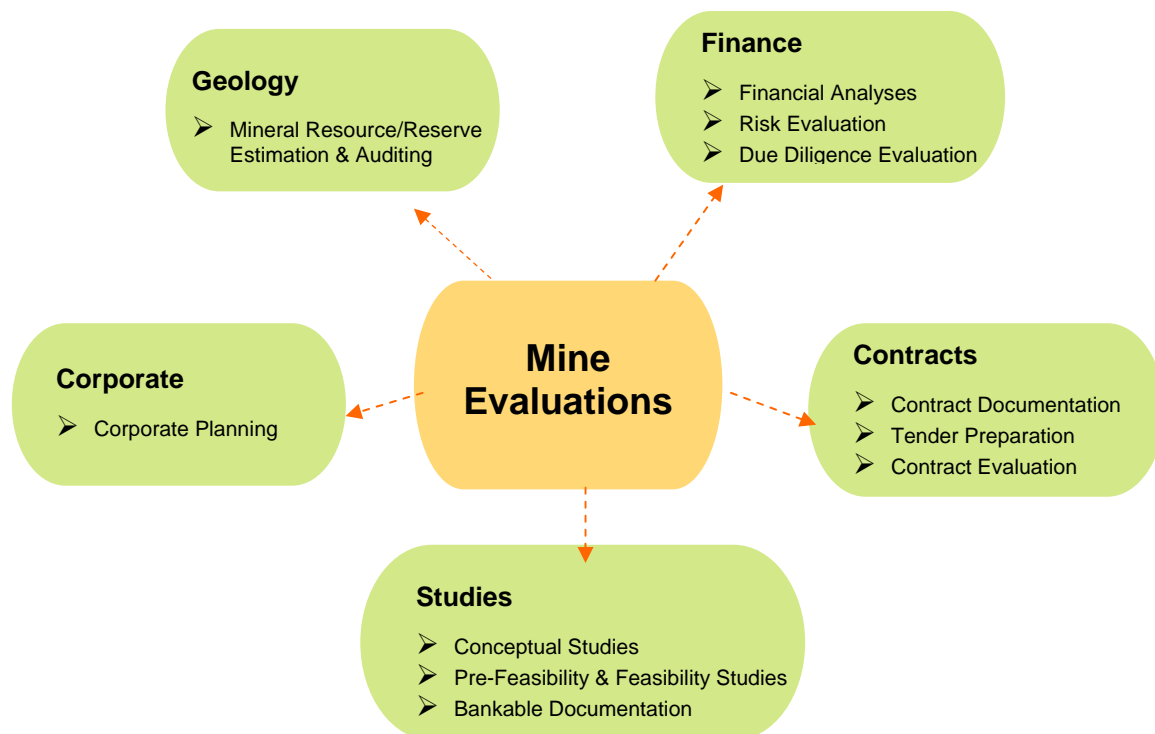
Our group has grown rapidly since its formation and now boasts a team of 60+ experienced and highly professional personnel. We have been involved in a wide variety of mining projects internationally including extensive work in South East Asia, Africa, South America and China.

We offer long term value to our clients by keeping up to date with new technologies and pride ourselves in being innovative with our designs and recommendations for new and existing mining operations.

## MINING SERVICES

The mining group provides a diverse range of services in the fields of mine design, mine planning, mine operation and mine evaluation.

### Mine Evaluations



## Studies

- Conceptual studies, pre-feasibility and feasibility examinations
- Due Diligence examinations
- Mining method assessment
- Underground mine design and scheduling
- Open pit mine optimisation, design and scheduling
- Geotechnical examination of mine excavation and slope stability
- Assessment of ground support requirements
- Mine services design, haulage, filling, pumping and ventilation
- Mine infrastructure design

## Contracts

- Contract documentation
- Tender evaluation
- Contract supervision
- Contract auditing
- Labour Hire

## Finance

- Financial modelling
- Financial analyses
- Financial risk analysis
- Project costing
- Valuing mining prospects and projects
- Economic assessment

## Corporate

- Independent technical audits
- Due diligence studies
- Independent mine valuation and expert reports
- Advice and assistance for corporate strategies

## Geology

- Geological mapping and interpretation
- Preparation and management of drilling programs
- Structural geology

- Geochemical interpretation
- Resource and reserve estimation and auditing

## MINE OPERATIONS

Mining One personnel have extensive experience working with operating mines and are able to assist mining operations in a wide range of areas as summarised below:



## Geology

- Competent people qualified under the JORC code
- Independent experts qualified under the VALMIN code and with ASIC regulations
- Preparation and management of drilling programs
- Geochemical interpretation
- Resource and reserve estimation and auditing
- Conceptual, scoping, pre-feasibility and feasibility studies
- Minerals resource and ore reserve estimation
- Valuation of minerals assets
- Prospectus preparation
- Due diligence for mergers and acquisitions

## Planning

- Formulation of planning systems compliant with relevant legislation
- Mine planning, design and scheduling
- Geotechnical analyses of mining excavations
- Determination of ground support regimes and systems
- Design of mine services such as pumping, ventilation and filling

## Implementation

- Implementation of planning procedures and designs
- Implementation of work procedures
- Geotechnical training including ground support training for operators and professionals
- Workplace risk assessments and risk assessment training
- Mine emergency preparedness training
- Implementation of team based solutions to operational problems
- Relief mine management

## Geotechnical Monitoring

- Installation of ground support monitoring systems
- Monitoring of rock mass movement
- Checking the performance of ground support and the application of correct installation procedures
- Monitoring of working systems and procedures
- Stress measurement and modelling (2D and 3D)

## Review of Operations

- Reviews and audits of operations
- Safety audits
- Insurance audits
- Cost reviewing and auditing

## Instrumentation

Mining One has expertise and experience in rock mechanics instrumentation and monitoring.

The expertise includes:

- Stress Measurements and Monitoring (HI cell technique)
- Ground Monitoring
- Ground Support Monitoring

# CIVIL / MINE INFRASTRUCTURE

## Engineering Geology

### Services:

- Field investigation and sampling (soil, rock and water)
- Specialist subsurface in-situ testing
- Engineering geophysical surveys
- Geological evaluations and modelling
- Geotechnical site assessments for tunnel alignments, dams and major infrastructure
- Geomorphology and terrain evaluation
- Landslide identification and stabilisation design
- Assessment of natural and constructed slope hazards
- Slope risk assessment and management
- Groundwater characterisation, dewatering and management
- Material source evaluation and resource development

### Projects completed by Mining One personnel include:

- Merri Creek Diversion Sewer – geological study and alignment selection
- Falls Creek Resort Management – landslide study
- Otway Gas Development Project – site investigation and alignment selection
- Walhalla Road Landslip – landslide remediation design and construction supervision
- Bogong Road Batter – road cutting batter evaluation and stabilisation design
- Lihir Access Road – Re-establishment of access road following a major slip
- Serpentine Dam - Spillway cutting assessment and remediation design

### Civil and Mine Infrastructure Foundation and Investigation Design Services:

- Geotechnical investigations for specific foundation types
- Supervision and quality assurance of foundation construction
- Design and analysis of machine foundations
- Foundation design for underground and on-ground storage tanks
- Geotechnical investigation planning and foundation design for petrochemical and mining facilities
- Foundations for buildings (raft, spread footings, etc.)

**The following projects illustrate the depth and range of our expertise in foundation design:**

- Siana (Philippines) – processing plant geotechnical investigation and foundation design
- Cibaliung (Indonesia) – processing plant geotechnical investigation and foundation design
- Maffra Water Treatment Plant (VIC) – site investigation and foundation design
- Power Substation Review (VIC) – review of large power substation, foundations and remediation design
- Mildura Water Treatment Plant (VIC) – site investigation and foundation design
- Alliance Resources (Maldon) – investigation of water storage facility

## HEALTH, SAFETY AND ENVIRONMENT POLICY

All Mining One Pty Ltd operations are carried out in a manner that will protect the health and safety of employees, contractors, customers and the community. Mining One Pty Ltd's services will conform to this policy and adequate advice will be provided to encourage a safe and responsible service.

To achieve this, Mining One shall:

- Provide and maintain healthy and safe work places and ensure that equipment is in a safe condition;
- Keep reviewing areas, equipment and work methods, to further improve safety and health in the belief that all occupational injuries and illness can be prevented;
- Provide systems of work to prevent accidental spillages and releases, and seek to minimise discharges to air, water and land that may harm the environment or cause harm to the health of employees, contractors and others living and working in the vicinity of our operations;
- Provide health and safety training to employees and our sub contractors;
- Implement an effective return to work policy for ill or injured workers;
- Provide services that are safe, without endangering the health of employees, users and others; and
- Co-operate with clients to ensure that our policies and work methods are consistent with their requirements for site access.

All managers, supervisors, operations personnel and sub contractors are accountable for health and safety performance in their areas.

Mining One's OH&S Manual can be provided upon request.

## INSURANCES AND WORKCOVER

Mining One has the following current insurance:

- Professional Indemnity Insurance
- Public Liability Insurance
- WorkCover Insurance

Certificates of Currency for each of the above can be supplied upon request.