MINING AND EXPERT WITNESS SERVICES

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Mr Patar Simbolon
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 80+ 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.

EXPERT WITNESS EXPERIENCES

Mining One has worked on numerous investigations for lawyers, insurance lawyers, loss adjusters and on behalf of mining companies as a geotechnical expert witness.

Key Projects:

- Morwell/Hazelwood Coal Buffer Tribunal (Clayton Utz in Melbourne).
- Melawan Coal Mine (Indonesia), Major Lowwall Spoil Dump Failure (current detailed work in Indonesia for Kelian (mine owner) on a major slope instability failure in the contract part of their mine operated by Thiess Indonesia.
- Beaconsfield Gold Mine. Engaged as technical expert for Wotton Kearney (Insurance Lawyer) on behalf of QBE Insurance.
- Kundana Gold Mine (WA). Engaged as technical expert on behalf of major insurance company over major claim.
- Freeport Gold Mine, Indonesia. Major investigation and risk assessment of large slope failure following multiple fatalities and extensive loss of equipment and production time. Engaged by international re-insurance company (SCOR) adjusters.
- Northparkes Block Cave Mine - working for mine owner and lawyers (Corrs Chambers Westgarth) on a major contract dispute.
- Rapu Rapu mine (Philippines). Investigation of slope failures on the access road to the mine. Contractual dispute with major mining contractor.
- Pike River Coal mine (New Zealand). Investigation of shaft collapse at NZ coal mine on behalf of NZ insurance lawyers (Jones Fee) and NZ loss adjusters, Godfreys.

- Huntly East Coal mine (NZ), Expert geotechnical witness for Solid Energy (NZ Government) at a Risk Assessment Workshop and for detailed design work

- Kundana Gold Mine (WA) Geotechnical expert on the detailed investigation of mine failure on behalf of international Insurance Loss Adjusters, Crawfords.

- Mt Lyell Copper Mine (Tasmania). Geotechnical expert on underground mud flow on behalf of Crawfords.

**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**

- **Geology**
  - Mineral Resource/Reserve Estimation & Auditing

- **Finance**
  - Financial Analyses
  - Risk Evaluation
  - Due Diligence Evaluation

- **Corporate**
  - Corporate Planning

- **Contrats**
  - Contract Documentation
  - Tender Preparation
  - Contract Evaluation

- **Studies**
  - Conceptual Studies
  - Pre-Feasibility & Feasibility Studies
  - Bankable Documentation
**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:

- Review of Operations
  - Review and Audits of Procedures
  - Safety and Insurance Audits
- Geology
  - Geological Audits
  - Structural Analyses
- Planning
  - Mine Planning, Design & Scheduling
  - Geotechnical Analysis and Design
- Implementation
  - Ground Support Training for Operators
  - Workplace Risk Assessments
  - Mine Emergency Preparedness Training & Audits
- Monitoring
  - Rock Mass Monitoring
  - Ground Support Monitoring
  - Monitoring of Work Procedures
- Mine Operations

**Civil / Mine Infrastructure**

Projects completed by Mining One:

- 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
- 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.