

# Coal – UG and Open Cut - Concept to Port

## Mining

- Conceptual, scoping, pre-feasibility and feasibility studies
- Design and implementation of pre-strip dig and dump plans
- Optimisation, design and scheduling
- Design and implementation
- Mine planning and scheduling, conceptual and long term
- Audits and reviews – safety, insurance and costs
- Design and implement drill and blast plans
- Short and medium term planning for overburden movement

## Geotechnical

- Pit slope stability analysis and design, including numerical stress modelling
- Excavation monitoring design using state-of-the-art systems
- Conceptual, scoping, pre-feasibility and feasibility studies
- Geotechnical reviews and audits
- Stability assessment
- Ground awareness and geotechnical hazards 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

## Processing

- Design, commissioning and operation Coal Processing Plants (CPP)
- Improving plant operating efficiencies
- Conceptual/Bankable/PFS and FS
- Audits and Reviews
- Flotation reviews and upgrades
- Dense media separation expertise
- Magnetite consumption reduction and dense medium cyclone performance audits
- Expert Witness
- Benchmarking – coal quality and detailed comparison against relevant local and international benchmarks to determine discount/premium against benchmark prices
- **Logistics** - coal handling from processing plant to market

## Experience

### Open Cut

- Anglesea Coal Mine (VIC)
- Yallourn Coal Mine (VIC)
- Rolleston (QLD)
- Loy Yang/Yallourn and Morwell (VIC)
- Leigh Creek Coal Mine (SA)
- Bengalla Coal Mine (NSW)
- Hazelwood Coal Mine (NSW)
- BHP Mitsubishi Alliance (QLD)
- Anglo Coal Dawson site/projects (QLD)
- FE Resources (Indonesia)

### Underground

- Oaky Creek No.1 (QLD)
- Oaky Creek North (QLD)
- Cook Colliery (QLD)
- Eagle Downs (QLD)
- Carborough Downs (QLD)
- Narrabri Nth (NSW)
- Kestrel Coal (QLD)
- Munmorah (NSW)
- Tahmoor (NSW)
- Springsure Creek (QLD)
- Broadmeadow Mine (QLD)
- Illawarra Coal (NSW)

**GOALS** - Our clients goals are our goals

**AIM** - Achieve the greatest potential from the mine

**HOW?** - Use Our Services

Mining One is all about working with our clients to further advance mining operations and improve the bottom line. When you are working in day-to-day operations it is hard to take time out to look at opportunities in mining efficiencies. Our team of highly experienced personnel offers support and commitment to their clients with high level strategic, hands on practical solutions to reduce mine operating costs, increase productivity and maximise economic extraction.