



OPEN CUT COAL

CAPABILITY STATEMENT



WE ARE MEC MINING

MEC Mining is a global mining consultancy specialising in mine planning, onsite management and technical services solutions for the international mining industry.

Since 2005, MEC has grown into a leading consultancy firm with an experienced team of consultants; specialising in both the open cut and underground coal and minerals sectors.

Through our teams' real-world experience, our engineers have an owner's point of view when executing a project.

We deliver high-quality work that enhances the value of our clients' assets and our experienced team of consultants bring a diverse range of knowledge to each project.

Importantly, we offer a flexible approach to all services and will gladly tailor our services to meet individual project or company requirements.

OPEN CUT COAL CONSULTING SERVICES

- ▣ Studies-conceptual, pre-feasibility and bankable feasibility
- ▣ JORC resource and reserve reporting
- ▣ Scheduling model builds
- ▣ Life of mine planning, long term planning and optimisation
- ▣ Design and scheduling
- ▣ Cost modelling and project optimisation
- ▣ Due diligence
- ▣ Tender/contract management

ONSITE OPERATIONAL SUPPORT

- Lead productivity improvement
- Technical mentorship and leadership training
- Technical services teams for full project support
- Operational design, planning and scheduling
- Operational review, cost modelling and operational improvement
- Training and mentoring of on-site personnel and systems development and review
- Short to medium term design, planning and scheduling solutions
- Relief role coverage from technical services engineers, geologists and surveyors through to management positions such as Senior Engineer and other Statutory roles

METHODOLOGIES

Our team of established consultants are experienced in the following mining systems across a range of deposit styles:

- Conventional open cut
- Strip mining
- Terrace mining
- Dragline
- Dozer Push
- Truck Shovel
- In-Pit systems (ie In Pit Crusher Conveyor)

SOFTWARE

Our team members hold experience with a range of mining software packages including:

- Deswik
- XERAS
- XPAC/XACT
- Vulcan
- Minescape
- Minex
- ArcGIS
- DataVis
- Surpac
- Minesight
- AutoCAD
- Spry





PROJECT

Baralaba North,
Queensland

COMMODITY

Coal - PCI

PROJECT STYLE

Bankable Feasibility Study

PROJECT DELIVERABLES

Detailed mine planning, cost modelling, JORC reserve statements, operational support and implementation.



PROJECT

Hail Creek Mine,
Queensland

COMMODITY

Coal - Metallurgical
and Thermal

PROJECT STYLE

Feasibility Study

PROJECT DELIVERABLES

Mining component of the feasibility study for Hail Creek's expansion into their Eastern Margin.



PROJECT

Gregory, Crinum,
Queensland

COMMODITY

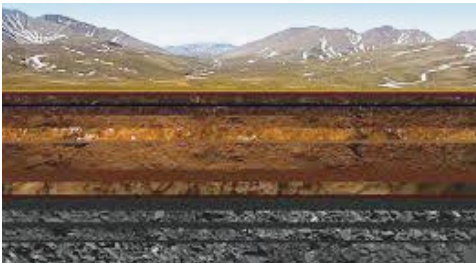
Coal - Metallurgical

PROJECT STYLE

Due Diligence Study

PROJECT EXPERIENCE

Identification and risk-management of key mining, geological and geotechnical risks. Mine plan and rehabilitation obligations.



PROJECT

Tigers Realm, Amaam
and Amaam North,
Russia

COMMODITY

Coal - Metallurgical
and Thermal

PROJECT STYLE

Pre-feasibility Study and Bankable Feasibility Study

PROJECT EXPERIENCE

Mining study for a greenfields moderately steep dip open cut and underground coal mine in the Russian Far East.



PROJECT

Foxleigh

COMMODITY

Coal - Low
Volatile PCI

PROJECT STYLE

Life of Mine Plan

PROJECT EXPERIENCE

A full life-of-mine plan was delivered for Middlemount South's Foxleigh operation.



PROJECT

Carmichael Mine,
Queensland

COMMODITY

Coal and Thermal

PROJECT STYLE

Feasibility Study

PROJECT EXPERIENCE

Scheduling and haulage modelling for the 8-year open cut plan including landform and scheduling of alternate operating scenarios for the Feasibility Study.

