

The background of the cover is a low-angle, black and white photograph of a complex industrial structure, likely a mine shaft or processing plant, with multiple levels of walkways and railings. The structure is set against a dramatic, orange and red sky, suggesting a sunset or sunrise. A large, diagonal red banner cuts across the middle of the image, containing the title text in white.

UNDERGROUND METALS

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.

CONSULTING SERVICES SUPPORT

- Life of mine planning and optimisation
- Medium and long term design and scheduling
- Conceptual, pre-feasibility and bankable feasibility studies
- JORC resource and reserve reporting
- Mine and stope economic cost modelling and optimisation
- Extraction sequence and cut-off grade optimisation
- Contract and tender evaluation
- Mining method and equipment selection
- Trade-off studies
- Capital and operating costs estimation
- Project review and project optimisation
- Assessment of ground control best practice
- Caving - Fragmentation analysis and cavability assessment
- Caving - Subsidence analysis and draw control

ONSITE OPERATIONAL SUPPORT

Utilising a broad range of onsite experience, our team provides and delivers full operational support across a wide range of functions.

- ▣ Coverage from technical services engineers, through to management positions
- ▣ Project management and Operational readiness
- ▣ Short to medium term design, planning and scheduling including supply of software where necessary
- ▣ Drill and blast design, guidelines and reporting systems
- ▣ Operational review, cost modelling and operational improvement
- ▣ Ventilation engineering
- ▣ Technical department gap analysis, process mapping and RACI analysis
- ▣ Technical procedures and industry best practice standards and policies

COMMODITIES

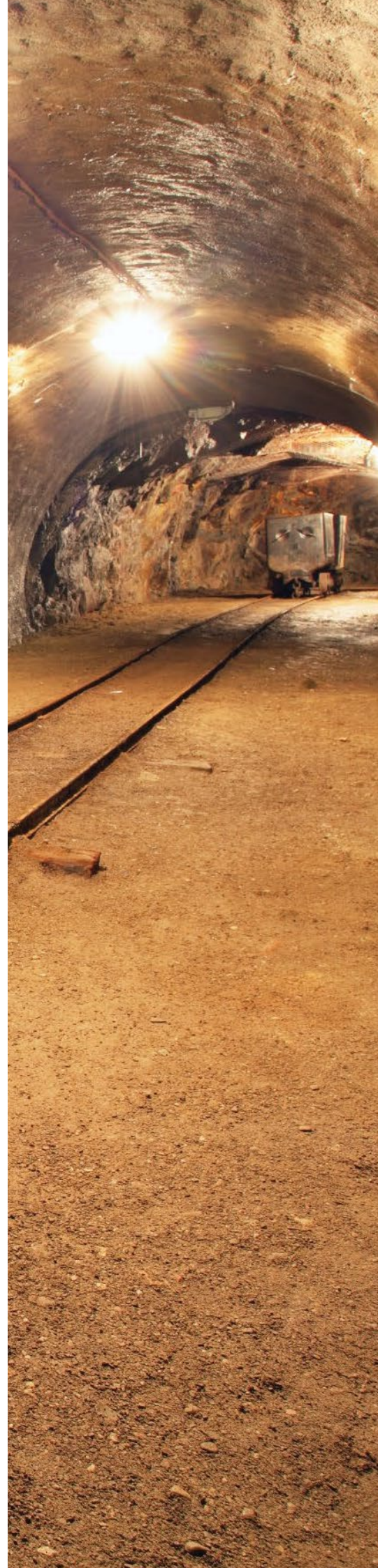
Our team of established consultants are experienced in the following commodities across a range of mineralisation styles:

- ▣ Copper
- ▣ Nickel
- ▣ Lead
- ▣ Silver
- ▣ Diamonds
- ▣ Uranium
- ▣ Zinc
- ▣ Gold

SOFTWARE

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

- ▣ Surpac
- ▣ Minescape
- ▣ Minesight
- ▣ Deswik
- ▣ Mine2-4D and EPS
- ▣ XERAS, XPAC / XACT
- ▣ Vulcan
- ▣ Ventsim
- ▣ Datamine



RECENT PROJECTS



PROJECT

Kibali, Democratic Republic of Congo

COMMODITY

Gold

PROJECT / DEPOSIT STYLE

Longitudinal and transverse long-hole open stoping / in massive disseminated mineralisation.

PROJECT EXPERIENCE

Life-of-Mine planning support.



PROJECT

Flying Fox, Western Australia

COMMODITY

Nickel

PROJECT / DEPOSIT STYLE

Long-hole benching (Avoca) / in massive sulphide lenses.

PROJECT EXPERIENCE

Life-of-Mine scheduling support.



PROJECT

Cannington, North Queensland

COMMODITY

Silver / Lead / Zinc

PROJECT / DEPOSIT STYLE

Transverse, Long-hole open stoping / in ag-rich massive sulphide lenses.

PROJECT EXPERIENCE

Planning, design and scheduling, project engineering, and underground engineering.



PROJECT

King of Hills, Leonora, WA

COMMODITY

Gold

PROJECT / DEPOSIT STYLE

Long-hole open stoping and mechanised cut and fill / in narrow-vein mineralisation.

PROJECT EXPERIENCE

Short term to medium term planning, life of mine planning & scheduling, deputy mine management.



PROJECT

Olympic Dam, South Australia

COMMODITY

Copper / Uranium / Silver / Gold

PROJECT / DEPOSIT STYLE

Sublevel open stoping / in massive sulphide orebody.

PROJECT EXPERIENCE

Medium-term planning, Life-of-Asset planning & scheduling, Life-of-Asset projects; Identification phase planning, scheduling and assistance.



PROJECT

Broken Hill - ZC, NBHC, & SX (Southern Ops), Rasp Project, Potosi & North Mine (Northern Ops)

COMMODITY

Lead / Zinc / Silver

PROJECT / DEPOSIT STYLE

Long-hole open stop- ing & remnant pillar mining / in massive sulphides and sub-vertical lenses.

PROJECT EXPERIENCE

Underground mining, Drill and Blast, planning, scheduling, ventilation, mine supervision, study project management.

