

## ABOUT US

METS Engineering is an independent specialist consulting group providing services to the global mining industry. Although the company is Perth based, our professional staff are available to help on any job in Australia or overseas, whether from the office or on site. Since 1988, METS has established itself as a quality service provider. METS is aptly skilled to provide comprehensive services to the mining industry in:

**MINERAL PROCESSING  
ENGINEERING DESIGN  
TRAINING  
SPECIALIST SERVICES**

The newest addition to our company is CDMS Consulting Engineers who are oil and gas experts in mechanical design, structural design and design verification. Together we provide a wider range of quality engineering services.

## OUR CORE PURPOSE

Our core purpose is to make economic resource projects more robust and to make robust resource projects realise their full potential.

## WHY METS?

### OUR EXPERTISE

Mineral Processing  
Hydrometallurgy  
Pyrometallurgy  
Testwork & Management Plans  
Engineering Studies  
Optimisation  
Project Capital Reduction  
Product Innovation  
Specialist Services  
+ More

### GLOBAL INDEPENDENT CONSULTANT

Since 1988  
Australia  
Africa  
Asia  
Europe  
Middle East  
North America  
South America

### ALL COMMODITIES

Alumina  
Copper  
Garnet  
Gold/Silver  
Graphite  
Iron Ore  
Kaolin  
Lead/Zinc  
Lithium  
Mineral Sands  
+ More

### 30+ YEARS EXPERIENCE

Domestic and International Projects  
All Industries  
Investigation, Studying, Execution and Verification of Projects  
Locally owned & operated  
40+ Training Courses  
We share our knowledge with the industry

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TRUSTED ENGINEERS FOR 30+ YEARS

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# OUR CAPABILITIES

## MINERAL PROCESSING

Mineral processing is our core speciality. We offer a range of testwork programs and engineering studies to assist in any stage of your project including:

- > Testwork programme management
- > Interpreting testwork results
- > Sighter testwork
- > Conceptual/scoping studies
- > Pre-Feasibility Studies (PFS)
- > Feasibility Studies (FS)
- > Definitive Feasibility Studies (DFS)

## ENGINEERING DESIGN

METS has particular expertise in multidiscipline design and plant layout. Our Engineering Design services cover:

- > Mechanical design
- > Engineering studies
- > Civil & structural design
- > Piping
- > Instrumental & control
- > Equipment design, specification & selection

## HYDROMETALLURGY

METS has designed and operated heap leaches, pressure leaches globally. We have been involved in studies, piloting, project development and commissioning. This includes purification, crystallisation and electrowinning.



## TRAINING

METS provides customised and in-house training courses that give participants increased technical awareness and practical expertise no matter what their level of experience. METS can also assist in creating, re-writing and updating your operations training manuals. All of our services can be delivered via an e-learning option or with site placed trainers if required.

## SPECIALIST SERVICES

METS provides expert consulting services and advice to the international mining industry.

- > Labour hire
- > Operational services
- > Water and waste water management
- > Due diligence
- > Expert witness
- > Risk management
- > Dust management
- > Consulting Services

## SMELTING & PYROMETALLURGY

METS Provides consultancy and services for smelting projects. We cover an extensive number of commodities and smelting process routes. We have been involved in studies, project development, commissioning and audits of smelters. We have worked at smelters here in Australia and across the globe. This includes ferrous and non ferrous metals.

# PROJECTS

## MT PEAKE VANADIUM PROJECT

- > TNG Ltd
- > Northern Territory, Australia
- > Metallurgical Testwork, Scoping, Study, PFS, FS.

METS have been engaged to execute a comprehensive testwork programme all the way through to the feasibility study currently being conducted. We are jointly developing a new, patented hydrometallurgical technology breakthrough suitable for extracting vanadium, titanium and iron from titanomagnetite.

## CASPOSO GOLD-SILVER PROJECT

- > Troy Resources NL
- > Argentina, South America
- > Feasibility Study and Detailed Study

The project included the creation of a financial model, metallurgical services and testworks, second hand equipment sourcing, transportation and re-assembly. Planning and design for construction of new equipment was required for the unique process. Preparation and planning for the construction of a power grid on site was also created. METS key initiatives also included the cyanide destruction circuit and dry tailings facilities.

