

**Mincore Pty Ltd** is an Australian company operating in the mining and minerals processing industries. Mincore's core business is offering a **MANAGED SERVICE** approach to project management and engineering for the development of base metals, coal and metalliferous mines and associated infrastructure.

Mincore also engineers and constructs other process related industrial plants and manufacturing facilities.

Additionally Mincore provides specialist consulting engineering and construction services for modifying and upgrading existing production facilities.

Mincore's basic services include:

- Business planning and evaluation
- Feasibility studies
- Mine and process design
- Multi-discipline engineering
- Project planning
- Estimating and cost control
- Procurement of equipment and materials
- Expediting and inspection
- Project and construction management
- Process commissioning
- Production trouble shooting
- Plant maintenance support

The company's regional project experience ranges across Australia, China, Indonesia, Laos, Malaysia and West Africa.

Mincore has a core staff of project managers, engineers, designers and economists experienced in all areas of project work.

At Mincore we particularly value hands-on practical experience as well as academic achievement.



## OUR SERVICES INCLUDE:

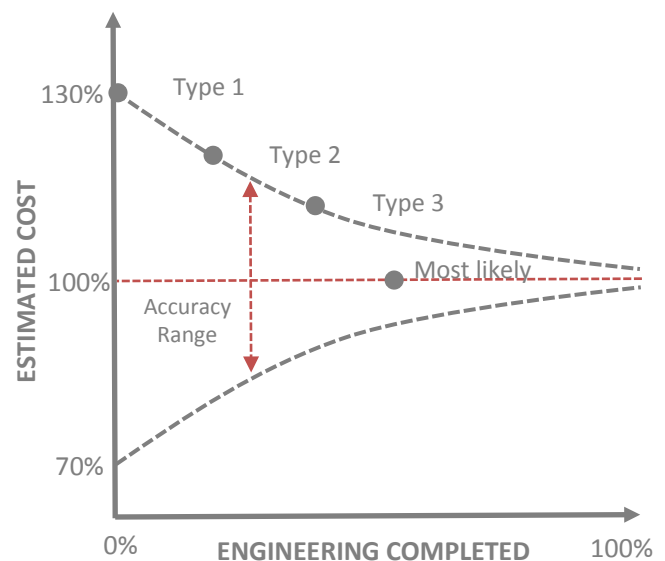
### Project Development Support:

Mincore has the right people to undertake:

1. Evaluation Stage Studies:
  - Scoping or Concept Studies
  - Order of Magnitude Studies
  - Pre-Feasibility Studies
  - Feasibility Studies
2. Implementation Stage Activities:
  - Execution and Scheduling
  - Commissioning and Ramp Up
  - Completion and Closeout

### Estimating Services

1. Forecasting the cost of facilities needed for an investment proposal:
  - Scope definition and **FEED** design.
  - Estimate criteria and design.
  - Prepare the estimate:
    - Bulk Quantity Takeoffs.
    - Type 1, 2 and 3 Level estimates.
    - Operating costs.



2. Project Commercial & Fixed Asset Evaluations.

### Cost Control

The capital cost estimate is the basis for project cost control. Once the project budget has been set, cost control must be implemented to ensure costs remain within that budget, and at a minimum.

At Mincore, the cost management system is linked to the estimating system. This enables rapid transition into project execution phase so that the Project Manager has cost data available from Day 1.

## Detailed Design/Specification

Our detailed design services are provided using the latest 2D or 3D CAD design packages. The end product can be 2D drawings and/or the provision of the 3D model to suit client requirements. Typical design phases are:

1. Design – Preparation of 2D or 3D project layouts and details with clash and error checks for approval.
2. Detailing – Preparation of arrangement, fabrication and installation drawings.
3. Costing and Procurement Support – Preparation of BOMs, marking plans, shop detail and Isometric drawings.

Our experience covers all base metals including **gold, copper, lead/zinc, coal and iron ore.**

Our designs are fit for purpose to maximum the IRO of your investment.



3D Image of Typical Crushing Plant

## Procurement

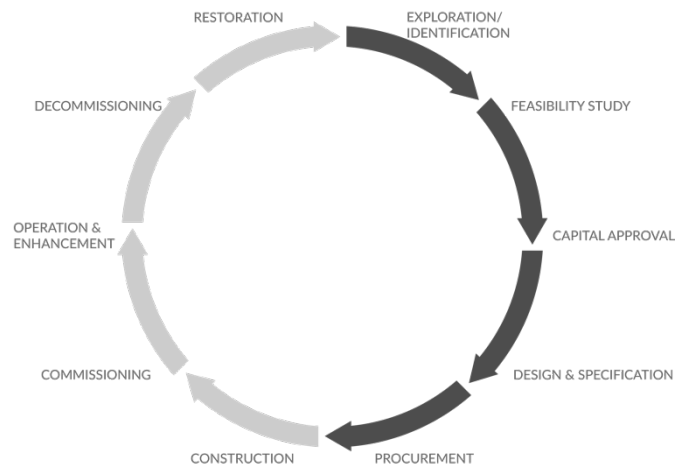
Mincore can assist with:

- Contracting and Procurement Plans
- Efficient procurement system linked to cost control system
- China and Thailand supplier Alliances

## Implementation

Following a Notice to proceed we can assist with:

- Project Management
- Execution Planning
- Construction/Site Supervision
- Commissioning & Ramp Up
- Completion & Closeout



## Project Auditing

- Project Technical Audits
- Audits and reviews of designs
- Plant Structural Audits
- Design Reviews

## Operation & Enhancement

Mincore can undertake business improvement and efficiency studies for:

- De-bottlenecking
- Recovery and productivity Improvements
- Throughput Increases

## Reference Projects

The people within Mincore group have worked as individual consultants to many of the large resource industry groups, such as:

- Bassari Resources
- Fosterville Gold
- Nifty Copper
- Comalco Weipa
- PT Kaltim Prima Coal
- Toka Tindung Gold

## Why choose Mincore?

We can design and construct plants from 300kTPA to 30MTPA. Mincore is a fully integrated mining construction engineering company with hands on knowledge in materials handling, process plant design and project services. We are also acutely aware of the impact on the environment, health safety and risk.

We offer practical and innovative solutions across the entire life cycle of a mining project.

**For more information please call +61 3 8680 2351 or email [info@mincore.com.au](mailto:info@mincore.com.au) or visit [www.mincore.com.au](http://www.mincore.com.au)**