

CAPABILITY STATEMENT

Engineering design & project management for Australia's resources sector.

WHO WE ARE

JAEKA is a Perth based engineering consultancy working in fixed plant and non-process infrastructure across Western Australia's resources, power, ports and rail sectors. We pride ourselves on our ability to swiftly deliver meaningful outcomes to our clients while maintaining structure and quality.

Our presence in the industry is distinguished by the lasting relationships we've formed and recurring services. Our systems are built to be dynamic and aid our ability to move quickly when the market demands it.

OUR SERVICES

Fixed Plant and Non-Process Infrastructure Engineering Design and Drafting

Concept through detailed design of fixed plant and the non-process infrastructure projects, documented to a standard that can be built.

- Concept, FEED and detailed design
- Structural, platework and mechanical design
- Drafting and 3D modelling
- Non-process infrastructure
- Brownfield tie-ins and sustaining capital
- Mechanical plant procurement support
- Commissioning plans
- Safety in design workshops and close-out

Feasibility & Concept Studies

Early-stage scoping and options analysis that gives an investment decision something solid to stand on.

- Problem statement and objective
- Options identification and trade-off studies
- Order-of-magnitude, scoping, pre-feasibility and feasibility studies
- Capital and operating cost estimates to study grade
- Debottlenecking and capacity assessment
- Sustaining capital planning and prioritisation
- Study reports

Project Management

Planning, scheduling, cost control and delivery oversight with enough technical depth to work with a contractor.

- Scope definition and work breakdown
- Capital cost estimates and cost control
- Project controls and scheduling
- Contractor and vendor management
- Construction tender packages and tender reviews
- Construction project engineering
- Shutdown and tie-in planning
- On site commissioning management and operational readiness
- Project risk assessments

Independent Engineering & Advisory

Third-party review, technical assurance and owner's engineer support.

- Third-party review of engineering designs
- Review of construction contractor deliverables
- Quality control and document assurance
- Owner's engineer representation
- Technical due diligence and asset condition review
- Constructability and maintainability review
- Expert technical advice

OUR ENGAGEMENT

01 Understand

Engagement with your teams to define the problem statement.

02 Option

We build and test the option set quickly and bring you the outcome.

03 Deliver

Design, documentation and delivery management, staffed by experienced professionals.

04 Support

Construction support, commissioning management and operational readiness.

WHERE WE WORK

Based in Perth, Western Australia. Working across the Pilbara, the Goldfields and the Mid West.

- Minerals processing — crushing, screening, milling, conveying, stockyards and train load-out
- Power and energy — balance of plant, power plant, fuel storage and handling
- Ports and rail — car dumpers, stackers, reclaimers, conveying, shiploading
- Non-process infrastructure across all three

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