



/ ENGINEERING • COMMISSIONING • FUNCTIONAL SAFETY • PROJECT ASSURANCE

ENGINEERING CONFIDENCE. DELIVERED.

CORESTONE ENGINEERING PTY LTD is a specialist engineering consultancy delivering Engineering, Commissioning, Functional Safety and Project Assurance services across Australia's Mining, Oil & Gas and Energy sectors.

We partner with EPCs, Owners and Contractors to reduce project risk, improve delivery certainty and ensure assets are commissioned safely, compliantly and efficiently.

Whether supporting a single package or an entire facility, we provide experienced engineering professionals who integrate seamlessly into project teams and deliver practical, outcome-focused solutions.

/ WHO WE SUPPORT

THREE SECTORS, ONE STANDARD

Mining

Greenfield and Brownfield processing facilities, material handling, crushing, water treatment and infrastructure.

Oil & Gas

Upstream, midstream and downstream facilities including hazardous area installations and process safety systems.

Energy & Renewables

Power generation, substations, battery storage, hydrogen and renewable energy projects.

/ CLIENTS WE WORK WITH

Asset Owners • EPC Contractors • Mining Operators • Oil & Gas Producers • Renewable Energy Developers • Industrial Manufacturers



**/ OUR SERVICES**

ENGINEERING AND COMMISSIONING UNDER ONE CONSULTANCY

Engineering Consultancy

Engineering support throughout concept, detailed design, construction and project delivery.

- Electrical Engineering
 - Instrumentation & Control Engineering
 - Process Engineering Support
 - SMP Coordination
 - Design Verification
 - Technical Reviews
 - Brownfield Modifications
 - Site Engineering Support
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Commissioning & Start-Up

We specialise in taking projects from construction to operational readiness.

- Commissioning Management
 - Commissioning Planning
 - Commissioning Procedures
 - Systemisation
 - Mechanical Completion
 - Pre-Commissioning
 - Cold & Hot Commissioning
 - Start-Up Support
 - Operational Readiness
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Functional Safety

Practical Functional Safety support aligned with IEC 61511 throughout the safety lifecycle.

- Functional Safety Management Plans
 - SIL Verification
 - SIL Validation
 - Safety Requirement Specifications
 - Proof Test Reviews
 - Functional Safety Assessments
 - Cause & Effect Verification
 - Safety Instrumented System (SIS) Verification
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Quality Assurance

Ensuring construction quality meets project specifications and industry standards.

- Inspection & Test Plans
- Construction Verification
- QA Audits
- Site Surveillance
- Vendor Quality Reviews
- Non-Conformance Resolution
- Punch List Management





FAT / SAT & Vendor Assurance

Independent witnessing and technical verification before equipment reaches site.

- Factory Acceptance Tests
 - Site Acceptance Tests
 - Vendor Document Reviews
 - Technical Clarifications
 - Defect Tracking
 - Performance Verification
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MDR & Documentation

Complete engineering documentation support throughout project delivery.

- Manufacturing Data Record Reviews
 - Vendor Data Reviews
 - Engineering Document Control
 - Turnover Packages
 - As-Built Verification
 - Client Handover Documentation
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Completions Management

Digital and field-based completions support from construction through handover.

- Systemisation
 - Mechanical Completion
 - Punch Management
 - Walkdowns
 - Commissioning Completions
 - Handover Dossiers
 - Operations Handover
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/ WHY CORESTONE

PRACTICAL ENGINEERING. NOT PAPERWORK.

Our engineers have worked directly within operating facilities, major projects and commissioning teams. We understand that successful delivery is measured by systems safely handed over, production achieved and clients able to operate with confidence.

- ✓ Engineering + Commissioning under one consultancy
- ✓ Functional Safety expertise (IEC 61511)
- ✓ Brownfield project specialists
- ✓ Independent technical assurance
- ✓ Practical site experience
- ✓ Owner's Engineer support
- ✓ Fast mobilisation
- ✓ Flexible project engagement
- ✓ Perth based with national capability
- ✓ Certified: FS Eng (TÜV Rheinland) 31019/25

/ PROJECT LIFECYCLE SUPPORT

Concept → Engineering → Procurement Support → Factory Acceptance Testing → Construction QA → Mechanical Completion → Commissioning → Functional Safety Validation → Performance Testing → Operations Handover

/ CONTACT

CORESTONE ENGINEERING PTY LTD

Engineering | Commissioning | Functional Safety | Project Assurance

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