



PROCESS-POWER SOLUTIONS

Integrated Technical Solutions for Mining, Energy & Industrial Operations

Perth | Goldfields | Mid West | Pilbara | Remote & Site-Based Support

ENGINEER THE SOLUTION | EXECUTE THE WORK | COMMISSION THE ASSET

Who We Are

Process-Power Solutions is a Western Australian engineering and technical services business providing integrated electrical and high-voltage, HVAC and refrigeration, automation, QA/QC, commissioning, mobile mining equipment maintenance and repair, and project delivery support to mining, resources, energy and industrial clients. We bridge the gap between engineering consultancy and field execution - from investigation and design through procurement, construction, testing, commissioning, troubleshooting and handover.

Our senior leadership brings more than 30 years of experience across mining, mineral processing, LNG, oil and gas, offshore and heavy industrial facilities, including project experience associated with Chevron, Rio Tinto, First Quantum Minerals, INPEX, Woodside, ConocoPhillips, Eni and Shell.

Core Capabilities

Electrical Engineering & Contracting

HV/LV distribution • MCCs and switchboards • transformers • generators • motors and VSDs • protection and controls • cable systems • earthing • brownfield modifications • testing • compliance • fault finding

HVAC & Refrigeration

Industrial and commercial HVAC • refrigeration • ventilation • switchroom/control-room cooling • packaged and split systems • BMS interfaces • controls • breakdowns • upgrades • maintenance • commissioning

Automation, Control & SCADA

PLC/SCADA/HMI systems • process instrumentation • generator controls • VSD integration • communications • remote monitoring • control-system upgrades • functional testing • troubleshooting

Commissioning & Start-Up

Pre-commissioning • FAT/SAT • energisation • functional testing • electrical/instrument/control commissioning • punch-list resolution • CSU • operational readiness • turnover and handover

Brownfield Project Delivery

Site investigations • scope definition • constructability • field engineering • tie-ins • shutdown/SIMOPS planning • work packs • procurement • construction support • as-built and close-out

Project Engineering & Delivery

Project engineering • engineering management • package management • superintendent support • contractor/vendor management • schedule/cost/risk • technical assurance • interface management • commissioning coordination

QA/QC, Testing & MDR

ITPs • test packs/check sheets • inspections • FAT/SAT records • electrical and functional test records • NCR/punch-list management • QA/QC documentation • MDR compilation • redlines/as-builts • turnover dossiers

Mobile Mining Equipment - HV Maintenance & Repair

HV electric-drive haul trucks • excavators • loaders • mine machinery • HV isolation/switching • traction and propulsion electrical systems • diagnostics • fault finding • heavy equipment air conditioning • maintenance • repair • testing

Rapid Response & Troubleshooting

When a production-critical problem crosses traditional discipline boundaries, we investigate the complete system. Typical support includes temporary power, VSD/motor-control faults, HV and electric-drive mobile equipment faults, haul truck and excavator electrical issues, heavy machinery HVAC/refrigeration failures, PLC/SCADA problems, QA/QC deficiencies, commissioning defects and reliability issues.



Industry & Project Capability

Mining & Minerals

Gold • iron ore • nickel • lithium • base metals
• processing plants • materials handling •
power distribution • mine infrastructure •
electric haul trucks • excavators • fixed and
mobile mining equipment

Energy & Gas

LNG • natural gas • oil & gas • generation •
utilities • offshore/onshore facilities •
hazardous areas • brownfield upgrades

Industrial & Remote

Workshops • warehouses • water/wastewater
• camps • remote power • HVAC • process
utilities • maintenance and reliability

How We Can Support Your Project

Embedded Technical Personnel - Senior engineers, project engineers, commissioning personnel, supervisors and technical specialists integrated with the client team.

Specialist Consultancy - Technical investigations, engineering reviews, design assurance, troubleshooting, reliability and advisory support.

Field Services - Electrical/HV, mobile-equipment HV/electrical maintenance and repair, heavy-equipment HVAC/refrigeration, QA/QC/testing, commissioning and fault finding.

Defined Work Packages - Agreed scopes taken from engineering and procurement through execution, QA/QC, testing, MDR compilation, commissioning and handover.

Rapid Response - Short-notice support for electrical/HV, mobile mining equipment, HVAC, commissioning and production-critical technical problems.

Why Process-Power Solutions?

ENGINEERING + FIELD EXECUTION

- Engineering decisions informed by construction, commissioning, maintenance and operations experience.
- Practical solutions focused on safety, constructability, maintainability and asset performance.
- Capability to investigate, engineer, execute and commission rather than simply identify the problem.

SENIOR TECHNICAL LEADERSHIP

- 30+ years across mining, LNG, oil & gas, offshore and industrial projects.
- Experience across EPC/EPCM, brownfield, construction, commissioning, reliability and operations.
- Strong contractor, vendor, client and multidisciplinary interface management.

Leadership & Credentials

Cliff Harrington - Director / Principal Engineer | Doctorate of Electrical Engineering | Master of Industrial Automation & Control | Graduate Diploma of Project Management | Advanced Diploma Electrical & Instrumentation | WA Electrical Worker Licence | WA Electrical Contractor Licence | HV Switching | HV Joining | EEHA Certificate IV | Instrumentation Certificate IV | HVAC / Refrigeration capability | Schedule 26.

Need Additional Technical Capability?

Project behind schedule? QA/QC or MDR close-out falling behind? Electrical/HV, mobile equipment or HVAC breakdown? Difficult brownfield scope? Process-Power Solutions can provide practical engineering and field support to move the problem through to resolution.

PROCESS-POWER SOLUTIONS

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Note: Client and project names referenced above represent the professional experience of Process-Power Solutions personnel and do not imply current endorsement, partnership or contractual affiliation.