



CAPABILITY STATEMENT

***ELECTRICAL
CONSTRUCTION***



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ACCESS ENGINEERING & CONSTRUCTION

EXPERTISE

- ✓ **ELECTRICAL DESIGN**
- ✓ **HAZARDOUS AREAS**
- ✓ **PANEL MANUFACTURE & TESTING**
- ✓ **CONSTRUCTION & INSTALLATION**
- ✓ **LIGHTING SOLUTIONS**
- ✓ **COMMISSIONING, TESTING & CALIBRATION**
- ✓ **SERVICE & MAINTENANCE**
- ✓ **PROJECT MANAGEMENT & DOCUMENTATION**
- ✓ **ENERGY MANAGEMENT**



INTEGRATION

Our *Integrated Solutions* help simplify services, while optimising processes and overall plant performance.



INNOVATION

We utilise the latest technology to provide asset and process information in new, powerful, and effective ways.



INSIGHT

As experts in process automation and control, engineering and construction, we provide quality, cost-effective and innovative solutions backed by industry knowledge and insight.

**OUR
CAPABILITIES &
SOLUTIONS
THAT MAKE A DIFFERENCE**

ELECTRICAL DESIGN

- Low Voltage (LV) & Extra Low Voltage (ELV) design including Single Line Diagrams (SLD's), Power Distribution, Motor Control Center (MCC), variable speed drives, instrumentation power supplies & protection
- Fixed & wireless communication networks & hardware, including fibre optic
- Industrial communication networks; audits.
- Instrument selection, positioning, installation, impulse piping, & cabling for various applications.
- Pneumatic Instruments, piping & control systems.
- Steam Water Analysis Systems (SWAS) design
- Control & isolation valve selection and sizing
- Retrofit & upgrades of existing & old installations

HAZARDOUS AREAS

- Zone classification & equipment selection
- Panels, cabling & installation design
- Hazardous Area (HA) documentation dossier preparation (audits, inspections, & compliance)

PANEL MANUFACTURE & TESTING

- Modern workshop & testing facility
- Input/Output (I/O) termination, Programmable Logic Controller (PLC), control desks, Hazardous Area (HA) & custom electrical/instrument panels
- Power Distribution Boards (PDB)
- Motor Control Center's (MCC)
- Communication, data, & patch panels

ENERGY MANAGEMENT

CONSTRUCTION & INSTALLATION

- High Voltage (HV), Medium Voltage (MV), Low Voltage (LV), Extra Low Voltage (ELV) cabling
- PDB's, PLC panels, control desks, MCC's
- Hazardous Area (HA) equipment & cabling
- Process Instrumentation

LIGHTING SOLUTIONS

COMMISSIONING, TESTING & CALIBRATION

- Factory Acceptance Test (FAT), Site Acceptance Test (SAT) & site commissioning
- Workshop & on-site calibrations & verifications

SERVICE & MAINTENANCE

- Preventative maintenance (routine repairs, audits)
- Testing & tagging
- Pre-shutdown Inspections & planning
- Installed base analysis & maintenance reporting
- 24/7/365 support; On-site & remote

PROJECT MANAGEMENT & DOCUMENTATION

- Complete project life-cycle benefits & support.
- Turnkey projects, customised solutions
- Process improvement consultation & reviews
- Upgrades and shutdown management, equipment, & labour supply
- Cost reduction & margin management.
- In-house Asset Information Management System.





PROVEN PERFORMANCE & OUTCOMES YOU CAN DEPEND ON

At Triple i, we are proud of our reputation as an experienced and dependable operator within the Industry. Our recognised smart solutions have seen the effective completion of projects throughout Australia and South-East Asia, with each illustrating our commitment to operational integrity and our clients mutual success.

We have provided our services to a diverse and large client base, including:

BLUESCOPE STEEL LIMITED

Furnace gas safety system upgrades.

WINDER CONTROLS AUST / ENDEAVOUR MINE

Cobar Mine upgrade.

SYDNEY TRAINS

Maintenance of the Bombo Quarry control systems.

COREGAS

Embedded technical support team for ongoing maintenance and minor capital projects.

SIEMENS AUSTRALIA

Tallawarra Power Station control system upgrade.

TRILITY GROUP

Macarthur Water Filtration Plant upgrade.

GRAINCORP LIMITED

Port Kembla and Newcastle - New emissions flow monitoring system for CEM6 compliance.

MORGAN CEMENT INTERNATIONAL PTY LTD

Dust collector installation.

SOUTH32 LIMITED

- Calibrations and compliance Certifications at all South32 Illawarra mine sites.
- Appin Mine Gas Drainage Plant Control system stage one (1).



100%
AUSTRALIAN OWNED
& OPERATED

38+
YEARS OPERATING
SINCE 1986

80+
NUMBER OF TEAM
MEMBERS

2
OFFICES &
WORKSHOPS

**INDUSTRY
EXPERTISE**

**QUALITY
PRODUCTS**