



CAPABILITY STATEMENT

**ENGINEERING &
TECHNOLOGY**



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ACCESS ENGINEERING & TECHNOLOGY EXPERTISE

- ✓ **ASSET VISUALISATION & DATA ANALYSIS**
- ✓ **VALIDATIONS & TRAINING**
- ✓ **PROCESS CONTROL**
- ✓ **DCS, PLC, SCADA & HMI SYSTEMS**
- ✓ **CONTROL SYSTEM UPGRADES & MIGRATIONS**
- ✓ **PROJECT MANAGEMENT**
- ✓ **SAFETY CONTROL SYSTEMS**
- ✓ **HAZARDOUS AREA CHECKS & COMPLIANCE AUDITS**
- ✓ **FUNCTIONAL SAFETY ASSESSMENT & COMPLIANCE AUDITS**
- ✓ **INDUSTRIAL COMMUNICATIONS NETWORK**
- ✓ **SERVICE & SUPPORT**



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**

ASSET VISUALISATION & DATA ANALYSIS

- Data capture, consolidation, & analysis per needs.
- Process monitoring, visualisation & optimisation solutions via augmented & virtual Reality.

VALIDATIONS & TRAINING

- Test facilities allow for setup, simulation, & process response interaction including complex changes.
- Advanced technology training; on-boarding.

PROCESS CONTROL

- Automation & process control engineering to enhance the safety, efficiency, & quality.
- Qualified & skilled Engineers.
- Instrument specification, calibration & installation.
- Vendor agnostic approach with proven systems.

DCS, PLC, SCADA & HMI SYSTEMS

- Design, manufacturing, & installation of various process control systems.
- Simple to highly complex processing.

SAFETY CONTROL SYSTEMS

- Accredited TUV Functional Safety Engineers.
- Experience with short shutdown cut-overs.
- Standards compliance support.

CONTROL SYSTEM UPGRADES & MIGRATIONS

- Pre-feasibility stage consultation & risk management.

HAZARDOUS AREA CHECKS & COMPLIANCE AUDITS

- Accredited EEHA qualified personnel.
- Safety audits, compliance checks & dossiers.

FUNCTIONAL SAFETY (FS) ASSESSMENT & COMPLIANCE AUDITS

- FS design, maintenance, & operations life-cycles.
- Safety Integrity Level (SIL) assessments to IEC61508/61511, HAZOP/HAZOP studies.
- Safety Instrumented System (SIS) life-cycle.

INDUSTRIAL COMMUNICATIONS NETWORK

- Design, install, & commission to integrate operations.
- Wired & wireless network systems.
- Systems including DeviceNet-, ControlNet-, Profibus/Net-, Ethernet/IP- & Modbus-based systems.

PROJECT MANAGEMENT

- Complete project life-cycle benefits & support.
- Dedicated project management personnel.
- Process improvement consultation & reviews.
- Cost reduction & margin management.
- Factory Acceptance Test (FAT), installation, commissioning, & Site Acceptance Test (SAT)
- Quality assurance management.

SERVICE & SUPPORT

- 24 / 7 / 365 engineering support; on-site & remote
- Preventative maintenance programs.





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,
CHINA**

Furnace gas safety system upgrades.

**BLUESCOPE STEEL LIMITED,
PORT KEMBLA**

- Conversion of oven controls
- BOS wastewater treatment plant automation upgrade

SYDNEY TRAINS

Maintenance of the Bombo Quarry control systems.

SOUTH32 LIMITED

Appin Mine Gas Drainage Plant Control system stage one (1).

SNOWY HYDRO LIMITED

Control system upgrades.

ICON LIMITED WATER

Electrical design services.

TRILITY GROUP

Macarthur Water Filtration Plant upgrades.

ENERGY AUSTRALIA

Tallawarra Power Station Control system upgrade.

FRASER COAST REGIONAL COUNCIL

Upgrade of wastewater treatment plant.

100%

**AUSTRALIAN OWNED
& OPERATED**

38+

**YEARS OPERATING
SINCE 1986**

80+

**NUMBER OF TEAM
MEMBERS**

2

**OFFICES &
WORKSHOPS**

**INDUSTRY
EXPERTISE**

**QUALITY
PRODUCTS**