

Automation, Process Control and Industrial IT

Multiskilled Resources Australia understands the essential needs of continuously operating industrial plants.

We understand the need for operating systems to reliably and safely perform.

Our comprehensive team of experienced experts offer educated and intuitive solutions based on sound industry experience, enhanced through listening and catering for your desires.



multiskilled
RESOURCES
AUSTRALIA



OUR BOND

- ✓ **We meet our clients' needs**
- ✓ **We deliver educated, intuitive engineering solutions**
- ✓ **Our people are our strength**
- ✓ **We learn, develop and improve**
- ✓ **We listen and behave with integrity**
- ✓ **We work together and have fun**

Our Focus

We focus on the future, on revitalising existing operating systems and taking advantage of the rapidly advancing technologies and planning for the next stages of enhancement.

Our Skills

Our team delivers a broad range of electrical engineering and computer application services:

Multiskilled has and will deliver:

*Feasibility
Definition
Estimates
Concept
Specifications
Procurement
Management
Design Review
Implement*

*Commission
Interfaces
Documentation
Operator Training
Maintainer Training
Enhancement
Optimisation
Functional Safety*

The distinct advantage to you, our client, is the total skill package we provide, which delivers:

- ✓ Practical solutions rooted in sound experience
- ✓ Effective use of latest technologies
- ✓ Systems planned and catering for the future
- ✓ Flexible easy to use solutions
- ✓ Enhanced reliability and efficiency
- ✓ Alarm reporting that is specific and meaningful
- ✓ Structured and consistent code systematically developed on principles and guidelines established from the beginning
- ✓ Systems that meet safety requirements, programmed under functional safety compliant processes.

Our Team

Multiskilled provides you with a comprehensive team with the right blend of specialist experience and skills.

The team is not only experienced in industrial application of automation and control but also in the engineering of power systems and their related components



Functional Safety

Our team is trained and experienced in applying IEC61508 & IEC61511 to achieve practices and code that complies and meets Safety Integrity Levels and the needs of Functional Safety systems.

Our Experience In More Detail

We have extensive experience and full capability with the following PLC & SCADA Brands:

- ❖ Allen Bradley
- ❖ Schneider
- ❖ Siemens
- ❖ Texas Instruments

- ❖ Citect
- ❖ Adroit

We have experience and ability to work in other packages.

Significant Clients / Projects We Have Recently Performed:

PWCS / Bechtel

- ❖ Stackers
- ❖ Reclaimers
- ❖ Shiploaders
- ❖ Rail Unloading
- ❖ Conveyors / materials handling
- ❖ Coal handling and tracking
- ❖ Anti-collision to SIL2

Theissen Krupp

- ❖ Guide / coach their programmers for Stackers / Reclaimers

Abigroup

- ❖ Antienne Rail Unloader at Bayswater
- ❖ 5km conveyor, transfer points, rail unloading, bins and level control, long conveyor emergency stop system via safety rated PLC and appropriate architecture
- ❖ Control system in total from scratch to implementation and commission
- ❖ Data communications network design and implementation for both control and extended features like video surveillance, security, fire systems, computing in general

Macquarie Generation

- ❖ Enhancements and troubleshooting of control systems for Antienne

Xstrata

Bulga Coal

- ❖ Automated rail loading
- ❖ Refurbish of Prep plant control system to improve alarms resolution and suitability, data to data-warehouse

Ravensworth

- ❖ Weekly maintenance and enhancement of the control system



Peabody

Wambo Coal Prep Plat

- ❖ Implement Citect plant 2 business and management reporting applications
- ❖ Weekly maintenance and enhancement of the control system

Riotinto

Hunter Valley open Cut

- ❖ Investigate and document systems by others, fuel system at Lemington Mine
- ❖ Power monitoring for main open cut switchyard

Hunter Valley Loading Point

- ❖ Ongoing PLC & SCADA support for yard machines & materials handling control system

Tomago Aluminium

- ❖ Programming Siemens PLCs for plant control

Hydro aluminium KurriKurri

- ❖ Refurbishment and enhancement of Citect systems and PLCs

PACE Farms

- ❖ Various projects with PLC / SCADA.

Onesteel

- ❖ Optimise and correct operation of machinery at Rooti Hill plant