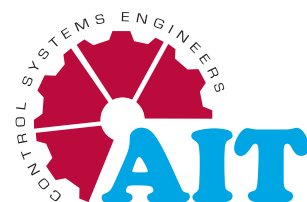




Automation**IT**

Company**PROFILE.**





# AutomationIT

Founded in July 2000, Automation IT specialises in electrical and control systems engineering for a diverse range of hardware platforms and applications.

We are a recognised systems integrator with all the major PLC and SCADA vendors, offering trained network and engineering professionals for custom product solutions from project management and conceptual design through to final site commissioning, upgrades and 24x7 support. Power & energy, mining, water & waste-water and infrastructure are all covered.

We employ registered professional engineers (RPEQ's) and TUV Rheinland (Machinery) certified functional safety engineers to reinforce our customer commitment to providing a quality

service and ensuring our customers are informed and up to date with the latest trends in automation legislation.

It's no wonder we are gaining a long list of achievements including dual finalist for PACE Zenith Awards, nominations to IEAust for Engineering Excellence, highest Queensland sales and Integration partner of the year.

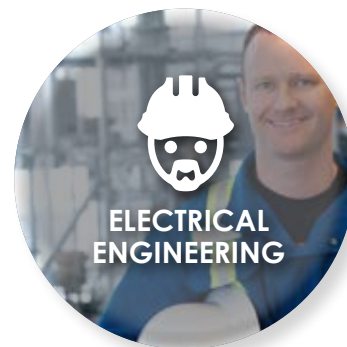
Together with our team of professional engineers and experience in the field we are able to offer you a complete solution across many industries.



PLC & IO DEVICES



SCADA



ELECTRICAL ENGINEERING



FUNCTIONAL SAFETY



ENERGY MANAGEMENT



CHANGE MANAGEMENT



PROJECT MANAGEMENT



MES

## OurPARTNERS.

Automation IT recognises the need to develop alliances with other key product companies. We work closely with the following manufacturers to ensure we provide customers with the very best in control system integration.



Through continued improvement in all aspects of our business we aim to provide sustainable growth, mutually beneficial partnerships with our suppliers and customers and become a leader in the field of automation services.

A quality assured company, Automation IT have obtained certifications in Environmental and Occupational Health and Safety Management systems. We are committed to providing customer satisfaction with the highest quality of goods and services, whilst considering our people and the environment.





# KeyPROJECTS.

# IndustryREACH.

**Amtor**  
Manufacturing | Control systems upgrades

**Anglo Coal**  
Mining | Substations, Ventilation control, Conveyors, Software change management

**BHP Billiton**  
Mining | BHP Mooka Ore Car Repair Shop

**BHP Billiton Mitsubishi Alliance (BMA Coal)**  
Mining | Dragline and Process Improvement

**Cassowary Coast Regional Council**  
Water | Innisfail WWTP

**Cummins**  
Infrastructure | Brisbane Airport  
Energy | Muja Power Station

**Eagle Downs Coal**  
Mining | PCS Standards

**ESKO**  
Food & Beverage | Golden Circle - Retort Systems

**Hatch**  
Power | Ranger Power Station

**John Goss Projects**  
Infrastructure | Cairns Base Hospital

**KLM**  
Infrastructure | PA Hospital TRI

**Logan City Council**  
Water | Waste Water Treatment

**Nilsen**  
Infrastructure | Perth Children's Hospital

**PSG**  
Infrastructure | Brisbane Supreme Court  
& Gold Coast University Hospital

**QLD Urban Utilities**  
Water | Water Treatment Plant Upgrades

**Rio Tinto**  
Mining | Weipa Town Water & Process Control  
Energy | Power Station Common Services

**Stowe Australia**  
Energy | Gatton Prison Standby Power



## POWER & ENERGY

With a vast array of power generation projects completed, Automation IT has the experience to implement a low risk proven solution in order to make your next power project a glowing success.

We cover all aspects in power control and monitoring from large distribution transformers and high voltage switchgear through to complete renewable energy power stations including major upgrades of turbines and reciprocating engines.

- Engine & turbine automation
- Cooling control
- Oil lube systems and purification
- Fuel regulation
- Generator load control
- Auxiliary control sequencing
- Power transformers
- Voltage regulation
- Control system audits
- Remote site support



## WATER

Maintaining an adequate and high quality water supply is a significant focus of modern society with governments and private organisations investing millions of dollars improving infrastructure.

Automation IT has played significant roles in several key projects designed to improve water re-use. With experience in all types of water & waste water treatment, pumping and re-use, we are ready to meet the challenges of this industry now and into the future.

- Inlet works
- Aeration
- Clarifiers
- Digesters
- Bio reactors
- Dosing systems
- UV disinfection
- Filtration
- Reverse osmosis
- pH control



## MINING

Automation IT has extensive experience in the Australian mining industry including open cut, underground and longwall mining.

Many projects have been safely completed in the metalliferous, coal and oil & gas industries with excellent customer feedback and a high percentage of repeat business.

- Production monitoring
- Oil lubrication
- Conveyor systems
- Process water
- Fuel farms
- SAG mills
- Crushing plants
- Draglines
- Shovels
- Longwalls
- Shiploaders
- Product stackers/ reclaimers
- ROM (run of mine)
- Coal preparation plants



## FOOD & BEVERAGE

From fully automated production lines to labour intensive abattoirs, 'Food & Beverage' is highly dynamic yet always demanding. Automation IT boasts a substantial track record in providing solutions for both automated production lines and stand alone machines.

Whether it is solutions for abattoirs or beverage plants and packaging lines, we can assist. Most applications are well suited for our integrated MES/ERP reporting solutions and web based monitoring facilities.

- Cold storage
- Hot water baths
- Temperature control
- Cooking lines
- Food manufacture & small goods
- Packaging lines
- Meat processing
- Batch processing



## INFRASTRUCTURE

Critical modern facilities such as hospitals and airports rely on a secure and reliable power supply. Automation IT designs and installs custom network control systems (NCS) to manage facility load, electrical reticulation/switching, standby generation and network fault identification.

Control functionality caters for main incoming power supply failures ensuring the building's vital operations continue to function even during a mains power failure.

The NCS can be easily interfaced to Building Management Systems, Energy Management Systems and/ or Generator Control Systems to enable decision makers to take appropriate actions minimising disruptions and maximising efficiency & safety.

**TEW Solutions**  
Water | SEQ Water Image Flat WTP

**Unity Water**  
Water | SCADA Outstation Upgrade

**Wesfarmers**  
Mining | Borefields & Process Water

“

Automation IT conducted themselves very professionally which was very evident in the work performed for us. Well done and many thanks again.

”

# OurSERVICES.



Automation IT provides a dedicated 24/7 support service that includes:

- Telephone support
- Remote dial-in support
- Site support

We provide all facets of electrical and control system engineering services from project management and conceptual design right through to final site commissioning.

“

*With tight deadlines, Automation IT made the resources available to ensure the project could be completed within our required time frame. We will definitely continue to use them for future work.*

”

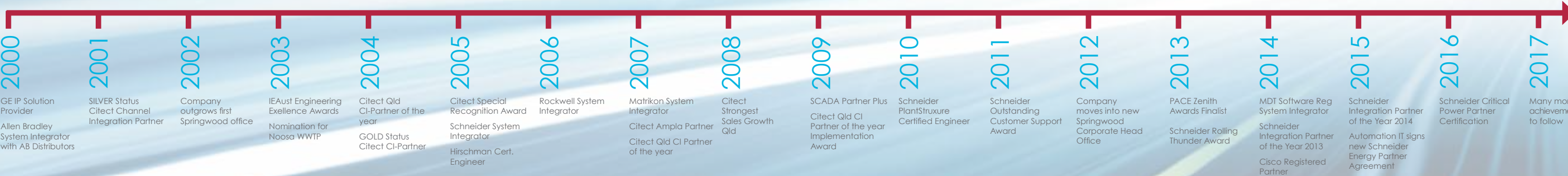


## TURN-KEY SERVICES

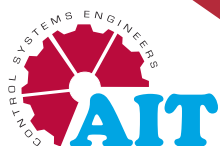
Engineering services	Professional certification services	Energy management services	Training services	Function safety services	Process improvement	Change management	Condition monitoring
<ul style="list-style-type: none"><li>• PLC &amp; SCADA</li><li>• High voltage control</li><li>• Process control</li><li>• Electrical design</li><li>• Installation</li><li>• Drafting</li><li>• Site simulation</li><li>• Radio surveys</li><li>• SMS paging systems</li><li>• Network design</li></ul>	<ul style="list-style-type: none"><li>• RPEQ/IEAUST/CPENG/NPER certifications</li><li>• Existing installation audit</li><li>• Power system study &amp; topology</li><li>• Fault levels &amp; short circuit</li><li>• Protection coordination &amp; load flow</li><li>• Maximum demand &amp; voltage drop calculations</li><li>• Earth fault loop impedance</li><li>• Touch &amp; step potential calculations</li><li>• Arc flash study</li></ul>	<ul style="list-style-type: none"><li>• Reduce your environmental impact</li><li>• View electricity, water and gas usage</li><li>• Save energy resources and costs</li><li>• Utilise 'CheckmAIT', an automated meter reading system</li><li>• Cloud based monitoring</li><li>• Power quality analysis</li><li>• Identify supply issues</li></ul>	<ul style="list-style-type: none"><li>• Tailored courses</li><li>• Experienced instructors</li><li>• PLC &amp; SCADA for most major brands</li><li>• Software &amp; hardware</li></ul>	<ul style="list-style-type: none"><li>• TUV Rheinland certified engineers</li><li>• Risk Assessment to ISO 12100</li><li>• Functional safety processes</li><li>• Machine safety compliant</li><li>• AS4024, IEC62061, ISO13849, IEC61508, IEC61511</li><li>• SIL &amp; PL assessments</li></ul>	<ul style="list-style-type: none"><li>• Identify bottlenecks</li><li>• Analyse &amp; improve processes</li><li>• increase efficiency, reduce downtime</li><li>• Full reporting to undertake action</li></ul>	<ul style="list-style-type: none"><li>• View all information from one location</li><li>• Consolidate data and make change</li><li>• Maintain, compare and create data</li></ul>	<ul style="list-style-type: none"><li>• Monitor equipment for failure</li><li>• Scheduled maintenance through conditional monitoring</li></ul>

## MANUFACTURING EXECUTION SYSTEMS (MES) & IT

# OurACHIEVEMENTS.







[www.automationit.com](http://www.automationit.com)

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