

Company Overview

Background

Automation is the way of the future...

Auto Control Systems was founded by John Watts in January 2006. The company has had steady organic growth since its inception and currently employs 27 fulltime staff. Auto Control Systems' growth has come as a result of; promises kept, quality of work delivered, high levels of integrity and most of all, from referrals from our constantly growing loyal customer base. Auto Control Systems is located in Welshpool with its office and workshop covering a floor space of around 1800m². Auto Control Systems remains a fully Western Australian owned and operated business.

Auto Control Systems firmly believes that principles are more important than policies. We work on the principle that integrity, honesty and fairness further cement the loyalty we enjoy from our customers.

Auto Control Systems' customer consists predominately of Western Australian mining and resources sector companies with a growing number of industrial clients. However, many of our solutions can also be found at our overseas customers' premises in places like New Zealand, Papua New Guinea, Russia, Indonesia, Japan, Thailand, USA and other countries

Our team of professional engineers, with extensive skills and experience extend to our customers the certainty that Auto Control Systems can competently execute large and challenging engineering projects. Auto Control Systems also employ a team of trades-people, technical specialists and office staff so to complement the engineers and provide a better control of deliverables in any project undertaken.

Mission Statement

Treat every customer is such a remarkable way that when the transaction is completed, the customer will tell at least one person how excellent it was.

After all, it is the customers' opinions that matters.

Vision

Auto Control Systems shall be known by all buyers and potential buyers of automation systems as the most reliable, trustworthy and honourable supplier of automation systems. Moreover, Auto Control Systems shall be known as the supplier that provides best value for money.

It's about you

Our clients enjoy reduced operational costs because we know how to design, build and deliver high quality and highly reliable automation and control solutions. Auto Control Systems' speciality is to design Automation and Control Systems that brings cost savings and other quantifiable benefits e.g. increased productivity, more constant and a considerable increase in quality, better control of raw materials used, energy efficiency and higher yield per employee. Moreover, there are always the harder to quantify benefits such as increased production flexibility and convertibility, worker satisfaction, employee well-being and improved record keeping.

The big picture

Auto Control Systems provides solutions that typically include some or all of the following elements:

- Programmable Logic Controllers (PLC)
- Distributed Control Systems (DCS)
- Instrumentation
- Electric Motors
- Variable Speed Drives (VSD)
- Worker Safety
- Scales
- Power Factor Correction

Moreover, our solutions typically utilise our staff for Engineering, Manufacturing, Assembly, Commissioning and Electrical Contracting.

Auto Control Systems is a single point of contact for all of your automation, instrumentation and electrical requirements. Auto Control Systems employees have together the skills and experience required to successfully take an automation systems project from concept all the way through to installation, commissioning and maintenance.

Auto Control Systems successfully delivers Automation Solutions for a broad range of verticals including; explosives manufacturing, surface and underground mining, food and beverage production and industrial manufacturing.

Auto Control Systems' employees have the skills, experience and the resources to go beyond your expectations.

Quality Assurance

We are continuously developing and refining our processes and procedures in addition to formulating and documenting our own quality assurance and management system. Auto Control Systems are moving to become ISO9001 certified and compliant. Although we have not yet obtained this certification, companies like Woodside, Rio Tinto, Orica and International Explosives Equipment, have scrutinised and assessed our quality assurance and management system and found it to be of so high levels that we are repeatedly offered to deliver work that are critical to the above mentioned companies.

Workers Compensation / Public Liability / Professional Indemnity

Auto Control Systems maintains Workers Compensation for all its employees and holds Public and Products Liability cover currently for \$20,000,000 and Worker's Compensation and common law liability of \$50,000,000.

Services

Auto Control Systems has three departments supporting and complementing each other so to be able to offer our clients turnkey solutions. Some, especially smaller, jobs may however only require the services from one of the departments.

Engineering

Our engineering department offers engineering and drafting services from the concept and design stages through to installation and commissioning. With the engineering department liaising with our other departments during all stages of the design process, projects are delivered with a first-class level of quality and performance.

Depending on your requirements, we can provide a full suite of services from the initial concept through to delivery and installation or simply produce the engineering schematics for your project as a contract based agreement.

- Turnkey engineering solutions
- Electrical and instrumentation control systems
- Distributed Control Systems (DCS)
- Programmable Logic Controllers (PLC)
- Screen based control systems
- Custom designed hardware and software
- Tank level, batching and loading systems
- Project management and supervision
- Electrical drawings (CAD)
- Technical manual writing

Electrical & Instrumentation

The Electrical & Instrumentation team are experts at designing and deploying projects of any size from our well equipped workshop. We also carry out onsite installations or repairs to any system.

With a fleet of vehicles ready to go, we can quickly and easily respond to urgent callouts whether they be small or large. We can even arrange regular visits to onsite systems to ensure smooth running of your equipment and a minimum of downtime.

Our A-Grade Electrical Mechanics and Instrument Technicians are conversant on all equipment from variable speed drives to PLC wiring and instrumentation to HMI's (Human, Machine Interface screens).

- Automation and control systems to suit any application
- Electrical Contracting (EC 8391)
- Commercial, industrial and mining projects
- New installations, maintenance and upgrades
- Commissioning services
- Process and PLC control panels
- Instrumentation installations, servicing and repair work
- General panel building and wiring service from motor starters and pump controllers to plant control systems
- Mobile service units for onsite requirements
- Professional wiring diagrams and manuals available on job completion

Automotive

The Auto Electrical Department are International experts in their field, exporting products all over the world. Systems we have built operate in Siberia in temperatures below -40°C, Australian deserts at over 50°C and underground in extreme humidity and heat.

The team is innovative with skills and knowledge to produce results for any requirement. With in-house backing from Engineers, Instrument Technicians, PLC programmers, Draftsmen and A-Grade Electrical Mechanics our solutions are not limited.

We specialise in all aspects of Mining, Transport, Marine, Agricultural and Heavy Industry. We are able to design, produce, install and maintain any type of system, from rudimentary warning lights and switches to PLC control, remote controls, data logging, scales, automation and CAN Bus Systems. Our Auto Electrical products and services include:

- Automotive automation and control systems to suit any application
- Automotive and machinery upgrade including mine site specification
- Engine and machine protection, monitoring and shutdown systems
- Supply and installation of Batteries, Starter Motors and Alternators
- Auto Electrical accessories including lighting and communications
- Supply and installation of Load Weighing systems
- Monitoring and Reversing Camera systems supply and installation.
- Mobile service units for onsite requirements
- Electrical Rebuilds on trucks , CAT, Komatsu and Sandvik equipment

Electrical Repairs

Auto Control Systems' electricians, engineers, technicians and other staff represent a wealth of knowledge that can be applied to troubleshooting, fault finding and the subsequent repairs of electrical equipment, machinery and systems.

After Hours Service

Auto Control Systems can as agreed upon with each client provide 24/7 Emergency support from technical staff.

Product Sales

Auto Control Systems are proud to be associated with the following world leading manufacturers:

- ABB
- Allen-Bradley (Rockwell Automation)
- Endress + Hauser
- Schneider
- Axelent
- Hella
- IFM
- Tamtron
- + many lesser well known manufacturers

Mechanical work

Auto Control Systems perform some minor mechanical work as part of installation or repair work that we undertake. Some of our customers also supply us with goods and services.

Research and Development

Auto Control Systems spend time and resources developing OEM solutions.

Safety Systems

Auto Control Systems' team can provide complete solutions for machine and plant safety. Auto Control Systems' staff can:

- Assist with risk assessments, hazard identification and analysis
- Compliance test new and existing plant and equipment to relevant Australian standards
- Machine stop time testing for determination of safety distance and plant performance monitoring
- Design and install mechanical guarding and electrical interlock using parts and accessories from world leading manufacturers.

Interesting Projects Summaries

Project name: Wireless gate monitoring system

Project location: WA
Year of supply: 2009
Buyers name (Company): BHP
Contract value: \$100,000 to \$500,000
Product supplied: Wireless Automation system

Project name: Emulsion plant

Project location: Russia
Year of supply: 2009
Buyers name (Company): International Explosives Equipment
Contract value: \$100,000 to \$500,000
Product supplied: Plant control system and electrical

Project name: Lihir Emulsion plant

Project location: Papua New Guinea
Year of supply: 2008
Buyers name (Company): Parsons Brinckerhoff
Contract value: Under \$100,000
Product supplied: Control system design and programming

Project name: Smart Charging Truck

Project location: WA
Year of supply: 2009
Buyers name (Company): Rio Tinto
Contract value: \$100,000 to \$500,000
Product supplied: Automation System

Project name: Woodside Pluto Gas storage heat trace control system

Project location: WA
Year of supply: 2009
Buyers name (Company): CB&I
Contract value: \$100,000 to \$500,000
Product supplied: Control system

Project name: Boddington Bauxite Heavy vehicle wash down bay

Project location: WA
Year of supply: 2008
Buyers name (Company): VDM
Contract value: Under \$100,000
Product supplied: Electrical design

Project name: Roll Former upgrade

Project location: WA
Year of supply: 2010
Buyers name (Company): Solahart (Rheem)
Contract value: \$100,000 to \$500,000
Product supplied: Automation System / CAT III Safety system

Project name: Mill Control System upgrade

Project location: Malaysia
Year of supply: 2009
Buyers name (Company): FLSmidth
Contract value: Under \$100,000
Product supplied: Control System panel building

Project name: Bagging machine safety

Project location: WA
Year of supply: 2010
Buyers name (Company): CSR
Contract value: Under \$100,000
Product supplied: Machine Guarding and upgrade to safety system