

# Capability Statement

28 Oct 2020

# ATSYS PTY LTD



## INDUSTRIES SERVED

CLEAN ENERGY

CONSTRUCTION &  
ENGINEERING

DEFENCE

IT &  
COMMUNICATIONS

MINING

OIL, GAS & ENERGY

PROFESSIONAL  
SERVICES

WATER

## Company Details

**Address:** 5 King William Road  
Unley SA, 5061 Australia

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**Email:** sales@atsys.com.au

**Web:** www.atsys.com.au

**ICN Gateway Company ID:** 75278

**Employees:** 70

**ABN:** 26 040 813 665

**Locations:** 2

**Local Manufacturer:** No

**Foreign Manufacturer:** No

**Importer:** No

**Exporter:** No

**NT CAL Accredited:** No

**Works in Remote Locations:** Yes

**Australian Indigenous Owned:** No

## Contacts

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## Consulting & Design

Our teams expertise and industry knowledge provides our customers with reliable, unbiased support and direction when they need it most.

### Summary

ATSYS is a provider of solutions for process control systems, electrical systems and digital systems. We deliver

these solutions through full lifecycle support from consulting, project delivery through to operational support.

### Description

#### Consulting & Design

Our teams expertise and industry knowledge provides our customers with reliable, unbiased support and direction when they need it most. We can manage the pre-implementation phase of a project through auditing, feasibility studies, concept design, electrical design, functional specifications and planning to reduce risk and meet business objectives.

We can provide auditing services and create concise reports of customers control systems to improve efficiency, implement energy savings or meet environmental objectives.

We have vast experience in creating design and functional specifications, selecting appropriate hardware and software to meet our customers budgets, expectations and unique requirements.

#### Project Management

Delivering large and complex projects to stakeholders with the constraints of time, cost and resources relies on our proven capability in the scheduling, planning, organising and implementing quality control in all our projects.

Our Integrated Management System (IMS) contains processes and procedures to monitor project success and deliver projects of the highest quality.

We strive to always communicate with our customer and provide them with regular progress reports. Our team is results focused and determined to deliver projects on time and on budget.

#### Engineering Services

We have extensive experience in the implementation of control system solutions. The execution of our projects include design, programming, factory acceptance testing (FAT), site acceptance testing (SAT), commissioning, training, support and documentation.

We are flexible in the delivery method of our services with options such as principal contractor, sub-contractor to electrical contractors and sub-consultants to engineering consultancies.

We are also flexible in the commercial arrangements which include lump sum contracts and engineering service agreements on a rates basis.

## Solutions

Based on our experience we are able to offer solutions such as Turnkey Systems, OEM Equipment, Greenfields Systems, System Upgrades & Modernisation, System Expansions, Maintenance and Support.

Our innovative team aims to provide solutions that deliver value and lowers the total cost of ownership. This often incorporates the latest technology implemented according to vendor guidelines. This reduces the cost of implementation and ongoing maintenance. Our solutions are designed using technology that is scalable and supportable using open standards.

### PLC/PAC/RTU

The heart of an automation system is the logic in the PLC (Programmable Logic Controller). ATSys are experienced in programming all major brands of PLC from small controllers with a few I/O to modern PAC (Programmable Automation Controller) systems with thousands of I/O.

We are specialists in communications and interfacing between systems. We have extensive experience with all major protocols and remote I/O systems.

We develop software that is modular and reusable which reduces development costs and improves ongoing maintainability. We are happy to conform to any standards/conventions as required.

### SCADA/HMI

The primary interface to process control systems in industry is the SCADA (Supervisory Control and Data Acquisition) system. We are experienced in developing software for SCADA and HMI systems from stand-alone touch-screen systems to large networked systems with features such as redundancy, multiple clients and multi-monitor support.

We design all SCADA/HMI systems to be userfriendly and intuitive. We use standard features of the underlying system to ensure that the system is maintainable and scalable well into the future. We are experienced in telemetry communications and implementation of open standards such as OPC.

## Associations

- > Control Systems Integrators Association
- > GE Intelligent Platforms Solution Provider
- > Microsoft Certified Partner
- > Rockwell Automation Solution Provider
- > Schneider Electric Alliance Integrator Partner

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## Products & Services

- > Process Control Systems
- > Electrical Systems
- > Digital Systems
- > Consulting
- > Project Delivery
- > Operational Support

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## Facilities and Equipment

- > Adelaide
- > Brisbane

## Industries Served

- > Clean Energy
- > Construction & Engineering
- > Defence
- > IT & Communications
- > Mining
- > Oil, Gas & Energy
- > Professional Services
- > Water

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## Major Clients

- > Adelaide Aqua
- > BHP
- > Dalrymple Bay Coal Terminal
- > Department of Defence
- > Fyfe Engineering
- > GHD
- > ICE Engineering
- > Irribiz
- > Lion Nathan
- > SA Water
- > Santos
- > Schneider Electric
- > Vale
- > Veolia Water Technologies & Solutions
- > Viterra

## Accreditations

- > Rockwell Automation System Integrator
- > Schnedier Electric Alliance Integration Partner
- > AVEVA Solution Partner
- > OSIsoft Partner
- > GE Digital Solution Provider
- > Microsoft Gold Partner

## Previous Significant Projects

**2020**

### **Modernisation of BMA Control System \$300,000**

**Client: BHP Mitsubishi Alliance (BMA)**

ATSYS were engaged by BMA to investigate and consider the modernisation of all legacy fixed plant control system hardware, instrumentation and interfaces with other systems, such as switchboards, motor control centres and packaged plant, across the Hay Point asset. The study involved the investigation, quantification and qualification of upgrade paths for all in-scope obsolete fixed plant control system equipment.

**2019**

### **CSP Replacement (PLC-5 Migration) Project \$2,500,000**

**Client: BHP**

BHP and ATSYS have been working together since 2017 to upgrade existing 'high risk' PLC-5 control systems to the new ControlLogix platform at the Olympic Dam site. ATSYS are the preferred contractor to perform these works having expert knowledge in safely and efficiently migrating these systems with minimal plant outage. The conversion uses the ATSYS PLC-5 to CLX Conversion Post-Processing Tool to significantly reduces the manual effort and errors from the migration process

**2018**

### **Northern Adelaide Irrigation Scheme (NAIS) \$7,500,000**

**Client: SA Water**

The purpose of the project was to expand the beneficial use of recycled water through the augmentation of the Bolivar Wastewater Treatment Plant. This involved increasing winter water storage capacity and the development of a new distribution network for horticultural irrigation in the Northern Adelaide Plains.

ATSYS scope included the design and supply of 4 switchrooms, LV switchboards, MCCs & control panels, all electrical field installation, programming, FAT and commissioning

**2020**

### **SCADA Replacement Project \$700,000**

**Client: Epic Energy**

ATSYS was chosen to undertake the migration to a new Honeywell Experion PKS SCADA platform. ATSYS used their previous experience with SCADA conversions to develop automated tag and graphics conversion tools. These automated tools allowed the SCADA conversion to be completed in less time with fewer errors. The testing period was significantly reduced and provided a high level of confidence with the SCADA system users.

**2019**

### **R8000 New Air Combat Capability Project (NACC) \$1,500,000**

**Client: Southern Cross Electrical Engineering,  
Lend Lease, Department of Defence**

ATSYS were engaged by the HV Electrical Contractor to design, supply and commission a new Power Control & Monitoring System (PCMS) and Substation Automation System (SAS) for the RAAF Base at Tindal.

Our works included the design and fabrication of 10 new PCMS panels to provide power monitoring and loadshed control of LV power supply. We also designed a new Substation Automation System to provide HV monitoring and control 3 key points in the HV network using the IEC 61850 protocol

**2015**

**Cement Austalia Facility Adelaide  
\$2,000,000**

**Client: Ahrens**

Working closely with Ahrens the constructor, ATSys provided the complete Turn-Key Electrical solution. This entailed complete industrial Electrical Control and Automation services. Including design, installation and PLC SCADA programming.

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**2014**

**Ethelton Waste Water Pump Station Upgrade  
\$500,000**

**Client: SA Water - Guider O'Conner**

Working closely with Guider O'Conner the constructor, ATSys provided the complete Turn-Key Electrical solution. This entailed complete industrial Electrical Control and Automation services. Including design, installation and PLC SCADA programming.

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**2014**

**Santos GLNG  
\$1,000,000**

**Client: Santos Emerson**

Provide Electrical Automation services for Santos's gas wellheads, metering, gathering systems, pumping facilities, separation facilities and compressor stations as part of the GLNG Project

**2017**

**AIR7000 - Phase 2B - Maritime Patrol Aircraft  
Replacement  
\$700,000**

**Client: Nilsen, Lend Lease, Department of  
Defence**

ATSYS were engaged by the HV Electrical Contractor to design, supply and commission an upgrade of the Power Control & Monitoring System (PCMS) for the RAAF Base at Edinburgh.

Our works included the design and fabrication of 5 new PCMS panels to provide power monitoring and loadshed control of LV power supply. We also augmented an existing Generator Control System (GCS) to include monitoring and control of a new HV supply ring around the base.

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**2014**

**Olympic Dam Historian Migration  
\$250,000**

**Client: BHP Billiton**

Working closely with BHPB and Rockwell Automation the Historian vendor, ATSys was engaged to consult and develop a migration strategy for simplification of their existing enterprise landscape.

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**2014**

**Wingfield Waste Water Pump Station Upgrade  
\$500,000**

**Client: SA Water - Leed Engineering**

Working closely with Leed Engineering the constructor, ATSys provided the complete Turn-Key Electrical solution. This entailed complete industrial Electrical Control and Automation services. Including design, installation and PLC SCADA programming.





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