



# PSA Engineering Capability Statement



# PSA Engineering - Our Capability

## Leaders in Safety, Experts in Automation

We build long-term relationships with industrial partners to deliver innovative, integrated and compliant engineering solutions. It's our firm belief that there's a solution to every problem. It's a conviction backed by the depth and breadth of our engineering expertise. Our extensive capability drives outcomes and helps us deliver the best solution for our clients.

### Capability



#### Functional safety

As industry leaders in functional safety, PSA Engineering works closely with every client to deliver solutions that solve the most complex safety issues. Our highly experienced team of TÜV certified engineers delivers end-user focused solutions built to protect your systems, environment and most importantly, your people. With capability spanning the full functional safety lifecycle, our service includes both machine safety and process safety.



#### Automation and control

Automation has been at the core of PSA Engineering's business since 2007. We work with you to optimise data collection, deliver reliability, ensure safety, reduce environmental impact and boost productivity. Our team integrates the best available technology, including smart field devices, Supervisory Control and Data Acquisition (SCADA), Distributed Control System (DCS) and Programmable Logic Controllers (PLCs) platforms and maintenance management systems.



#### Digital solutions

We partner with our clients throughout the digital transformation journey, implementing a step by step technology strategy that guarantees safe and secure system architecture. Our expert team includes leading cybersecurity specialists and we pride ourselves on our ability to bridge the IT/OT gap and deliver innovative digital solutions that keep your operations continually connected. We prepare you for the opportunities of Industry 4.0 with next-generation system integration.



#### Turnkey solutions

Our end-to-end turnkey capability includes project engineering, demolition, construction, manufacturing, testing, installation and commission, and we're ideally placed to deliver specialised projects that require a multidisciplinary engineering approach. We also provide onsite project management, including mechanical, civil and structural engineering. Our 200m2 workshop is purpose-built for the design and manufacturing of industrial control panels and custom control system components.



#### Electrical systems

We work across all industries to deliver safe and compliant electrical systems. Our capability includes power system modelling, installation, testing and electrical systems for hazardous areas. We design and manufacture large scale electrical installations in our 200m2 purpose-built workshop. With unrivalled experience, our team includes safety engineers as well as skilled hazards contractors and field technicians.



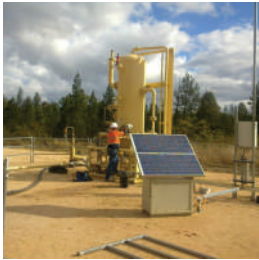
# Industries we Service



## Oil & gas

We've been working with the biggest names in the coal seam gas sector for over a decade. As an early provider to the oil and gas sector, PSA Engineering forged a reputation as a technical leader in coal seam gas control systems.

Our proven track record in the oil and gas industry underscores our commitment to providing safe and reliable solutions that maximise production and optimise operations. We use the world's leading technologies to transform your operations by reducing environmental impact and improving safety, reliability and efficiency.



## Mining

We utilise leading technology to build integrated engineering and digital solutions designed to mitigate risk, reduce environmental impact, ensure reliability and boost productivity. Our highly skilled team members are experts in automation and leaders in functional safety. We have extensive experience in planning and executing shutdowns and in working to tight schedules so you can resume operations quickly and fulfil your contractual requirements. PSA Engineering is ideally placed to deliver specialised projects that require a multidisciplinary engineering approach. Our full end-to-end turnkey solution includes project engineering, construction, manufacturing, testing, installation and commissioning.



## Utilities

We work with water utilities and local councils to deliver automation and secure digital solutions that drive efficiency and ensure the right information is always on hand.

As the world becomes more connected, advances in automation and digital technologies bring forward a new set of security challenges.

At PSA Engineering, we build robust cybersecurity protocols into every digital solution we deliver. Our team of experts can help you achieve safe and secure operations so you can embrace IIoT with confidence.

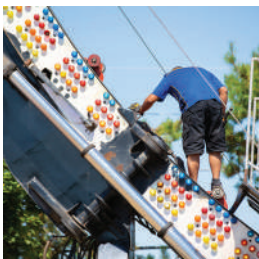


## Power generation & renewables

Efficiency and reliability are the keys to keeping costs in check for power providers. We deliver safe and compliant integrated automation and digital solutions to optimise plant operations.

Whether you require an upgrade to legacy equipment or an end-to-end solution tailored to your operations, we can meet your goals.

Our expert team seamlessly integrates world-class technologies to deliver integrated engineering and digital solutions that increase visibility, drive efficiency and avoid unplanned downtime.



## Amusement parks

PSA Engineering has a proven track record working with Australia's leading amusement park operators and has achieved the highest levels of compliance.

In fact, PSA Engineering is the first company to complete the design verification of a major amusement ride to meet the Queensland Government's stricter safety requirements. As industry leaders in functional safety, we deliver solutions that solve the most complex safety issues. Our team of TÜV certified engineers delivers full lifecycle functional safety services that include both machine safety and process safety.



## Transport infrastructure

We'll deliver a system integration roadmap to show you exactly where you're heading. Our highly qualified engineers consistently deliver secure operational system designs and upgrades that are scalable and easily integrated into your existing operations. Plus, PSA Engineering has a proven track record and unrivalled expertise in functional safety. Our highly experienced team of TÜV certified engineers delivers integrated engineering solutions which comply with Australian engineering and construction standards and are built to protect your system.



## Manufacturing

Our smart manufacturing solutions integrate the best available technology, delivering you real-time data so you can make the continuous improvements you need to improve throughput, ensure quality, lower production costs and boost productivity. PSA Engineering offers end-to-end integrated turnkey solutions that run full cycle from control system design to implementation, programming, commissioning and maintenance. We have the capability to manufacture specialised panels in our dedicated workshop.



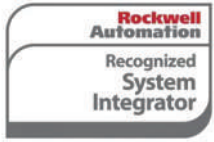
## Defence

PSA Engineering is ideally placed to deliver on the strict requirements and compliance levels of the defence industry. As industry leaders in automation and control, we've been delivering safe and compliant integrated engineering solutions for over a decade. We are tri-certified with international certifying body Si Qual for quality, OH&S and environmental management systems. As an ISO9001 certified company, we guarantee compliance, work to all Australian Standards and retain a demonstrated, long-standing safety record.



# Technology Partners

PSA Engineering is a preferred integration partner with the world's leading technology vendors. As an independent, vendor agnostic provider, we guarantee to always choose the technology that is the best fit for your project. We tailor every solution to your exact requirements and standards.



## Rockwell

### Rockwell Automation System Integrator Partner

As the largest company in the world dedicated to industrial automation and information, Rockwell Automation makes its customers more productive and the world more sustainable. With products recognised for excellence across the globe, Rockwell Automation has a keen focus on technology innovation, domain expertise and integrity.



## Schneider Electric

### Schneider Alliance Integration Partner

Schneider's purpose is to empower all to make the most of our energy and resources, bridging progress and sustainability for all. Schneider Electric develops connected technologies and solutions to manage energy and process in ways that are safe, reliable, efficient and sustainable.

The group invests in research and development in order to sustain innovation and differentiation, with a strong commitment to sustainable development.

## Honeywell

## Honeywell

### Approved Partner

Honeywell International Inc, is a worldwide leading, diversified technology and manufacturing inventor and provider. The company operates through four segments: Aerospace, Home and Building Technologies, Performance Materials and Technologies, and Safety and Productivity Solutions and is essentially changing the world we live in, making processes smarter and safer.



## Pilz

### Approved Integrator

Pilz is a leader in safe automation technology. The objective of Pilz is to automate plant and machinery in such a way that the safety of human, machine and environment is always guaranteed.

Pilz offers complete automation solutions based around the core skill of safety – from sensor technology to control and actuator technology, Pilz solutions merge safety and automation into one solution.



## MetSolv Metering Systems

### Metsolv Technology Partner

Our sister company and technology partner, MetSolv, expands our capability, allowing us to offer our clients sophisticated measurement solutions.

MetSolv provides specialist metering solutions to industry leading companies in the energy, resources and utilities sectors, transforming businesses through the design, management and verification of tailored metering systems.





## Contact PSA Engineering today

PSA Engineering delivers innovative, integrated and compliant engineering solutions. Working closely with every client, our team transforms advanced technologies into innovative solutions that solve complex automation, communication and safety challenges.

Get in touch with our expert team.

Phone Number  
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