



CAPABILITY STATEMENT

SPECIALISED | POWER | AUTOMATION | RESOURCING | CONTROL

Electrical & Instrumentation Services | EC17682 | Perth, Western Australia | www.sparcsystems.com.au | Tel: 08 6386 0410

ABN: 98 696 458 116

ABOUT SPARC SYSTEMS

SPARC Systems delivers expert electrical, instrumentation and hazardous areas services across WA's industrial and commercial sectors. We power precision, automation and control, delivering the reliability and performance your operation depends on.

SPARC Systems is the partner you need. Our dedicated, full-time team delivers electrical and instrumentation work across multiple industry sectors, backed by the kind of hands-on experience that only two decades on the tools can build. We move seamlessly between blue-collar and white-collar roles, from completing an installation to seconding as supervisor onto your next major project, so you can get the whole package from one team.

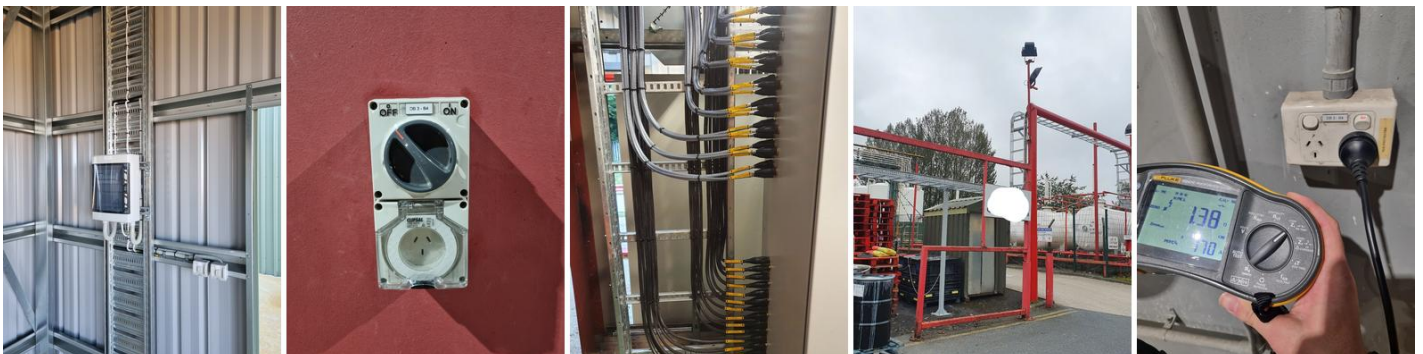
Being flexible but detailed in our approach is what we pride ourselves on. We have the correct tooling, we appreciate and acknowledge site rules and standards, and build a close relationship with clients.

We pride ourselves on end-to-end completion. Every project is safely completed to the highest standard, left clean and tidy, and seen through to the end with no exceptions. If you want a team that treats every job, big or small, with the same care and precision, get in touch.

CORE SERVICES

Fixed electrical design & installation

- Cable containment, cabling, glanding, terminations, LV distribution, ELV, OEM equipment installation.
- Machine installation or relocation - from small OEM installations or a full production line install.
- New and upgrading of LV distribution boards - From main incoming panel boards to small distribution boards.



Instrumentation installation testing & calibration

- Mechanical installation / instrument tube fitting, instrument panels, electrical installation and terminating per design specifications, carry out instrument loop checks and field calibrations to required process variables.
- Examples include flow, temperature, pressure, levels, load cells, process analysers. Regular calibration, workshop based and field based are important to ensure instruments are reading accurately. Without regular checks and calibrations, instruments can drift, leading to process inaccuracy and ultimately a loss in product or service.



Electrical equipment in Hazardous Areas - Installation, inspection & rectification

- Visual, close and detailed Inspections in both gas and dust environments.
- Installation of all certificated IECEx and ANZEx equipment.
- Direction support for non-conforming equipment, such as ATEX certified equipment.
- Design support - our team can support the electrical design once the hazardous area classification is complete. Helping with the choice of cabling, cable support, glanding and any accessories needed for the installation, to ensure its compliant to all the relevant standards (i.e. 60079).



Project support services

- Secondment into white collar roles.
- Redlining design documentation and as-built documentation.
- Project leadership.
- Project delivery services – coordinating, procurement, design review and risk reviews.
- QA/QC.
- Process plant operations support.

Control panel design, manufacture, installation and commissioning

- We design and build control panels ranging from single-motor units to full production-line automation. Our team can deliver a complete turnkey solution or, if you have in-house engineering, we can build directly to your supplied designs. Every panel undergoes a full FAT prior to dispatch, and if required, our technicians will complete site installation, perform the SAT with your onsite team, and support operational handover.



Automation and controls

- Whether it's a small control wiring change, a full safety audit on your equipment or a VSD installation, SPARC Systems has years of control experience, from both a new install and breakdown capacity. Our team brings years of hands-on control experience across new installations and breakdown response, with experience across SIEMENS, Rockwell, Schneider, Honeywell and OMRON platforms.



Reactive and preventative maintenance

- 24/7 emergency support available **Call 08 6386 0410**
- Every plant, workstation or automated facility needs regular maintenance to ensure uptime of their equipment and production capability. Downtime can have huge financial implications to a business, and one panel clean can be the difference between a production line running and have downtime due to a component failure in a neglected panel.

Commissioning Services

- All phases of commissioning support from BOD to pre-commissioning (C1) through to project completions and operations handover (C5).
- IO testing and loop checks
- Instrument verifications and SIS function testing.
- Control systems verification.
- Site Acceptance Tests.
- Energisation of equipment and all elements of testing.
- Dry/wet commissioning support.

Mechanical services

- Instrument tubing.
- Basic welding and fabrication.
- Mechanical fitting and maintenance support.
- Mechanical breakdown support.



If you have any requirements outside of this list, please contact us to see if we can support.

SECTORS WE SERVE:

Petrochemical	Aerospace / Defence	Offices
Oil and Gas	Solvent Manufacturing	Restaurants
Hydrogen	Aerosol Manufacturing	Commercial Premises
Hazardous Waste	Food and Drink Manufacturing / Packaging	Heavy Industry
Chemical Manufacturing	New build Industrial and Commercial Facilities	
Fuel storage	Mineral Processing	
Utilities	Research and Development	
Machine Builders	Injection Moulding	
OEMs	Quarries	
Concrete		

WHY SPARC SYSTEMS

- Safety is our number one priority.
- Extensive technical expertise and specialisation across E&I disciplines.
- Friendly, reliable, and approachable team.
- Experience across small to large projects.
- Complete documentation provided for every job, including safety certifications and testing results.
- \$20M Public Liability Insurance for full client assurance.

OUR WORK



For more pictures of our work, please visit www.sparcsystems.com.au

CREDENTIALS & SAFETY

All our technicians have the following up to date accreditations;

Unrestricted Electrical Licenses

EEHA

Instrumentation

HV switching

Working at heights and relevant high-risk licenses

CONTACT

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