



WESTERN
POWER
SOLUTIONS



CAPABILITIES
STATEMENT

About Western Power Solutions

Western Power Solutions are an electrical contracting company established in 2017 by Peter Sweet, who had previously successfully built up the electrical contracting arm of a West Australian engineering company.

Peter has spent years working in and understanding the Pilbara market. Working across the Pilbara and wider state Western Power Solutions works collaboratively with our clients to deliver the highest possible standard of work, that as a bare minimum meets the industry standards.

With over 10 years in heavy industrial and mining, Western Power Solutions have the experience and knowledge to complete a wide range of commercial and industrial projects, programmed maintenance, service and shut down works.

Our work is varied with a broad range of clients spanning across numerous industries including mining, transport, government, hospitality & agricultural.



The benefits of using Western Power Solutions

Combining knowledge, experience and local know how we are committed to achieving the best, most efficient and cost effective solution for our clients. With a focus on safety, communication and reliability we adopt the simple ethos, if a job is worth doing, it's worth doing right!



Safety

Safety and safe work practices are paramount to Western Power Solutions. We are committed to providing a safe and healthy work environment throughout our organisation by the implementation of our occupational health, safety and environmental management system, which is aligned to the requirements of ISO-45001, ISO-14001 and applicable statutory regulations, standards and codes of practice, for the objective of zero harm to employees.



Communication

Our communication is second to none and we listen so that we understand your business and operation enabling us to provide the most appropriate and effective solution to your electrical needs. We build strong relationships through good communication and respond promptly to your queries providing quality advice based on experience and local knowledge, saving you time and money.



Reliability

When a job is scheduled on a certain day at a certain time, Western Power Solutions will turn up on that day and at that time. We don't over commit and with a solid team we can handle those unforeseen emergencies. You can also rely on us to find the right solution, with the mantra do it once, do it right.



Solutions

Servicing the Pilbara

We work state wide, however we specialise in the Pilbara region as we understand the region and it's needs, and with the experience and local knowledge confidently offer the following services:

- Renewable solar accredited CEC in both design and installations
- Problem solve & diagnose electrical issues
- Commercial, industrial and mining projects
- Project manage & commission
- Design programmed maintenance plans
- Feasibility studies
- Repair & service
- Breakdown call outs
- Shut down works
- Labour hire/backfill labour
- Generator and machine maintenance, fault finding and rectification
- Expert electrical consultants

Quality electrical systems

Installing quality systems every day, Western Power Solutions are passionate about bringing you the most certified and experienced technicians in the industry. Our diverse team of installers, all equipped with expertise, knowledge and a commitment to safety are able to install quality electrical systems ranging from:

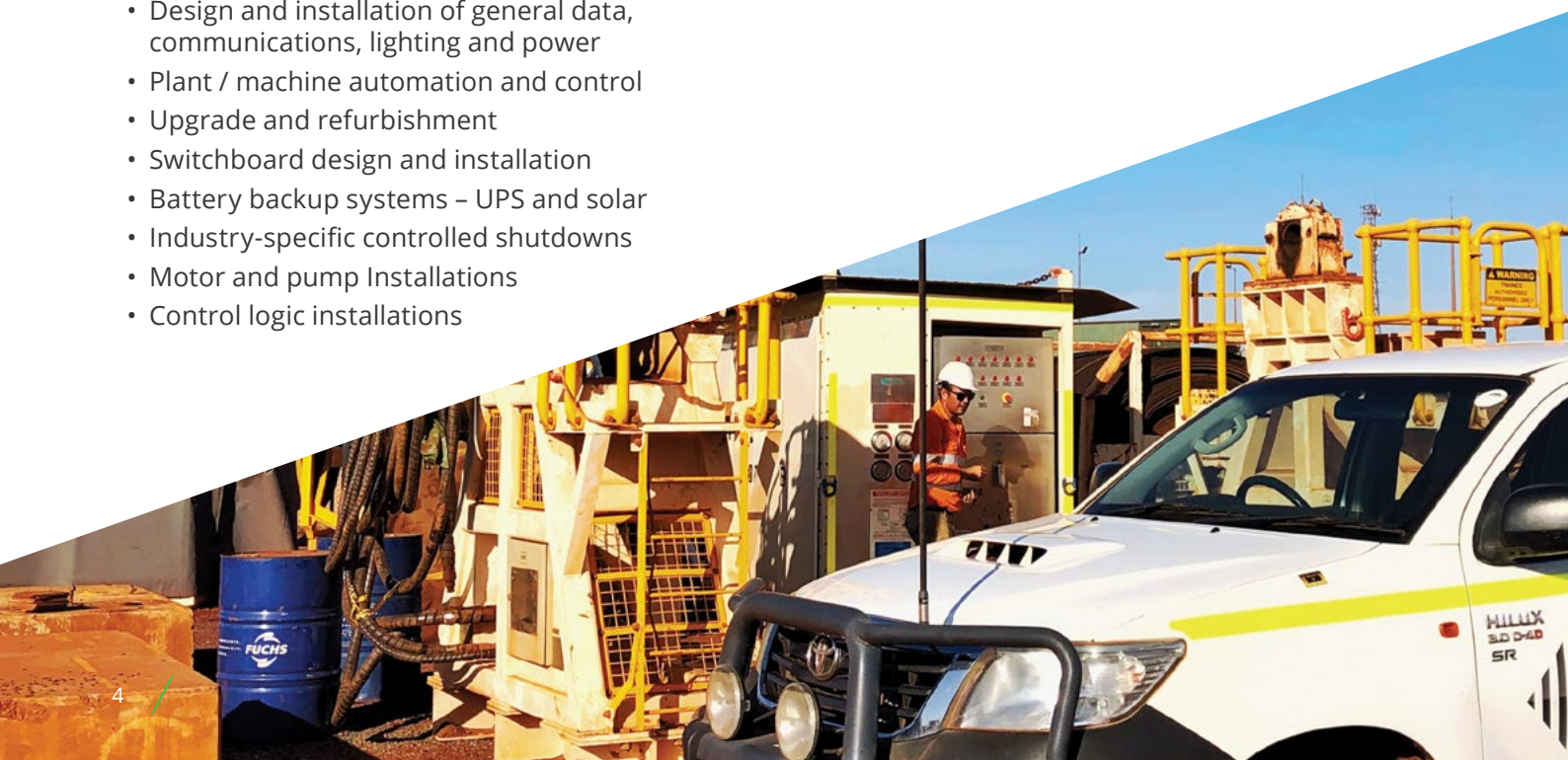
- Design and installation of general data, communications, lighting and power
- Plant / machine automation and control
- Upgrade and refurbishment
- Switchboard design and installation
- Battery backup systems – UPS and solar
- Industry-specific controlled shutdowns
- Motor and pump Installations
- Control logic installations

Site specific maintenance and repairs

Western Power Solutions is the preferred electrical contractor for a number of mining, heavy industrial, agricultural and marine companies throughout the Pilbara. We have particular expertise in designing site specific planned maintenance and repairs. We take your operation seriously and know how important it is to attend repairs and call outs promptly.

Our range of general electrical maintenance services for the above-mentioned sectors includes:

- Lighting maintenance and repairs
- Thermographic imaging and inspections
- RCD injection testing
- UPS testing and maintenance
- Power Generator inspections
- Light and power repairs
- Heavy machine checking and testing
- Stat and preventative maintenance tests
- PLC testing and checking
- Electrical fault finding
- Black-out testing and air circuit breaker ("ACB") maintenance





Proven expertise

We are dedicated to retaining a reputation for the highest standard of work, focussing on quality, service & most importantly safety on the job. With solid plant knowledge, we are currently the sole preferred and/or contracted electrical maintenance contractor for:

- Roy Hill Port Facility
- Osmoflo Water Treatment
- Qube Bulk Handling
- Bridgestone Mining Solutions
- Pilbara Port Authority
- Rema Tip Top
- Campbells Transport
- Bettini Beef
- Pardoo Beef Corporation



Industries



Mining

Western Power Solutions started its operation in the Pilbara, an iconic mining region. We bring combined team knowledge from not only the Pilbara but other regions across Australia as well as overseas. We work with mining companies directly and support some of their front line contractors. We are involved in the day to day operation of keeping these plants up and running in order to hit KPI's and targets paramount to revenue and the Australian economy. At Western Power Solutions safety comes first as we align with the high safety standards within mining and utilise it across our entire business. We understand mineral processing and stockpiling and are involved from exploration through to outloading.



Heavy Industrial

Western Power Solutions support a number of Heavy Industrial companies, given they are located in the Pilbara, most relate to mining. Working closely with our clients we ensure their electrical equipment has minimal to no down time through regular servicing, maintenance and upgrades. We have a broad knowledge in Heavy Industrial as our team come from a varied background with strong technical ability. We are experienced in prioritising our jobs to ensure your operation can continue without disruption.



Agricultural

After working on a mine site you can imagine how much our team like hitting the country side to work with Agricultural clients. Western Power Solutions work with some of the most iconic Pilbara stations from their residential dwellings through to the pivot irrigation systems that help feed their cattle. We know it's important to this industry to have their stations running 24/7 especially during mustering season. We are on the stations prior to the mustering & dry seasons ensuring their accommodation, power generation & irrigation equipment is capable of handling increased operation for the coming busy period.



Marine Industry

Marine is an industry that requires prompt and accurate service. Western Power Solutions understand this supporting companies with ongoing marine break down support and regular maintenance solutions. We help our clients get their vessels back in operation as quickly as possible. This work can be highly technical and requires electricians with strong technical experience and the ability to think outside the box. Our work on these vessels ranges from breakdowns in instrumentation, power generation, lighting and power faults, motor and winch failures, EMG generator synchronisation, bus tie & ACB issues.

Case Studies

Roy Hill

Location: ROY HILL PORT FACILITY / Project: CHANGE OVER SWITCHES

Roy Hill had an issue while undertaking high voltage maintenance onsite. During regular high voltage shutdowns it was hard to maintain power to the rest of their plant while undertaking high voltage works. As a result Roy Hill had major disruptions to outloading while high voltage maintenance was taking place. Western Power Solutions put together a proposal to install change over switches to their essential switchboards allowing continued operations under high voltage maintenance windows. This allows Roy Hill to inload and outload while regular high voltage maintenance is taking place.



Rema Tip Top Industrial Solutions

Location: FMG ANDERSON POINT / Project: PLATEN CONTROL BOXES

Rema Tip Top Industrial Solutions had a situation where their platen control boxes were intermittently tripping and causing down time through their scheduled work tasks. Western Power Solutions put in place a maintenance and refurbishment proposal of their T4 platen control boxes. We completed the proposed work in a two month period with limited down time. They now have sustained reliability on the T4 platen control boxes.



Pardoo Station

Location: PARDOO STATION / Project: POWER GENERATION

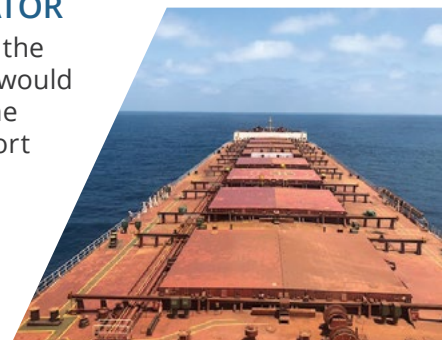
Pardoo Station had continuing issues with their power generation not syncing preventing power to the station and camp. Western Power Solutions were able to investigate and fault find the problem, we were then able to supply a solution with little down time. Subsequently, Western Power Solutions are now the preferred electrical contracting company to Pardoo Beef Corporation and their operations.



MER Solutions

Location: PORT HEDLAND PORT / Breakdown: EMERGENCY GENERATOR

Our team were called to a breakdown on an Iron ore ship for MER Solutions. Upon the Australian Maritime Safety Authority (AMSA) inspection the emergency generator would not automatically start under fault conditions. As this is considered essential for the ship to set sail into international waters they were restricted from departing the port until this was corrected. Western Power Solutions carried out fault finding on the emergency system finding the fault to be the linking bus tie circuit breaker from the main generator to the emergency generator. Under challenging conditions and a tight deadline we managed to source a replacement breaker quickly and cost effectively. Western Power Solutions were able to fit the new breaker with minimal delay to their original departure time.



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