



Engineering Capability

Multidiscipline engineering
for business-critical infrastructure,
process plants and equipment.



Electrical | Mechanical | Hazardous

We **engineer, build and maintain** business-critical infrastructure, process plants and equipment.

Leveraging three decades of technical experience and in-house manufacturing capability, we provide complete engineering solutions for complex projects in the public and private sectors, including manufacturing, water, transport, construction, commercial buildings and industrial.

Our agile, innovative approach to engineering project management delivers optimal client outcomes across functionality, performance and sustainability.



50+ Years Technical Expertise

Encompassing electrical and mechanical engineering, hazardous environments, as well as associated civil works.



Complex Engineering Project Management

Solving demanding project scopes, technical complexity, challenging conditions and multiple stakeholders.



Sustainable Asset Performance

Delivering better outcomes for our clients: at project completion and for the lifetime of the infrastructure assets.

End-to-end engineering project expertise in demanding applications.

Design

Procure

Manufacture

Construct

Maintain

Our services encompass full project delivery capability: from engineering design to equipment manufacture and fabrication; through to construction, installation and ongoing maintenance.



Electrical Systems

Comprehensive engineering experience in technically challenging LV and HV electrical applications such as switchboards, switchgear and control systems.



Mechanical & Rotating Machines

Deep engineering expertise in complex pump and drive systems involving specialist equipment for large infrastructure, process plants and manufacturing sites.



Hazardous Areas & High Voltage

The qualifications, expertise and processes to deliver work in hazardous areas and high voltage applications, whilst mitigating risk for our clients.

Services Capability

Our core project engineering experience is in electrical and mechanical equipment that powers critical infrastructure and industrial plants.



Engineering & Design

Deep technical capability in the core disciplines of electrical and mechanical engineering, and complemented by our experience in hazardous environments and associated civil project needs.



LV & HV Electrical



Mechanical



Hazardous



Manufacturing & Fabrication

Full in-house pre-construction capability across manufacturing, fabrication, assembly and testing requirements for electrical and mechanical systems, and structural components.



Switchboards



Mechanical Fabrication



Construction & Installation

Complete project delivery, including site preparation and related civil and construction works, specialist asset procurement, installation of supporting structures.



Civil Works



Install & Commissioning



Maintenance & Service

Proactive asset maintenance, repair and refurbishment. Extending the life of equipment and related infrastructure, and reducing reactive breakdowns and failures.



Refurbishment & Rebuild



Upgrades



Project Management

A track record of successfully leading and delivering multidiscipline engineering projects with complexity in scope, scale and technical requirements.



Multiple Stakeholders



Public & Private Sectors

TEW Projects

Our experience has taken us from the top of the Q1 tower on the Gold Coast, to the bottom of the Airport Link Tunnel in Brisbane.


Through an innovative approach to solution design and delivery, we ensure optimal client outcomes across operational functionality and performance, with built-in sustainability and energy efficiency; and streamlining proactive services to reduce reactive maintenance.



Caboolture South Sewage Treatment Plant

Recycled water disinfection facility construction: design, fabrication and delivery.

Water & Wastewater



Airport Link Tunnel Brisbane

Dampers and actuators refurbishment for ventilation stations and smoke duct.


Rail & Transport



Transformers and LV Distribution Board Upgrade

Replace 2 transformers plus new switchboard, ensuring uninterrupted power supply.


Infrastructure



Transformer Replacements & Ring Main Extension

Coomababah STP transformer upgrade with uninterrupted supply to treatment plant.

Water & Wastewater



Artificial Turf Production, Backing Line Relocation

Relocation and efficiency upgrade existing manufacturing equipment.


Manufacturing



Townsville City Council sewage treatment plant

Mount Saint John STP blower replacement, efficiency and safety improvements.

Water & Wastewater



North Pine Water Treatment Plant upgrade

Solids residue handling equipment and process improvement, automation

Water & Wastewater



Truss Manufacturing Hydrapress Upgrades

Re-design, decommissioning, construction & commissioning of two Hydrapress systems

Manufacturing



Maroochydore STP Sludge Thickening Upgrade

Design and construct to renew ageing infrastructure capability and reliability

Water & Wastewater

As a technical engineering specialist, our people really do **make the difference.**

Leadership Team

TEW is guided by a diverse leadership team who have built upon the solutions-focused culture and reputation for excellence established by TEW's founding owners. This combination of deep experience and fresh perspectives that challenge the status quo leads to better outcomes, whilst maintaining alignment to TEW's core purpose and values.

We maintain relevant qualifications at the company level and in key individuals across the organisation to support operational excellence.

- Electrical Licence, 67211
- Environment, ISO 14001
- Quality, ISO 9001
- OHSMS, ISO 45001

Technical Teams

Our highly skilled engineers and technicians provide sustainable solutions to a wide range of complex electrical and mechanical infrastructure problems.

- RPEQ Certification
- UEE42620 Cert IV, Hazardous Area, Electrical
- UEPSS00003 High Voltage Operation – HV Switching
- Certified PROFIBUS Installer
- UEE40420 Certificate IV in Instrumentation and Control
- Local Buy Verified Supplier - VS21115905

Our Values | Integrity • Ownership • Quality • Collaborative • Adaptive • Security



Partner with TEW Solutions

We've developed strong and trusting partnerships across a broad range of industries and applications by continually exceeding customer expectations at every stage of project and service delivery.

For more information about how we work, our people and project experience, visit our website. To enquire about project or service requirements, reach out to our team via one of the methods below.



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