

TECK GLOBAL

Capability Statement





About Teck Global

Teck Global is the leading specialist in power systems integration, with expertise in delivering complete in-house turnkey solutions for electrical distribution projects. Our fit-for-purpose engineering, procurement and construction mandate minimises site works and maximises project returns. Working closely with both local and international partners and suppliers, we are proud of our reputation for compressed delivery projects, competitive pricing, consistently high-quality products, and ongoing technical support and maintenance service.

Founded in 2014 with our office and workshop located in Perth, WA, Teck Global is ideally positioned to serve our clients in the mining and resources, oil and gas, utilities, renewable energy, defence, and heavy industry sectors. We have in-depth, first-hand knowledge of our clients' unique requirements and specifications, including the harsh environmental conditions and remoteness of locations. It is our very ability to custom-design and manufacture our products to these rigorous requirements that keep our clients coming back.

Our Values



Team Safety and Happiness: The safety, happiness, and career growth of the Teck Global team are paramount to us.



Client Satisfaction: Our objective for every project is delivery on time, on budget, and high-quality products and services every time. We aim to not only meet, but exceed, our clients' expectations.



Strong Partnerships: We value our suppliers and business partners and have formed strong lasting relationships with key engineering suppliers, fabricators and equipment manufacturers.



Local and National Presence: We take pride in our Western Australian roots: our workshop and head office are based in Perth. We serve our clients all over Australia, and we are always responsive and site-ready for commissioning, shutdown, and maintenance support.



Outstanding Communication: Our different in-house departments all work closely together with the client to ensure that all stakeholders are on the same page every step of the way, from the initial project design and scoping to delivery of the final product to site.



Teck Global Team

The cornerstone of Teck Global's success lies with our highly qualified, responsive and experienced team. We have built an agile and flexible team across our four in-house departments, comprising the Estimating and Design team, the Production team, the Testing and Maintenance team, and the Major Projects team. Across these teams we have over 15 electrical engineers all with varied specialties from protection and automation to instrumentation and controls, as well as experienced electrical and mechanical designers.

The Production division extends to our workshop-based team, consisting of a Production Manager, a workshop coordinator, licenced electricians, and apprentices who are committed to meeting quality standards, safety requirements, and getting the projects site-ready on time and on budget.

When a Scope of Work comes in from a client, we allocate a dedicated project team to look after the unique requirements of the client and the job, drawing on each team member's expertise to take every project to practical completion.

Our Services

Teck Global makes your project simple by being your project partner from the very outset – we can provide engineering, procurement and construction (EPC) services for a complete turnkey solution. We will take on any project from feasibility stage right through to delivery of the completed project to site within the shortest possible lead time.

Accredited to AS4801, the safety of our staff and contractors and the safety of our products are our highest priorities and we integrate safety principles into every project.

Our electrical engineering services cover the following scope:

- Electrical power design engineering
- Electrical design and drafting, including single line diagrams, schematics, terminations, general arrangements, layout, earthing, as-building
- Instrumentation and controls engineering
- PLC programming
- Protection design and settings
- Protection relay testing
- Design documentation and studies, including protection grading, fault and load studies, arc flash studies, harmonic studies, power system modelling and HV submissions
- Testing and commissioning
- Transformer maintenance and service
- Factory acceptance testing

Our Products

Integrated Distribution Transformers

Teck Global is a leading supplier of distribution transformers ranging from 50 kVA to 3 MVA. Our partner and supply factory Cahors Group has received compliance to Factory Mutual Global Standard 3990. Our engineers interface directly with the manufacturer to deliver transformers that meet our clients' specifications at competitive prices. We offer ongoing technical support and maintenance services, repairs, parts and test equipment for all our transformers.

Power Transformers

Teck Global also supplies power transformers from 5 MVA up to 500 MVA. Our supply factories comply to ISO 9001 and all our power transformers are type-tested to IEC 60076.

Kiosk Substations

Our kiosk substations are transportable, compact, and designed for the harsh and remote environments in the mining, oil and gas, utilities and heavy industry sectors. We custom make all our kiosk substations to client specifications, which can contain HV switchgear or RMUs (ring main units), transformers, and LV switchgear. We not only design and manufacture the kiosk substations, but also provide complete turnkey solutions in Perth before delivery to site.

Switchrooms

Our expertise in transportable switchrooms ensures that our clients' requirements are all covered: we custom design and build all our switchrooms, taking in all factors including HVAC (heating, ventilation and air-conditioning), lighting, fire protection and insulation. Our switchrooms can be customised to contain electrical equipment including HV switchgear, LV motor control centres, variable speed drives, communications equipment and remote operation panels. Switchrooms vary in size depending on our clients' requirements. Larger rooms are designed with transport splits and reconnected on site.

Custom Control Panels and Remote Operator Panels

We can construct all types of custom control panels: they can be integrated into our kiosk substation or have their own separate enclosures. All our custom control panels are made in our workshop in Perth, WA.

Above-Ground Termination Enclosures

Teck Global can manufacture above-ground termination enclosures, which are all custom designed and built. An above-ground termination enclosure reduces civil works and total cost of ownership and improves safety and access.

Solar Inverter Skids

Teck Global can design, engineer and construct MV solar inverter skids with all MV equipment integrated, including the transformer, MV switchgear and the solar inverter, all mounted on a fully bunded transportable base.

Electrical Generator Sets ("Gensets")

At Teck Global, we can supply gensets ranging between 200 kVA to 2 MVA, and design generator synchronising panels which can be integrated with automatic break transfer on mains failure, automatic genset start, no break return features, cogeneration and load shedding. We can deliver a whole genset package consisting of HV switchgear, generator step-up transformer and generator.



Equipment Hire

We offer a range of electrical equipment for hire from our Perth workshop.

- Megger MOM2 – 240A handheld micro-ohmmeter
- Megger MIT1025 – 10kv diagnostic insulation resistance tester
- Megger DLRO10HD – 10A battery powered ohmmeter
- Megger SVERKER900 – relay and substation test system
- Kelman TRANSPORT X for dissolved gas analysis
- CMC 356plus – protection test set and universal calibrator
- DC Laboratory power supplies – including EA Elektro-Automatik EA-PS 8360-15 DT Bench Power Supply

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261 Beringarra ave.
Malaga, WA 6090

Office Hours:

Mon-Fri: 9am-5pm
Closed weekends and public holidays.

Contact us today:

engineering@teckglobal.com.au
(08) 6166 7202

teckglobal.com.au