

DEFTEC

**Workshop
Capabilities
and Solutions**
BY DEFTEC

About us

DEFTEC is a premier industrial electrical and communications company based in Queensland, Australia.

We specialize in custom-built switchboards, transformer/equipment overhaul, fibre optic manufacturing, and industrial control systems.

Our in-house manufacturing capabilities, experienced team, and commitment to quality allow us to deliver tailored solutions for the mining and resources sector.



Workshop Solutions



ELECTRICAL EQUIPMENT OVERHAUL

Power Transformer
refurbishment
and testing



FIBRE OPTIC J-BOXES

10 Pair
Weatherproof Fibre
Enclosures



FIBRE OPTIC CABLE

Multi-core,
single/multi-mode
fibre solutions

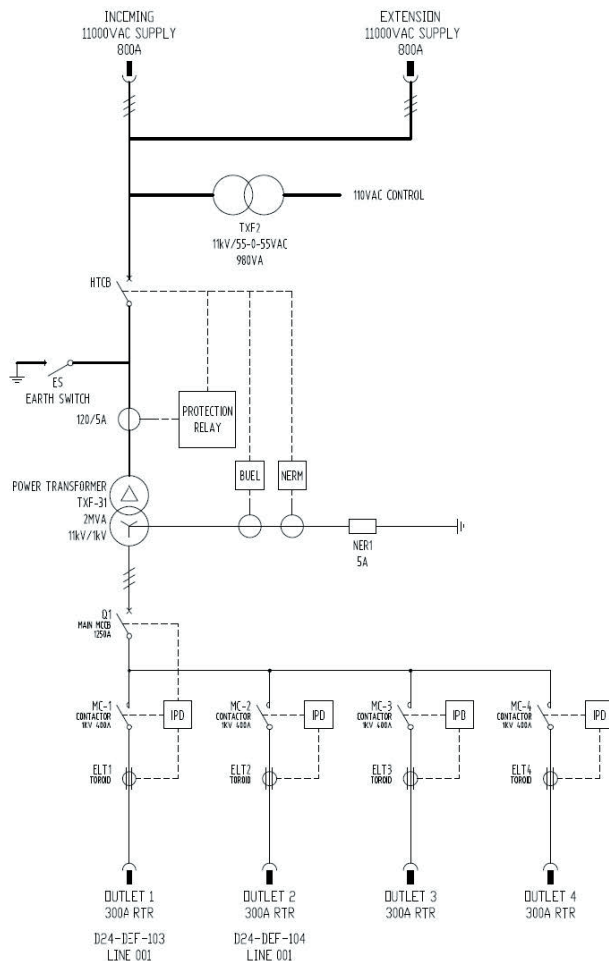


CUSTOM SWITCHBOARD DESIGN

Heavy-duty starters
for low-voltage pumps
and control

Electrical Equipment Overhaul

DEFTEC has completed various large electrical equipment overhauls, consistently meeting budget, timeline, and performance expectations.



- ▶ Complete disassembly and thorough inspection of all transformer components.
- ▶ Comprehensive engineering drawings and documentation to accompany overhaul.
- ▶ Extensive internal and external cleaning, with replacement or refurbishment of critical parts
- ▶ Electrical design upgrades and implementation, followed by functional and compliance testing.
- ▶ Extends transformer service life by 10-15 years, offering a cost-effective alternative to replacement.
- ▶ Aligning equipment with relevant Australian Surface Electrical Standards AS/NZS 3000, AS 2067, AS/NZS 3007 and AS/NZS 4871.
- ▶ Full transformer overhaul including internal assemblies.



Fibre Optic J-Boxes

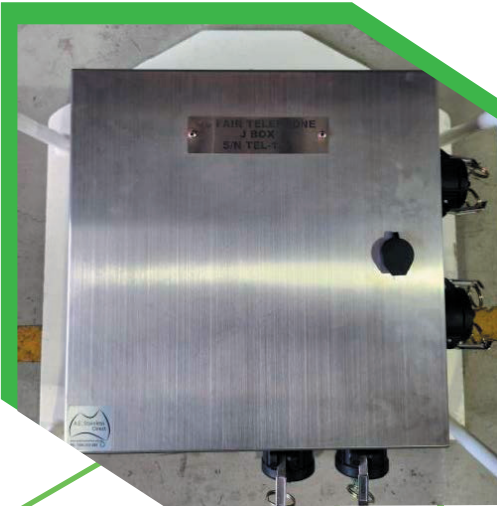
DEFTEC has consistently produced custom made Fibre Optic J-Boxes providing durable, field proven connectivity across critical communication infrastructure.

DESIGN

- ▶ Weatherproof IP66/IP67-rated enclosure
- ▶ UV-stabilized and corrosion-resistant enclosure
- ▶ Designed to protect internal fibre terminations from dust, moisture, and physical damage.

VERSATILE

- ▶ Suitable for pit, wall, and rack-mounted configurations
- ▶ Used in mining sites, roadside cabinets, control rooms, and remote locations.
- ▶ A reliable solution for fibre distribution, patching



Fibre Optic Cable

DEFTEC custom-manufactures fibre optic cable in-house to customer specifications, delivering reliable connectivity solutions.

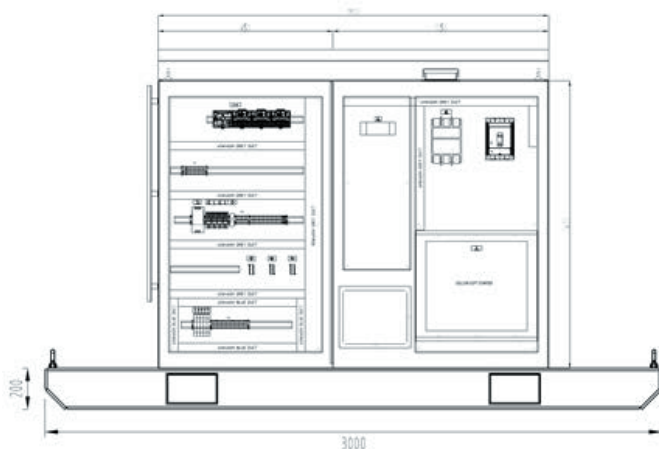
- ▶ Full control over quality, consistency, and build specifications
- ▶ Custom core counts available in 12, 24, 48, and 96 fibres to suit a wide range of network capacities
- ▶ Suitable for backbone networks, SCADA, telemetry, and field communications
- ▶ Flame Path Transmission testing to AS/NZS 1972:2006

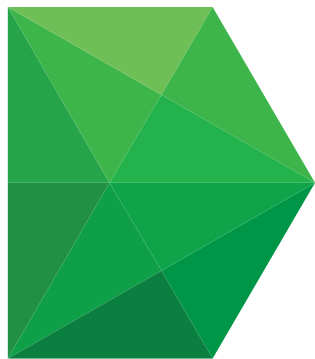


Custom Switchboards

DEFTEC has designed and engineered a range of different system control switchboards for industrial applications.

- ▶ Integrated protection: overload, under/over-voltage and earth leakage detection
- ▶ Heavy-duty IP66-rated stainless steel enclosures for harsh outdoor environments
- ▶ Fully wired, pre-configured, and factory acceptance tested to ensure quick and reliable installation
- ▶ Incorporates motor control, PLC automation, SCADA integration, and power distribution
- ▶ Comprehensive engineering drawings and documentation to accompany manufacture





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