

OVERVIEW

Design, manufacture and installation of custom critical power infrastructure is essential for applications that require reliable, uninterruptible power. When specific voltages, size and battery life requirements are factored into the system design, the final system is typically more effective.

CUSTOM VS 'OFF THE SHELF'

When a system is designed to meet specific performance criteria, end users can be assured that the equipment will stand up to the application environment.

WHAT WE DO

We work with our clients to understand the application environment of their power system, along with identifying the specific performance criteria needed for optimum performance.

Following this process, we recommend a system configuration that addresses these requirements along with relevant dimensions and distribution capacity. Once approved, the system is then designed and the components are manufactured or assembled in-house.

Because we can carry out this manufacturing and assembly work, we are then able to full test the equipment to ensure quality and performance standards are met.

The system is then transported to site for commissioning and installation.

TYPICAL BENEFITS

Not only do clients benefit from a personalised service, they receive:

- A system which is designed and built to meet operational and environmental performance requirements
- Assurance that components have been selected based on best features, value and lead times to suit the individual system requirements
- Flexible project execution approach due to in-house design and manufacturing process which means clients can modify requirements as and when required
- Industries which generally benefit from this designed approach are utilities, mining, transportation and telecommunications where the supply and reliability of communications power infrastructure is critical.



CERTIFICATIONS

We hold relevant Electrical Contracting licences in each state/territory we operate in. This is backed by our accreditation to AS/NZS4801.

PAST EXPERIENCE

Roads and Maritime Service (NSW)

- Designed and manufactured custom-built outdoor roadside cabinets equipped with UPS technology to provide back up power to traffic light systems in the event of a power outage.

Fortescue Metals Group (FMG)

- Designed and manufactured custom 48V DC power racks equipped with DC-DC converters to enable power distribution at 12V, 24V and 48V within the same rack.