

# Peak ARE Office & Manufacturing Facility Case Study





Case Study:  
Peak ARE (Air-conditioning, Refrigeration and Electrical) New Office & Manufacturing Facility

Electrical Contractor:  
Peak ARE

Trader Electrical Products used:  
Buffalo Industrial Switchgear

## Industrial strength install

**Peak ARE is one of Townsville's leading mechanical and electrical contractors. In March, 2022 the company moved into a brand new purpose built manufacturing facility, complete with office, warehouse and sheet metal work shop facilities. When it came to the electrical specification, they chose Trader's new and updated range of Buffalo industrial switchgear. Here's why.**

Founded in 2004, Peak ARE is a locally grown business that has flourished from the get-go by offering turn-key solutions for customers, everything from design to supply and maintenance. Today the company offers a full range of services: air-conditioning, refrigeration, electrical, and associated trades including mechanical plumbing and sheet metal, all working in-house.

With business going from strength to strength, the company decided to move into a brand new manufacturing facility to cater for growing customer needs. The manufacturing area is over 1000sq metres in size and includes a 300sq metre sheet metal fabrication area, producing lengths of ducting to precise dimensions for multiple projects. The equipment consists of welders, compressors and guillotines running on 10A -80A power requirements.

It is a busy area too, so the switchgear needed to be durable and impact resistant. When making the final selection, Electrical Department Manager, Allan Petersen decided on Trader Buffalo.

"First impression, I liked the look of it and it felt like quality. With some switchgear, the switch actuator can feel loose, but Buffalo feels solid.



Air-conditioning ducting produced all in house



Buffalo switchgear designed for modular configurations including DIN enclosure

*"We have quite a few modular configurations set up so being able to mix these on multi-gang back boxes were positive."*

The IP66 rating is another key requirement in the workshop.

*"Cutting can create fine metal fragments and dust, so we need our switchgear to be able to withstand this."*

This new generation of Buffalo incorporates numerous design changes, everything from tighter fitting bridge pieces in the switched sockets to rubber O-rings in the cable entry glands.

*"Bridge pieces falling out of back boxes during install is annoying, so this is a good improvement. The O-rings are a great idea. It saves us having to use silicone to maintain the IP66 rating."*

Although not the primary reason for specifying Buffalo, the range also represents good value.

*"Compared to other offerings, it's excellent quality and well-priced. We have a team of 15 staff in the electrical department and everyone is happy with it."*

Peak ARE is an excellent example of how Trader can offer a quality solution for any industrial switchgear project.

Please reach out to us for any assistance with your next installation.



O-rings on cable gland entries ensure IP66 rating without the use of silicone.



10A to 80A switchgear specified for the manufacturing production area

## Buffalo Products





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