

# NHP POWERS UP WITH MANUFACTURING CAPABILITIES!

## Introduction

When it comes to critical power, the risk of a slight interruption or any unplanned downtime is an ongoing challenge. Such an event can often lead to loss in the product or service you provide your customers, consequently incurring detrimental financial and business losses. This consideration was of upmost importance for Stowe Australia and NHP recently when they were tasked with refurbishing a data centre located in a commercial high-rise in Melbourne's CBD, Victoria. Together, these two local companies were presented with an opportunity to provide a solution that offered maximum protection ensuring a sound operation and secure data – and they took it.

The high rise building where the data centre is situated is committed to reducing its environmental footprint and has an impressive 4.5 star NABERS energy rating. With this in mind, when it came to the end user selecting a contractor for the project, they needed to reflect the direction of the building, providing products and solutions that embodied the same energy efficiency values.

## Project Overview

Conscious of the complex nature of data centre refurbishment as well as aligning the project with the overall building ideals, the end user enlisted the support of Stowe Australia, who has over 100 years' experience in the industry. Stowe Australia in turn appointed a supplier but with delivery date fast approaching that supplier needed to fulfill the project requirements in a compressed timeframe. Stowe Australia enlisted the support of NHP who were able to demonstrate the value of their local manufacturing capability and local stock holding.

A five day timeframe was set for the customised design, build, delivery and installation of seven distribution boards. This challenge would not have been achievable without NHP's National Distribution and Manufacturing Centre in Laverton, Victoria, which is a state-of-the-art facility bringing together a range of manufacturing and engineering services, as well as locally housing extensive stock all under one roof.

Stowe Australia commissioned the project to NHP on a Monday, and after dedicating the required hours of manufacturing time, NHP were able to fulfill all components, delivering in full on time by that same Friday.

*"Team NHP's ability to design, manufacture and deliver seven quality switchboards in a five day span and within that, a three day build turnaround is outstanding. It is reassuring to know that in a time of need NHP can step up to the plate and deliver,"* said Michael Bell, Stowe Australia's Operations Manager.

## The Solution

The drawings and design of the boards were customised to the specified requirements, abided by local standards and catered to data centres. The expertise displayed, enabled NHP to quickly and efficiently take the requirements of the data centre operational characteristics and convert this into a flexible, adaptable and scalable data centre solution.

The customised boards ensure minimal consumption and maximum protection for the data centre. Within the boards resides NHP's innovative PowerMax™ Isolation Chassis which have been designed to specifically meet the needs of data centres reducing potential hazards for electrical maintenance workers. To complement this cutting edge busbar solution, Terasaki circuit breakers, compact Katko main switches and NEMO three phase energy meters are installed in the panelboards.

All of these components are enclosed and secured in NHP's modular and robust Concept Plus Panelboards, with everything complying to meet local requirements. These distribution panelboards were built and manufactured in Laverton ensuring consistent quality.

*"We were tasked with a testing project, however we were able to pull together as a team and used our manufacturing centre to our advantage, meeting expectations with a future-proof solution in anticipation for constantly transforming data centre infrastructure,"* NHP's Sales Supervisor – Projects, Carl Sharp commented.

NHP were proud to partner with another Australian privately owned company, utilising local expert engineering capability, design and manufacturing of products for local industry needs.



## Project Fact File

**Project:** Data centre located in a commercial high-rise

**Location:** Melbourne, Victoria

**Details:** Stowe Australia and NHP recently were tasked with refurbishing a data centre, provide an energy efficient solution that offered maximum protection ensuring a sound operation and secure data.

### NHP Products/Services:

- Design
- Manufacture
- 7 x Concept Plus Panelboards with:
  - PowerMax™ Isolation Chassis
  - Terasaki circuit breakers
  - Katko main switches
  - NEMO three phase energy meters