

PROJECT FACT SHEET

Customer:

Curtin University

Project:

B111 High Voltage Upgrade Project

Project Profile:



A huge achievement for all involved, the Nilsen WA High Energy team effectively and successfully collaborated with our project partners to safely deliver the High Voltage Upgrade Project at Curtin University B155 and B111.

The existing low voltage distribution boards (LVDBs) were not rated to withstand potential fault current when the supply transformers were in parallel. This meant that every time a transformer was to be taken out of service for annual inspection or maintenance, the LVDBs would experience an interruption to supply during a change-over between transformers.

The Nilsen WA High Energy team were engaged to remove the existing transformers and install new 1MVA dry-type transformers (providing less fault current and with the ability to be paralleled), eliminating the need for an interruption to supply.

Beginning preliminary works in April 2020, the project hit completion in June 2020.

B111 works included:

- Removal and replacement of 2 x 22kV 1MVA dry-type transformers
- Removal and replacement of 7-tier LVDB, inclusive of all new circuit protection
- Installation of new remote multi metering panel
- All testing and commissioning works completed by the Nilsen WA High Energy team.

B155 works included:

- Removal and replacement of 2 x 22kV 1MVA dry-type transformers
- Installation of a brand new 22kV 4-tier RMU inclusive of new HV cabling and terminations
- All testing and commissioning works completed by the Nilsen WA High Energy team.



Considering the sensitive equipment, research facilities and the communications servers that are fed from the LVDBs, consistent electrical supply is a huge advantage for our client and Nilsen are proud to have been able to provide this solution safely, incident-free, on time and on budget.

