

PROJECT FACT SHEET

Customer: Next DC

Project: Next DC Data Centre

Project Profile: Next DC M1 is a flagship data centre facility, located in Port Melbourne approximately 5km from the CBD, which is a two story 17,500m² building, boasting 6000m² of technical space. This centre has the capacity of 22.5MVA power availability with an IT load of 12MW. Currently 6 of 13 Diesel Rotary UPS (DRUPS) units are running on an Iso Parallel bus for 100% no break IT and mechanical load. The centre is supplied by diverse A + B + C power supply distributed at 11kV.

**Nilsen Scope
of Works:**

- Supply and Installation of 6 main switchboards
- Supply and Installation of over 200 general light and power DBs, CRAC DB, Data hall DBs, and PDU's
- Supply and Installation of 6 HV transformers
- Supply and Installation of 3 HV Main switchboards
- SCADA system
- DRUPS control wiring DRUPS mains wiring
- General light and Power
- Fit out of 3 data halls including all under floor outlets and below and above floor power and data basket
- Fit out of office amenities building
- Communication cabling including all back bone copper and fibre systems along with cat 6 cabling
- Lighting control and earthing

**Project Obstacles
to be overcome:**

Due to the compressed short time frame Nilsen had up to 70 tradesmen / apprentices on site at any one time, to insure an on time delivery of the Project.

**Added value accrued to customer
because of Nilsen involvement:**

Nilsen played a major role in the design process assisting Next DC, FDC and ARUPs where possible, adding our knowledge and experience when and where needed. Nilsen also assisted several other trades with their electrical needs in areas such as, diesel control wiring, MATV and AV wiring, security network cabling, Interconnecting wiring between CRAC units and modification works to DRUPS mains cabinets to make compliant to AUS standards.

Award or Award Nominations:

Winner – NECA Awards of Excellence (Vic) – Commercial Large (2013)

