

PROJECT FACT SHEET

Customer: Lend Lease

Project: UTS Broadway Project

Project Profile:

Nilsen was contracted by Lend Lease to carry out the complete electrical installation for the latest addition to the University of Technology, Sydney – the Faculty Building for Engineering and Information Technology in Ultimo. The 45,120m² facility is a 17 floor building consisting of teaching spaces, research spaces, faculty offices, faculty boardrooms and function areas, as well as support facilities including large student lounges, public café's and parking for approximately 160 cars.

Nilsen commenced on site in April 2012 and completed the project in June 2014.

New electrical services include: programming and site co-ordination of the HV cabling and substation fitout work; modification of main distribution board consumer mains, main switchboards, switchboards, Tri-generation switchboard and power factor correction equipment; installation of 2 off 400A circuit breakers for future provision of harmonic filters; Automatic Transfer Switches (ATS); metering and earthing/bonding; Energy Monitoring System (EMS) complying with Green Star ENE; 2 distribution boards including laboratory distribution boards; a gas fired generator system; submain cabling, Busway systems between switchboards, general lighting and associated control systems. lighting, power outlets and permanent connections; supply and install of all EIF (Photovoltaic cells, Wind Turbine, Fuel cell, Flywheel energy storage and batteries & Solar Thermal collectors & Parabolic trough); BMS control and monitoring interfaces and KNX protocols; emergency lighting and exit sign systems; final subcircuit wiring to lighting; power outlets and fixed equipment; skirting duct system; emergency stop buttons in laboratories, underfloor and general cable management - tray/ladder/conduit system; EMI shielding; floor boxes; TSG room temp/ humidity/ moisture monitors; lightning protection systems; lighting controls including sensors, dimmers, blind controls and interface with audio visual and BMS systems; installation of underground conduits, draw pits and cable pits etc; UPS Systems; integrated voice and data cabling system for Information Technology, Audio Visual and Security Systems originating from TSG Rooms, Audio Visual System, MATV, Hearing Loop, Motorised Blinds.



- **Completion Date:**
June 2014
- **Man Hours:** 86,000
- **LTI's:** Zero

