

PROJECT FACT SHEET**Customer:** WA Government**Project:** Royal Perth Hospital**Project Profile:** Nilsen installation of comprehensive electrical services to a new multi-level research and science facility, being administration, laboratories and meeting rooms which included:

- Major distribution system
- C-Bus lighting control system
- Architectural feature lighting
- Fibre Optic lighting system
- External feature lighting in garden and planted areas
- 2000+ luminaries installed
- 200+ Exit & Emergency lighting units
- Back Up power via a 250KVA Back-up generator
- 30KVA UPS units

Safety requirements within the laboratories and special research areas were critical. These included switchboards controlling individual sections of the laboratory and emergency shut down facilities to isolate power within the laboratory without isolation of lighting. Some areas required ultra violet sterilization facilities with completely sealed and waterproof fittings for total wash down.

Nilsen installed the sub main cables underground, resulting in a substantial saving in cable trays along with the ability for easier upgrading in the future.

Finalist - Western Australian NECA Awards