

UNSW BIOSCIENCE ENABLING PROJECT



PROJECT DETAILS

PROJECT LOCATION:
UNSW CAMPUS, Botany
Street, KENSINGTON
SYDNEY NSW 2033

COMMENCEMENT DATE:
November 2014

COMPLETION DATE:
September 2015

TYPE OF CONTRACT:
Design & Construct

CONTRACT VALUE:
\$3.8 Million +

GROSS FLOOR AREA:
N/A

PROJECT MANAGER:
Frank Palamara

**CONSTRUCTION
MANAGER:**
Paul Logie

OVERVIEW TRADE PACKAGE

Star Electrical were engaged by Multiplex in November 2014 to carry out the electrical services associated with the Bio Science Building Enabling Works. The Project included works to the Ausgrid Chamber Substation, Substations 29 and 30, Decommission of Substation 6 and all associated above ground and in-ground services.

Services provided by the Star Group on this project included;

- Electrical high voltage
- Electrical low voltage systems, including modifications to suit relocated walls and fitout requirements.
- Diversion of existing consumers mains, sub-mains, electrical and communications cabling.
- Lighting supply and installation.

- Emergency and exit lighting
- Temporary lighting and power
- Communications system
- Security systems
- External lighting
- Energy monitoring systems
- Cable support systems, including in-ground conduits and pits

COMMERCIAL FACTORS

- 60 Years' experience and ability to meet the tender requirements and documentation as well as achieve best industry practice
- ASP Level 1 and 3 Accredited
- Ease of use for the end user
- Ongoing ease of maintenance for the end user
- Capability of suppliers/sub-contractors to deliver the works and material and per program
- Value for money.
- Representatives attended regular bi-weekly co-ordination meetings where services were co-ordinator to ensure the service's trades were keeping pace with each other and to deliver as a combine unit.

PROJECT CHALLENGES

The Project demanded precision planning, meticulous methods, quality systems and effective management of logistics and key interfaces.

Live site therefore small windows allocated for shutdown works, this required careful planning and coordination with the University.

Excavating within asbestos contaminated ground while maintaining strict environmental and QA requirements.

Relocating of existing sub-mains from redundant main switchboards to temporary switchboard connected to substation 6

Investigating and providing a report for all supplies (affected by works) fed from various switchboards.

PROJECT SPECIFICS

The supply, install and commissioning of 2 x chamber substations and associated cabling.

Relocation of high voltage power supplies to a number of upper campus buildings.

Realignment of library walk as it meets Gate 11

Establishment of a temporary loading dock.

Decommissioning of existing services within redundant buildings.

Lighting for landscaping to the surrounding AGSM building.

