

ROYAL NORTH SHORE HOSPITAL COMMUNITY HEALTH CENTRE



PROJECT DETAILS

PROJECT LOCATION:
Herbert St, St Leonards
Sydney, NSW 2065

COMMENCEMENT DATE:
2010

COMPLETION DATE:
2012

TYPE OF CONTRACT:
Design and Construct

CONTRACT VALUE:
\$6.5 Million

GROSS FLOOR AREA:
10,000 sqm.

PROJECT MANAGER:
Mark Rout

**CONSTRUCTION
MANAGER:**
Michael Gadd

OVERVIEW TRADE PACKAGE

Star Group's in house engineering services provided design input for general electrical services, communications, security, nurse call systems, specialist lighting and automated lighting controls along with coordination and client interface at both phases of the project.

- Supply and Installation of 2x Pad mounted (external) 11 kV
- High Voltage transformers, Diesel generator systems.
- SCADA automated switching control systems, consumer mains & Low Voltage main switchboards, power factor correction units.
- Low Voltage sub main reticulation, cable supports and distribution systems.
- Low voltage cabling systems to major medical imaging equipment.
- Design, supply and installation of Street and landscape lighting.
- Specialty lighting within the main entries and foyers,
- Emergency & General lighting, fully monitored Emergency lighting control system, fully automated, programmable timing
- C-BUS lighting control system throughout the facility, general power systems, Medical services panels.
- Supply and installation of UPS systems for communications and medical procedures, Master clock systems.
- Incoming communications carrier service

PROJECT CHALLENGES

- Design, supply and installation of fibre optic and copper external communications services, internal fibre optic and copper backbone cabling, Cat 6A shielded structured cabling system.
- Installation of Wireless Access points.
- Active distributed mobile antenna system, MATV system.
- Relocation of critical Radio network antenna system.
- Design and installation of Security systems including access control, Staff Duress systems, Intercom systems and CCTV monitoring, nurse, patient and staff emergency Call systems.
- Integration of existing building security and communications system into the new facility.

Due to the relatively ease of the project, Star Group experience in the health sector and the great team work by Thiess and other sub-contractors, the project did not possess any real challenges. This is a credit to the entire team working on the project from Design to completion.

PROJECT SPECIFICS

- This facility was the first of the buildings that Star was engaged to on. The facility required unique engineering design both design and construction.
- The Acute Services Building is a 10,000m2 seven storey building.

This building now delivers community health services which includes:

- Child and Family Speech Pathology
- Paediatric occupational Therapy
- Child and Adolescent Mental Health Service

- Northern Sydney Home Nursing Service
- Child Development Service Unit
- Health Care Interpreter Services
- Community Mental Health
- Genetic Education
- Aboriginal Health
- Drug and Alcohol Service
- Aged Care
- StePS
- Child Protection Service
- Paediatric Physiotherapy
- Oral Health
- OTP Renal Services
- Breast Screen
- Child and Family Health
- Clinic 16
- Sexual Assault Service
- Health Promotion

