

BYRON SHIRE CENTRAL HOSPITAL



PROJECT DETAILS

PROJECT LOCATION:

54 Ewingsdale Rd,
Ewingsdale NSW 2481

COMMENCEMENT DATE:

January 2015

COMPLETION DATE:

March 2016

TYPE OF CONTRACT:

Design and Construct

CONTRACT VALUE:

\$6 million

GROSS FLOOR AREA:

10,000 sqm.

PROJECT MANAGER:

Bryce Coleman

CONSTRUCTION MANAGER:

Mark Andrews

OVERVIEW TRADE PACKAGE

Star Group's scope of work included:
High Voltage

- Electrical Low Voltage systems
- Electro Medical Installation,
- AS3003 Body & Cardiac Protected Areas
- Emergency Stand-by Generator
- High level integration of Emergency Stand by Generator system
- Uninterruptable Power supplies and monitoring system
- Lighting installation & Lighting Control
- General and special purpose power installation
- Medical Services Panels
- Communications System
- Security, Nurse Call, Audio Visual, MATV System
- Lightning Protection System, Master Clock System, DAS System
- External Feature Lighting

COMMERCIAL FACTORS

- Ability to meet the tender requirements and documentation as well as achieve best industry practice
- Future proofing
- Provide long service life in the order of 20 years.
- Incorporate robust, reliable design features.
- Capability of suppliers/sub-contractors to deliver the works and material and per program
- Value for money
- High performance and energy solutions
- Meet and exceed industry best practice
- Provide flexibility to end users and ease of maintenance.

PROJECT CHALLENGES

- The Project demanded a high level of collaborative planning, meticulous methods, quality systems and effective management of logistics and key interfaces.
- Geographically & socially, it required the Project to be very environmentally aware and seamlessly integrated into the existing community culture during construction without causing delay to the opening of this critical facility.
- The lighting design and medical services design in general was done to the highest level of detailed design, so as to provide a functional, flexible yet robust solution whilst offering the latest proven technology and energy efficient/performance.
- The local weather patterns dictated the timetable initially with high levels of rain experienced during the earthworks/early works stages of the project, Star Group assisted in its capacity to react quickly with our design and procurement strategy in order to maintain the original completion date in conjunction with the builder.

PROJECT SPECIFICS

- New Emergency Department operating 24/7 incorporating 13 new emergency care spaces
- 45 overnight stay beds with ambulatory care wing.
- New maternity section and associated birthing and delivery rooms
- Mental Health wards incorporating 20 overnight beds
- Medical Imaging & Chemotherapy ward
- Oral Health section with new specialized dental services
- New and enhanced integrated community based services such as nursing, allied health and drug and alcohol services.
- A lower ground level incorporating main plant, kitchen, morgue and hospital administration areas.

