

WELLINGTON CORRECTIONAL CENTRE



PROJECT DETAILS

PROJECT LOCATION:

Mudgee-Goolma Road,
Wellington, NSW

COMMENCEMENT DATE:

December 2016

COMPLETION DATE:

August 2017

TYPE OF CONTRACT:

Design & Construct

CONTRACT VALUE:

\$18 Million +

PROJECT MANAGER:

Bryce Coleman & Leigh
Martin

CONSTRUCTION MANAGER:

Jade Coleman

OVERVIEW TRADE PACKAGE

Design and construction of a new 400 bed regional correctional centre for the Department of Justice NSW. The centre provides inmate accommodation of maximum security classification.

The centre includes 14 separate buildings, which includes 4 accommodation buildings with dormitory pods, areas for inmate education, employment and recreation, a gatehouse, administration areas, staff and visitors facilities, kitchen and stores building, laundry, clinic, transport response unit and inmate reception.

Due to the nature of the 'rapid build' prison, Star was required to mobilise a team of electricians regionally to complete the project within the 12 month timeframe from inception to completion.

- UPS Systems
 - Power Factor Correction
 - Diesel Generator (1.5MVA)
 - Earthing
 - General, Exit and Emergency Lighting, Dynalite Lighting Control
 - General Power, Power Filters
 - Cable tray and Containment Installation
 - Lightning and Surge Protection
 - Security
 - Communications
 - Co-ordination with all other trades
 - Training & Operating and Maintenance Manuals
 - Building Testing, Commissioning and Tuning
- Substation & Incoming HV Feeders (connection to UNSW network)
 - Main Switchboards and Distribution Boards, Consumer Mains & Sub Mains & Busduct

PROJECT CHALLENGES

- Rapid build nature of the project required Star to mobilise and complete an \$18 million electrical project within less than 9 months construction period.
- The regional location of the project meant that mobilising a workforce of qualified electricians within a short time was challenging, despite using a core team of project and site managers from Star.
- Maintaining a tight program to deliver the project within the practical completion date successfully.

PROJECT SPECIFICS

- Multiple forms of construction methods were used to enable the rapid project, including off site prefabricated steel structures, precast concrete structures and modular buildings.
- Overall the building is nine levels; it will include a basement featuring specially-designed suites to house highly-sensitive research equipment, as well as administrative spaces, teaching and learning spaces and public spaces.

