

PROJECT FACT SHEET

Customer:

Probuild

Project:

Star Gold Coast Infrastructure Upgrade & Scope Gap Projects

Project Profile:



Nilsen were awarded the Electrical Contract for the Star Gold Coast Casino & Hotel Infrastructure Upgrade project in late 2015, which primarily focused on construction of a new electrical central energy plant. The project required a high level of coordination and careful planning to ensure minimal disruption and the best possible long term outcome for the principal, Star Entertainment Group.

Nilsen were also awarded the Scope Gap Package to the project, which included design and verification, various HV works, supply and installation of 2 x Generators and 1 x Uninterruptable Power System (UPS), Communications, commissioning and HV auditing.

Nilsen's scope of work on the Star Infrastructure and Scope Gap projects included the following technical disciplines:

- Temporary Electrical Services
- Supply and installation of 3 x High Voltage MSB and 13 x Low Voltage MSB
- Installation of 5 x additional Transformers including High Voltage cabling connection
- New Diesel Fuel system installation and associated works
- Installation of new Energex metering substation
- Installation of new primary Data Centre and associated backbone fibre and copper cabling

Being an operational business open 24/7, this project had a high degree of difficulty, particularly with regards to staging and cutovers. Nilsen worked closely with Star Group over the course of two months to accurately plan the staging of the 4 x High Voltage and 11 x Low Voltage cut overs. Nilsen also forged a strong relationship with the client by instigating design changes for cost givebacks. Due to the confidence felt by the client of Nilsen's understanding of their business, Nilsen were subsequently awarded additional large packages, including the supply and installation of additional transformers, switchboards and generator systems.

This was also the largest amount of mineral insulated metal sheathed (MIMS) "Pyro" cable Nilsen has installed in Queensland, totalling 13.6km, and subsequently the project team learnt new skills from experienced mentors. Not only was the project completed on time, but both the project safety results and quality of workmanship was of a very high standard across Nilsen's entire scope.

Notably, the project was also awarded the 2018 **National Electrical and Communication Association (NECA)** Queensland Award for Best Large Commercial Project.