

PROJECT FACT SHEET

Customer: John Holland for Bechtel & Chevron Oil & Gas

Project: Wheatstone Non-Process Infrastructure Buildings

Project Profile: Wheatstone LNG is a liquefied natural gas plant under construction west of Onslow, WA for Chevron Australia. The massive LNG liquefaction and export plant will have an annual capacity of 4.5 (MTPA) LNG from each train totaling 15 (MTPA).

John Holland engaged Nilsen for the design, supply, installation, testing and commissioning of the electrical services for all of the Non-Process Infrastructure Buildings for the project. This is comprised of 12 offices and maintenance buildings running from the Operations Centre through the vehicle maintenance area and fire station, through to the load out facilities and guard houses.

The highly specialised project requires the buildings are built to the high quality Chevron specifications for Hazardous Areas and Explosion Proof Buildings. In addition the works are completed to meet hazardous area classifications, within seismic constraints (for minimal explosion impact). Other special features include Dali lighting controls ,complex O&G cable transits, project wide lightning protection, HV/LV reticulation and a very complex and cutting edge communications installation.

In addition to the projects specification complexities, the installation requires a multiple of specialised equipment and skills such as VOC on every item of plant, Confined Space access, ultra-high level working and high torque energy dissipation management.

With the site's remoteness, the project also demands a fluid approach to logistic management, with the need to anticipate design changes before they occur and ensure sufficient supplies are onsite at all times to maintain the punishing schedule.

Due to the concurrent nature of construction Nilsen will engage more than 90 employees on this project at its peak.

This 18 month project is on track for completion in March 2016.