



STRUCTURAL, MECHANICAL & PIPING ENGINEERING SUPPORT

Key Capabilities:

- Completions
- Pre-Commissioning
- PIMS CCMS

Overview

In November 2017, our Client, Australia's leading energy infrastructure business, acquired a gas processing plant in east Victoria. This afforded our client remit to own, upgrade and operate the plant, which would process gas from offshore fields. As a fully operational plant, its capacity would be up to 68 terajoules per day of natural gas, which is equivalent to 12% of current demand in Victoria.

Vecta were engaged to provide Structural, Mechanical and Piping engineering support during the critical phases of the gas plant upgrade, which were the mechanical completion, pre-commissioning and commissioning phases.

Scope

The scope of work included the following:

- Leading the greenfield completions team (comprising 6 people) to drive completion of construction works performed by the principle contractor

- Co-ordinate with the commissioning team to prioritise completion of critical subsystems and handover of subsystems from Construction to Commissioning
- Provide daily progress updates to the client management team on status of subsystem completion via PIMS CCMS (Completions & Construction Management Software)
- Co-operate with client supervisors and engineers to resolve construction bottlenecks with the principal contractor

Challenges

- Compressed timeframe for completions and commissioning
- Aligning construction subsystem prioritisation with commissioning subsystem prioritisation
- Dynamic critical path that led to ever-changing priorities

Solutions

The subsystem priorities between the completions and commissioning phases were occasionally in conflict. Coupled with a dynamic critical path, overcoming this issue required in-depth knowledge of subsystem interdependencies and constant communication between the completions and commissioning team.

Extensive SMP knowledge and experience were also crucial in setting out optimal timeframes for resolving construction issues that frequently arose.

Outcomes

There were no incidents or injuries that occurred with Vecta SMP engineering support.

The Client was able to meet their Customer's demands.

Want to Know More?

For more information please contact our office on +61 (03) 9326 9384, email info@vectagroup.com.au, or visit our website vectagroup.com.au