



## 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 Electrical & Instrumentation (E&I) supervisory 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:

- Co-ordination and field supervision of craft completing pre-commissioning & commissioning activities
- Test pack development including document revision control

- Procedure and Notice of Energisation (NOE) certificates preparation
- PIMS Completions & Commissioning Management Software (CCMS) / database and ITR reviews
- Isolation list and PTW development including SWMS and JSEAs
- Liaising with engineering for technical query close-out
- Reviewing as-built E&I drawings
- Daily reporting to management
- Attending daily meetings for completions, commissioning and SIMOPS
- Facilitating daily pre-starts, weekly team toolbox and return to work reset

## Challenges

- Compressed commissioning schedule due to construction delays and environmental disturbances in the region
- Dynamic critical path that led to ever-changing priorities
- Incomplete data and missing assets in PIMS CCMS.

## Solutions

As the critical path of pre-commissioning and commissioning phases proved to be dynamic, Vecta Group emphasised the importance of monitoring subsystem priorities and constant communication

between supervisors and commissioning management in order to ensure the craft was directed to the correct work fronts.

The experience and problem-solving capabilities of Vecta Group supervisors was also a critical factor in determining the cause of and rectifying technical issues that had arisen during pre-commissioning activities such as loop testing.

## Outcomes

There were no incidents or injuries that occurred under Vecta E&I supervision.

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

## Want to Know More?

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