



Auto Control Systems was approached to provide a turn-key automation solution for a multi-phase pump set for the New Zealand offshore oil and gas industry. Incorporating several bespoke design elements, this project tested our ability to work remotely in a challenging environment.

## CASE STUDY

## The Problem

This project presented several challenges, the most difficult being the remote location of the rig, meaning all design work depended on accurate measurements taken by the onsite staff, rather than our engineering team. We had to be mindful of the hazardous areas requirement and provide a solution that met compliance and OHS regulations.

## The Solution

Our team designed and manufactured the multi-phase pump controls to exact specifications. The system combined our expertise in Safety Instrumented Systems, Process control, Vibration monitoring and Hazardous area installation.

The technology Auto Control Systems used included:

- OptiSIS (Rockwell AAdvance)
- Allen-Bradley Control Logix PLC
- Dynamix Condition Monitoring
- Panelview Plus 7 HMI
- E300 Electronic Overloads

## Return on Investment

Auto Control Systems were able to provide a competitively priced complete product including design, build, installation and commissioning. Using one project partner for all these activities ensured the customer received continuity of service throughout the project phases.

As the first Rockwell Certified System Integrator in Australia to commission an OptiSIS process safety system, Auto Controls worked closely with the Rockwell product deployment team ensuring a fast turnaround on deployment issues and high level of customer satisfaction.

