

CASE STUDY

Plant Expansion

OUR CLIENT:	Tag Oil – Cheal Production Station
INDUSTRY:	Oil and Gas
VALUE:	NZ\$4.5M
OVERVIEW:	<p>A new gas processing plant was to be installed with the aim of meeting the Maui gas pipeline standards.</p> <p>The plant was to include; gas export compressor, refrigeration, and separators. The equipment was to be controlled 3 new PLC systems and a new Motor Control Centre (MCC).</p> <p>The existing DCS systems required upgrading to a server based Rockwell FactoryTalk View SCADA and the existing radio Modbus communications between Cheal and Vector were to be maintained.</p>
ENGINEERING:	<p>ECL Control System Engineers were responsible for the design, documentation, testing and commissioning the new systems.</p> <p>The project involved the following stages;</p> <p>Allen-Bradley ControlLogix and CompactLogix programming. FactoryTalk View SE SCADA and ME HMI development. Installation of server based SCADA system with multiple operator stations. Moxa Radio Modbus network with Vector's Omni flow computer.</p> <p>The commissioning was staged so that the impact on availability of the existing site was minimized.</p>

OUTCOME:

- The new processing plant met the standards for the Maui gas pipeline.
- The project was completed on time within budget with no lost time incidents.



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