

CASE STUDY

Turangi Production Station

OUR CLIENT:	Greymouth Petroleum
INDUSTRY:	Oil and Gas
VALUE:	NZ\$150K
OVERVIEW:	<p>The Turangi Production Station was a single train station with limited storage, it was not able to achieve the production levels required.</p> <p>The aim of the project was to upgrade the obsolete PLC and out of date SCADA systems to allow control and monitoring of a second production train and a new tank farm to enable improved availability and increased production.</p> <p>The second train would include a high pressure separator, low temperature separator, low pressure separator and stabilization.</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>Existing Allen Bradley SLC-5/05, replaced with Allen Bradley ControlLogix. Modbus communications to STOS Pohokura updated for oil export monitoring. SCADA updated to display second production train and tank farm.</p> <p>Commissioning was staged during planned shutdowns to minimize disruption to the existing train.</p>

OUTCOME:

- The availability of the station was improved and production was increased with minimal disruption to the existing train.
- The project was complete on time within budget with no lost time incidents.



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