

CASE STUDY

Master Metering Station Reconfiguration

OUR CLIENT:	Shell Todd Oil Services – Maui Production Station (MPS)
INDUSTRY:	Oil and Gas
VALUE:	NZ\$150K
OVERVIEW:	<p>One of the key projects during the MPS shutdown was to modify the pipework and control systems for the custody metering tubes at the Master Metering Station (MMS) to allow for a new configuration. The new configuration was a requirement due to a change in the use of the MMS.</p> <p>The MMS controls system utilizes a local Schneider PLC and Wonderware SCADA, communicating via Modbus RTU. The data is then repeated via Modbus RTU to the site DeltaV DCS, located in the MPS control room.</p>
ENGINEERING:	<p>An ECL Engineer delivered the software reconfiguration, I/O testing, commissioning, documentation and start up support for the local PLC and SCADA. This included full testing and commissioning of the communications to the site DCS.</p> <p>The ECL engineer liaised with the engineers working on the metering tubes and the DCS to ensure that the accuracy and resolution of the custody metering tubes was maintained.</p>

OUTCOME:

- The commissioning of the MMS was completed in time for the restart of the site
- The project was completed on time and within budget with no lost time incidents



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