

CASE STUDY

LPG Tanker Load Out System

OUR CLIENT:	Todd Energy Limited
INDUSTRY:	Oil and Gas
VALUE:	NZ\$100K
OVERVIEW:	As part of a green field LPG production facility, ECL delivered a standalone tanker load out system which interfaced tanker drivers and trucks with swipe card technology, via the control system, to a bespoke back end database loadout management system.
ENGINEERING:	<p>Green field LPG facility commissioned on time and within budget, including the bespoke LPG tanker loadout system. Engineering challenges included:</p> <ul style="list-style-type: none"> • Use of near field 'dual' technology access cards for the ECL Tanker Loadout System and the Cardex access system. • Hazardous area equipment selection and installation for the card readers, and tanker driver HMI. • Custom PLC interfaces for the card readers. • Business facing front end SQL database • ODBC connectivity from the PLC to the Database and • OPC connectivity from the PLC to the DCS • Mixture of Near Field card reader, Allen Bradley ControlLogix, EPM DeltaV and Microsoft SQL technologies.



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Full business facing back end database for administration and reporting



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