

CASE STUDY

Motunui Meth1 Restart

OUR CLIENT:	Methanex – Motunui
INDUSTRY:	Chemical
VALUE:	NZ\$2.5M
OVERVIEW:	<p>The Meth1 facility at the Motunui site was restarted in 2012 after a shutdown period of more than 5 years.</p> <p>A large percentage of the control systems and equipment had become obsolete and required upgrading or replacement. Some key projects ECL were involved with were; Safety shutdown system (SSDS) upgrade, automation communication network upgrade, Fox IA DCS expansion, vibration monitoring and governor systems for rotating machinery, utility package boiler, gas detection system upgrade.</p> <p>These systems were to be upgraded or replaced in parallel with mechanical overhauls of the equipment.</p> <p>The timescale for running up the Meth1 plant was 8 months. These projects were on the critical path of the site project schedule.</p>
ENGINEERING:	<p>ECL Control System Engineers were involved in or responsible for the design, procurement, documentation, installation, testing and commissioning of the upgraded or replaced systems above.</p> <p>For each system the documentation and drawings were reviewed against the current Methanex standards then redlined and updated where required.</p> <p>Regular review meetings were held to monitor progress and HAZOPs were conducted for each of the systems.</p> <p>These key projects had to be successfully completed in time for restarting the Meth1 facility.</p> <p>Without these projects being complete the Meth1 facility could not have been restarted.</p>

➤ All of these key projects were successfully completed, allowing the Meth 1 facility to be restarted.

➤ The projects were completed on time, within budget with no lost time incidents.



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