

CASE STUDY

PLC5 to ControlLogix Upgrade

OUR CLIENT:	Pan Pac Forest Products Ltd
INDUSTRY:	Pulp and Paper
VALUE:	NZ\$100K
OVERVIEW:	<p>Upgrade of unsupported PLC5 to ControlLogix based upgrade the control system for a de-watering press in its Napier Pulp & Paper Mill.</p> <p>The project whilst relatively small (250 I/O), was technically complex, and was critical to the production of the plant, which is one of the reasons the client has employed the specialist services of ECL to implement it. Without the successful operation of the press, the plant cannot operate.</p> <p>A short window of an 8 Hour shutdown once every 3 months meant critical attention to pretesting, and cutover planning and implementation.</p>
ENGINEERING:	<p>ECL engineers were responsible from the initial RFP submission, FEED and Detailed Design phases through to Commissioning: code development, engineering drawing markups, wiring schedules and documentation, testing, and commissioning, to replace the obsolete PLC5 with the latest Rockwell ControlLogix L81E based system.</p> <p>Use of the Rockwell conversion tools, plus additional hand coding of the interfaces and rationalization of IO cards, backed up with extensive testing and cutover planning provided the client with 'right first time' cutover.</p>



Startup, on time, no delays to plant production.

Use the right combination of Rockwell conversion tools and ECL interface management provided an error free conversion.

The project was completed on time, within budget and with no lost time incidents.

