

**University of Western Ontario,
London, Ontario
Duel Fuel Boiler Installation**



Client

Chorley & Bisset/University of Western Ontario

Project

Dual Fuel Boiler Installation and new Distributed Controls System (DCS)

Services

Engineering study, detailed design, procurement, design audit and project management

Project Description

Can Ecosse was subcontracted by Chorley and Bisset Ltd. to provide engineering services for the supply, installation and commissioning of a 100,000 pph Nebraska duel fuel, package steam boiler to accommodate the campus expansion and the addition of a new building to the central steam plant supply system. This was the first phase of the University's steam plant expansion and upgrade program to add one new package steam boiler to supplement steam output. The subsequent phases will replace the existing three packaged steam boilers that are at or past their anticipated operational life.

As part of the new package steam boiler installation a new Rosemount Delta V Distributed Controls System (DCS) was introduced for the Package Boiler Combustion Controls (BCS) system and Burner Management System (BMS). This is the first phase of the overall DCS upgrade program, which will include an expansion of the Delta V DCS to include a new plant master and addition BCS and BMS as the existing package boilers are phased out.

The project was completed in July 2003.



Can Ecosse Engineering Inc.