

Project : New toluene condenser & benzene reboiler
Montreal, (Quebec), Canada

Client : Coastal

Project description :

The COASTAL petrochemical plant wanted to achieve a significant reduction in the high pressure steam consumption of their benzene recovery tower.


Ultragen's process team was mandated to study a number of technical alternatives and these were evaluated using plant surveys and detailed process simulations. A reduction of the order of 15000 lbs/hr (7500 kg/hr) was successfully achieved via the implementation of a novel heat integration scheme.

Ultragen's dedicated multidisciplinary team was responsible for the design and layout of all the new equipment and high pressure piping and for the configuration and programming of the new control loops.

The instrumentation and control team successfully conducted the start-up and handover activities following the revamping of this unit.



Petrochemical



Year of realization : 2003
Project value : 5 M\$

Services offered by Ultragen :

- Process simulation of the Benzene unit
- Equipment design and sizing
- Optimisation of the piping layout using sophisticated 3D software
- Stress Analysis of the piping network
- Project management
- Construction management

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