



Project : Gasoline hydro treatment

Montreal-East (Quebec), and Sarnia (Ontario), Canada

Client : Shell Canada

Project description :

The new environmental regulations limiting the sulphur levels in automotive fuels led to the construction of new gasoline hydrotreating units at the Shell refineries in Montreal-East and Sarnia. Bantrel was the engineering firm responsible for the delivery of this project in a EPCM contract.

Working with Bantrel under a joint venture agreement, Ultragen was involved in the detailed engineering phase of both projects build around Axens proprietary gasoline desulphurisation technology. These projects involved the installation of 50 new equipments including their structural support along with the design of a new piping network requiring over 35 000 meters of total pipe length.

Ultragen designed the piping network and its support structures in such a way that they could be broken down into convenient shop-assembled modules, fit for road transportation. This has allowed for a significant reduction in the number of field welds and a speedy and efficient erection of the units in the field, as dictated by construction schedules among the tightest encountered for similar projects.



Refining

Year of realization :

2001 - 2002

Project value :

2 units of 50 M\$ = 100 M\$

Services offered by :

- Equipment and instrumentation specifications
- Procurement documents for the equipment and instrumentation
- 3D modelling, design and optimisation of the piping network
- Mechanical stress analysis of the piping network
- On-site technical support
- Pre-operative testing and start-up assistance

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