



A Rockwell Automation Company

## Trans Mountain Pipeline Company Ltd. SCADA System Assistance

### The Client:

Trans Mountain Pipeline Company Ltd owns and operates a batched crude and refined products pipeline from Edmonton to the West Coast. The Edmonton Tank Farm is the head of the pipeline, and deliveries are made at sites in Kamloops, Burnaby and

Washington state. Trans Mountain also owns and operates a Jet Fuel pipeline between refineries in the lower mainland and the Vancouver International Airport.

### The Requirement:

The existing SCADA system was design and built in-house. Support for the system had become increasingly difficult as the numbers of employees remaining with knowledge of the system dwindled. Trans Mountain required a SCADA system specification to be written that reflected their particular requirements and would be use to procure a new system.

Trans Mountain also wanted to keep the configuration portion of the system in-house to avoid a dependency on the SCADA vendor.

### The Design Solution:

Hinz was retained by Trans Mountain to write a request for quotation and to select, review and recommend the SCADA vendor that would supply the new system. The project started with a system study that was used to acquire the internal funding for the project. Once funding was in place a pre-qualification of SCADA vendors was performed requesting vendors to respond to a qualifications questionnaire. At the same time a functional specification was created that was used for requesting bids from potential SCADA vendors.

Hinz and Trans Mountain reviewed the responses and selected the best qualified vendor. A migration strategy was then created for Trans Mountain detailing the implementation strategy of integrating the new system.

Valmet Automation was chosen as the SCADA vendor

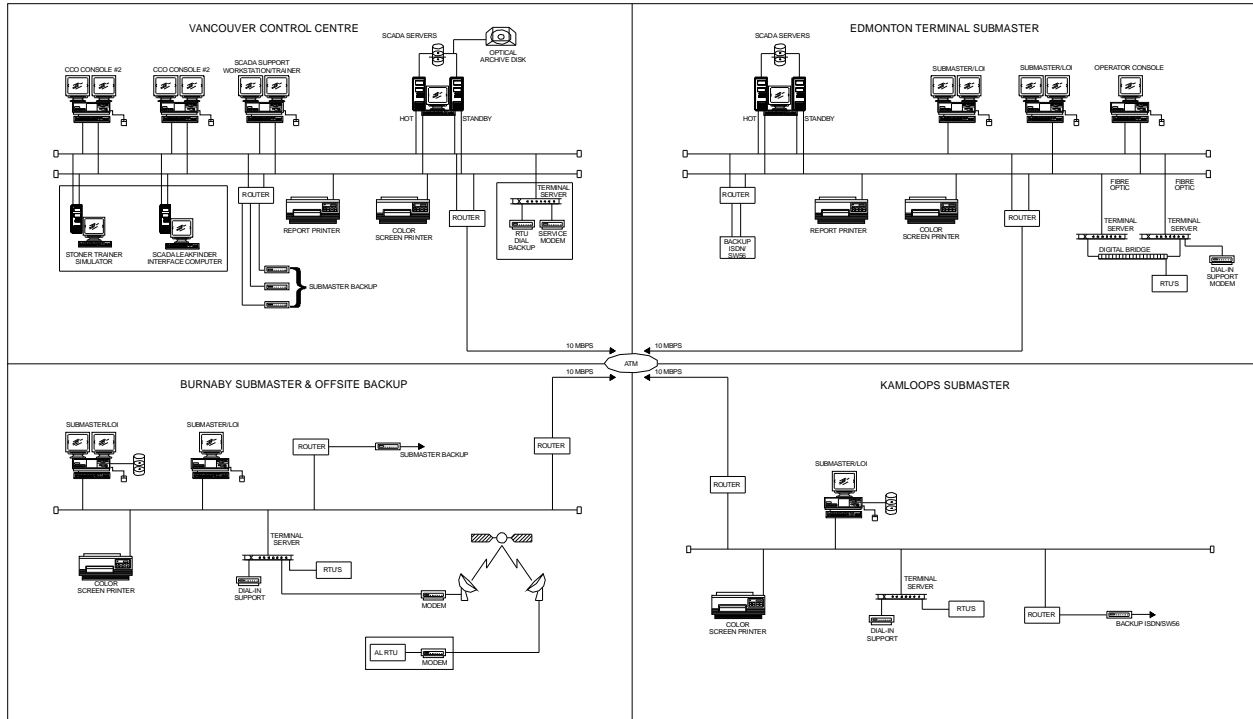
using OASyS version 6.0. This was the first oil and gas project for the new version 6 system.

A few months into the project, Trans Mountain requested that Hinz aid them in the configuration of the new system. Hinz completed database and display design for Trans Mountain and continue to aid them in configuration changes and enhancements.



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### System Specifications:

- Valmet OASyS ver 6.0 SCADA System
- Distributed Master Configuration
- Trainer / Simulation
- Interface to model / Leak Detection
- High Speed ATM Wan
- Switched 56k backup communications

For further information or to contact a Hinz office near you, please check our website at:

[www.hinz.com](http://www.hinz.com)