



A Rockwell Automation Company

Amoco Canada Petroleum Company Ltd. EDS Controls Upgrade

The Client:

Amoco Canada Petroleum Company Ltd. operates the Eastern Delivery System (EDS) Pipeline. It is approximately 200 kilometers in length and runs from Sarnia in the North to Greensprings in the South.

Portions on the line are reversible, which results in the pipeline operating like a yo-yo.

The Requirement:

Amoco Cochin pipeline supplies product to the EDS pipeline. The Cochin SCADA system already monitored some of the same stations as the EDS pipeline. If the Cochin SCADA system could be extended to encompass the entire EDS pipeline and if the system could be configured to treat the EDS system

as a complete and separate system, then the control center for the EDS system could be located remotely from the SCADA master.

The Design Solution:

Hinz was contracted by Amoco Canada to provide project management, engineering and integration services for the project. The contract included project management of the system detailing systems design, implementation, testing, and commissioning. The hosts system work involved configuration of the master SCADA system, business system interface, communications, and networking. The field system work involved configuration, programming and installation of station PLCs, flow computers, OASyS workstations for local monitoring and control, and local area networks.

The Cochin system was configured to include EDS as a separate system. The control centre is located in

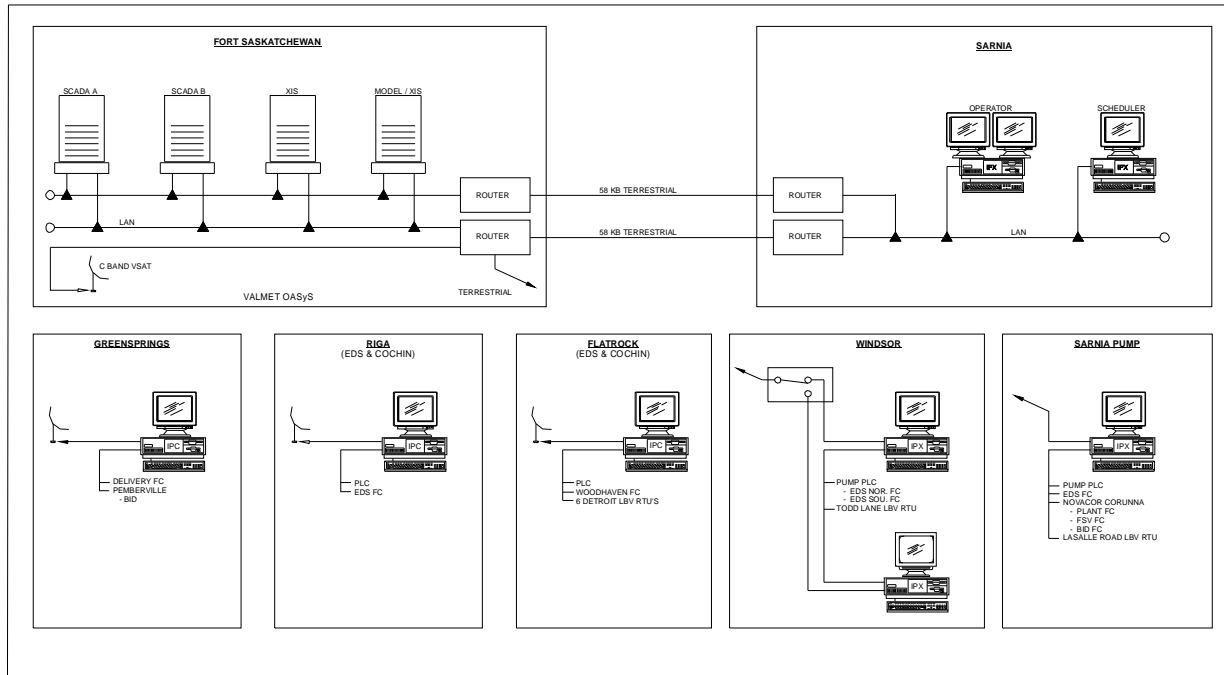
Sarnia, Ontario while the SCADA master is in Fort Saskatchewan, Alberta. The two sites are connected through a 56K baud terrestrial line. Batch tracking and leak detection are also separate on this pipeline from the Cochin system.

The EDS pipeline is separate from the Cochin system however the Cochin operators can cover for EDS in the event of a disaster or communications failure.



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System Specifications:

- Valmet OASyS SCADA System
- Daniel Flow Computers and RTUs
- GE 90/70 PLCs with Co-Pro modules
- Satellite communications System (VSAT) with terrestrial backup lines
- 2000 database points integrated into Cochin pipeline database server

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

www.hinz.com