

Canadian Oil Company Saves Nearly \$17,000 Annually with Direct Mount Pressure Transmitter

RESULTS

- Estimated savings of nearly \$500 per measurement point
- Material savings of over \$106 in instrument piping costs per transmitter
- Labor savings of over \$364 per transmitter



APPLICATION

Hydraulic lines on large valve actuators

CUSTOMER

Large producer of crude oil from oil sands in Canada

CHALLENGE

The first stage of their Upgrader Expansion (UE1) project included installing a third fluid coker, which is used to 'crack' bitumen molecules into lighter oils and gases. The UE1 project will increase the oil company's capacity by an additional 95,000 barrels a day with a 2005 total production goal of 360,000 barrels a day.

When the oil company began working on the UE1 project for bitumen processing, they quickly realized that they would need a compact, high-pressure transmitter to control the supply pressure on the hydraulic actuator lines. The 36" sliding gate control valves were so large that there wasn't space to direct-mount a traditional pressure transmitter. Typical compact transducers/transmitters provided neither the intrinsic safety approvals nor the reliability that were necessary for the classified areas found in a bitumen processing plant.

Since there was no room around the actuator to direct-mount a traditional pressure transmitter, they believed the only way to complete the installation was to remote-mount the transmitters using impulse piping, brackets, and other mounting hardware.

The Rosemount 4600 compact, high pressure transmitter provides best-in-class reliability and is available with the approvals necessary to be installed in classified areas.



Rosemount 4600

ROSEMOUNT

For more information:
www.rosemount.com


EMERSON
 Process Management

SOLUTION

The Emerson local sales representative quickly introduced the Rosemount 4600 Oil & Gas Panel Transmitter when he learned of his customer's problem. Not only did the 4600 allow the customer to use a direct-mount method of installation in his space-constrained application, it provided the approvals required to allow an intrinsically-safe installation without expensive conduit runs.

The Canadian oil company estimated that they saved an estimated \$500 per measurement point by using the 4600 over a traditional industrial pressure transmitter:

- Material savings of over \$106 in instrument piping costs per transmitter
- Labor savings of over \$364 per transmitter

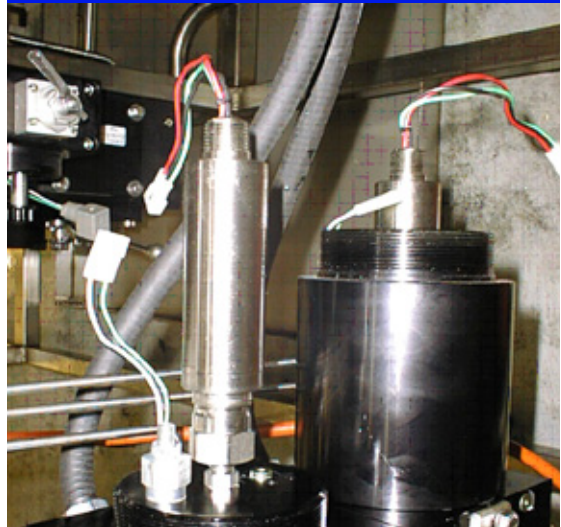
This amounted to a total installed cost savings of nearly \$17,000 for their company.

RESOURCES

Rosemount 4600 Oil & Gas Panel Transmitter

<http://www.emersonprocess.com/rosemount/products/pressure/m4600.html>

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Emerson Process Management

Rosemount Division
8200 Market Boulevard
Chanhassen, MN 55317 USA
T (U.S.) 1-800-999-9307
T (International) (952) 906-8888
F (952) 949-7001
www.rosemount.com

Emerson Process Management

Heath Place
Bognor Regis
West Sussex PO22 9SH,
England
T 44 1243 863121
F 44 1243 867554

Emerson Process Management

Emerson Process Management Asia Pacific
Private Limited
1 Pandan Crescent
Singapore 128461
T (65) 6777 8211
F (65) 6777 0947
Enquiries@AP.EmersonProcess.com

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For more information:
www.rosemount.com

