

Micro Motion Coriolis Meters Replace Ultrasonic Meters and Improve Accuracy and Efficiency

RESULTS

- Ability to verify delivery is in balance with usage
- Verifiable audit trail
- Eliminated maintenance for difficult to reach installations



APPLICATION

The Korean Panuslia Energy Development Organization (KEDO) measures all oil transferred to the Democratic Peoples Republic of Korea for energy production. KEDO will provide North Korea with \$60 million worth of fuel oil per year over the next ten years.

Flow measurement was performed using clamp-on ultrasonic meters. There is limited access to the sensors, which are located at remote sites, making maintenance expensive and inconvenient. An international engineering company based in the United States was contracted to improve KEDO's operations.

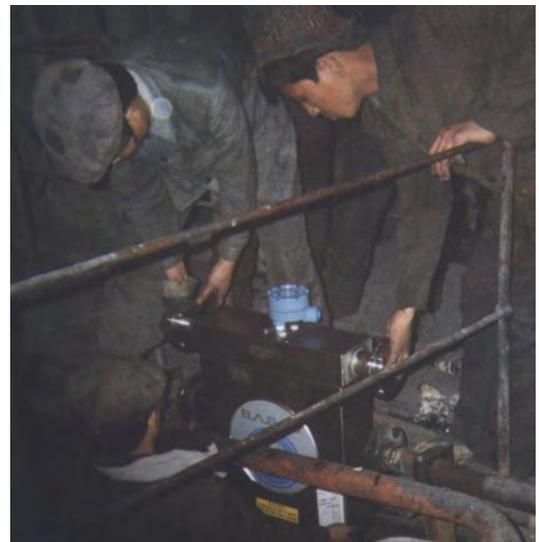
CHALLENGE

Because KEDO is providing North Korea with so much fuel oil, it wanted to ensure the oil was being used for energy production, not for other purposes. With the current process, discrepancies in delivery and usage are common, up to 30% in error.

For the new installation, the international engineering company required an accurate flowmeter to replace the unreliable ultrasonic meters. The replacement meters had to provide KEDO with a verifiable audit trail. The new meters also had to be inexpensive and, due to the limited access, require little to no maintenance.

SOLUTION

To replace the existing meters, the engineering company chose Micro Motion® Coriolis sensors and transmitters. The company determined the Micro Motion meters were highly reliable, required no maintenance and fit KEDO's budgetary constraints. The new meters were installed on all supply and delivery lines, as well as at points of consumption.



Being maintenance-free made Micro Motion meters ideal for these hard to reach areas.



For more information:
www.MicroMotion.com/power
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POWER

Since the installation, the Micro Motion meters have reliably provided greater rangeability and accuracy, which has significantly reduced transfer errors. In addition, the Micro Motion transmitters provide KEDO with traceability for verifying delivery is in balance with usage. Finally, true to the engineering company's expectations and requirements, maintenance has been eliminated.

