



MUNICIPAL CUSTOMERS REDUCE CERTIFICATION DOWNTIME WITH ROSEMOUNT™ SMART METER VERIFICATION

Application

Certification of Mag Meter operation

Customer

A municipal water treatment facility

Challenge

Facility owners must have their flow meters certified annually to meet regulatory requirements. In order to properly certify mag meters manufactured by others, the flow sensors and transmitters must be returned to the factory for testing or certified on site. The customer was previously paying for a local technician to visit the site once a year to calibrate the meter. To perform the certification, processes must be shut down to remove flow sensors and spool pieces must be installed when the meter is returned to the factory for calibration. Unless another meter is available, flow streams cannot be monitored during this process.

Solution

The Rosemount Smart Meter Verification diagnostic allowed Delta Process to provide the customer with a valuable service and produce an additional income stream for Delta. While the owner has the ability to perform the diagnostic, their preference is to have the authorized Emerson representative document the results.

The previous method for verifying the magmeter system was incomplete, as the technician only verified a portion of the magmeter system. Rosemount mag meters with Smart Meter Verification provide Emerson representatives the ability to prove the magmeter system is performing within its required accuracy. Written documentation of the verification is provided to the owner for their records.

Results

- Saved \$750 annually by eliminating required service calls to verify the measurement
- Saved \$3750 in just five years, covering the cost of the meter

Rosemount mag meters with Smart Meter Verification provide proof that devices continue to operate as originally designed and manufactured.



The Rosemount™ 8712 Magnetic Flow Meter Transmitter

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Flow meter installed in the discharge line leaving the station.



"Verified" tag on the face of the operator display.

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