

MEASUREMENT – FLEXIM

Precision Under Pressure

Validating flow without disrupting operations



CHALLENGE

A facility undergoing ownership transfer needed to verify the accuracy of a large water meter supplying a nearby town. The meter was heavy, installed on a line that couldn't be shut down, and lacked a backup. Traditional verification would require removing the meter, sending it to a calibration lab, and reinstalling it, incurring significant labour, crane, and downtime costs.



SOLUTION

Using a portable Flexim clamp-on meter with a NIST certificate, Spartan enabled accurate flow measurement without removing the existing meter or interrupting service. The meter was installed upstream by a local contractor with Spartan's support, and its readings confirmed the existing meter's accuracy. A third-party auditor validated the results, and the entire process took just a few hours.



VALUE

- Avoided 4 days of labour: \$12,800
- No crane required: \$20,000
- Saved shipping and calibration costs: \$13,000
- Miscellaneous supplies: \$200
- Total savings: \$46,000

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