



The Case of the Missing Water

Situation

A small engineering firm on the West Coast won the bid to provide a water usage survey to a major West Coast medical center. The center had been experiencing extremely high water usage bills for several months. The engineering contractor selected called Siemens Process Instrumentation in Hauppauge, NY, based on the advice of the local Siemens sales representative.

Challenge

The survey would be made on pipe sizes from 3 to 12 inches and on the 27 inch main supply line. Siemens supplied a rugged Sitrans FUP1010 portable dual channel flow meter with universal C3 & E2 transducer kits to cover the wide range of pipes to be monitored. The equipment was on its way within 24 hours after receipt of the customer's order.

Results

After one week of surveying the water lines, it was found that a 6 inch bypass valve had been left partially open, even though it indicated closed. This was causing some of the water to go "down the drain."

The medical facility's engineers re-checked and reset all the valves and immediately submitted a requisition to have the engineering firm come back after the next billing period to run the survey again. The engineering firm returned the rental equipment to Siemens in Hauppauge and issued a new order to rent it again the following month. The second survey proved that it was indeed the bypass line causing the problem. In fact, the medical center's water bill for that month was 25% less than the month before the first survey.

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Answers for industry.

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Benefits

Thousands of dollars were saved almost immediately and many more will be in the future, thanks to Siemens ability to respond quickly with the right tool to do the job.

The SITRANS FUP1010 clamp on flow meter provides accurate, non-intrusive flow measurement in full pipes. It is simple to install; pipes are not cut and operations

are not interrupted. FUP1010 has Wide Beam Transit-Time operation, which is ideal for relatively homogeneous liquids, with an accuracy of up to 0.5% of flow.

The FUP1010 unit is available in a standard portable or a rugged submersible portable enclosure. The FUP1010 system is frequently used as part of infiltration and in-flow studies, or as portable or permanently installed meters at treatment plants. Single and dual channel versions are available.



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