



# Keeping the Lights On

## Challenge

A well known New York power company needed a quick delivery on a portable clamp on ultrasonic flow meter. It was to be used as a survey tool for monitoring various turbine cooling water lines, ranging in size from 6 to 24 inches, throughout their large power generating plant. They did not want to shut down any lines while several of their in-house meters were being sent out for upgrade and calibration.

## Solution

Siemens Process Instrumentation in Hauppauge, NY, selected and supplied a rugged Sitrans FUP ultrasonic, clamp-on portable flowmeter that was configured to operate as a Dual Beam flowmeter with 2 sets of universal D2 transducers and all the appropriate accessories for maximum accuracy and utility.

The customer was so impressed with the equipment supplied, that later in that same year, they ordered two more of the rental meters, also configured as Dual Beam, to meet the demands of the various other departments now asking for accurate flow measurements. This was based on reports from their technicians about the accuracy of the first rental meter.

The customer continued to rent the Siemens portable clamp-on flowmeters, even after their dedicated meters were calibrated, returned and installed. In fact, they rented all three units for an extended period of time, using them to check their in-house meter's calibration and to monitor various other lines that didn't have meters on them previously.

At that time, they decided to convert the rental into "Used Equipment Purchases" and issued a purchase order to buy the rental units outright. When asked why

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Answers for industry.

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they did not purchase new equipment, their answer was, "We don't want to take your meters off line (because) our technicians have complete confidence in these particular units."

#### Benefits

Siemens FUP1010 and FUE1010 clamp-on ultrasonic flow meters are ideal for water management, plant survey, district energy, building management, and university HVAC applications.

Installation is quick and inexpensive because there is no need to cut the pipe or stop the flow. Maintenance expense is minimized since the externally mounted transducers do not require periodic cleaning and there are no moving parts to wear.

FUP1010 has a choice of standard portable and waterproof portable enclosures. Available in single or dual channel for purchase; while all rental units are supplied in the waterproof dual channel version.



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