

Water solutions from Sensus: Go beyond metering to intelligent water management.

OVERVIEW

Sensus is a global technology company providing electric, water and gas utilities with proven solutions to support more efficient management and usage of energy and increase water conservation to combat growing pressure on the global water supply.



Sensus, the world's largest manufacturer of water meters, is a leading utility infrastructure company offering smart meters, communication systems, software and services for the electric, gas, and water industries. The company boasts one of the widest installed Advanced Metering Infrastructure (AMI) bases in the world, with more than nine million smart endpoints currently deployed.

Sensus is at the forefront of technology advancements that address critical challenges for utilities, including aging utility infrastructure systems and resource conservation. Sensus helps utilities efficiently manage their resources through its FlexNet™ solution. FlexNet is a robust, high-powered and secure system featuring a two-way, fixed-base communications network that is based on open standards and operates on

primary use wireless communications spectrum licensed by the Federal Communications Commission.

Go Beyond Metering with AquaSense™

Helping utilities and consumers make the most of finite water and energy resources requires a long range vision of how the right technologies can support the delicate balance in the water ecosystem.

Sensus brings that vision to life with AquaSense™—an intelligent water management solution that combines the power of the FlexNet communications network with the innovation of Sensus iPERL™, OMNI™ and accuMAG advanced meters and software. With AquaSense, you can go beyond metering to true intelligent water management.

AquaSense spans your entire operation, realizing savings from day one, short-term payback and a technology that can be leveraged for 15 years or more.

The accuracy of an AquaSense solution lets you account for more water, thus enhancing revenue. Its communication and software functionality collects data and provides clear visibility into system status, increasing operational efficiency. And it helps further conservation efforts by using that data to proactively engage consumers in the water ecosystem.

An AquaSense solution is scalable to meet the needs of large and small systems alike. It's the right solution for today with expandable capabilities for tomorrow.

FlexNet Communications Network

The FlexNet communications network serves as the backbone of a suite of comprehensive smart grid solutions Sensus is delivering to water utilities. FlexNet enables water utilities to use two-way connectivity to monitor and control their entire infrastructure, from the treatment facility to homes and businesses.

Advanced Metrology: iPERL™ and OMNI™

iPERL™, an intelligent residential water management system and OMNI™, a line of intelligent water meters for commercial and industrial use, are leveraging the latest advances in metrology to help water utilities immediately increase revenue through unprecedented measuring accuracy and efficiency.

Accuracy: iPERL systems measure up to 12 percent lower flow rates than any other product currently available. A solid-state design with no moving parts ensures perpetual accuracy over the 20-year life of the product.

OMNI meters are based on advanced floating ball technology to provide more accurate reading and an extended flow range.

Efficiency: Due to reduced head loss and a design that significantly reduces the chance of blockage, iPERL can help a utility save on costs through reduced energy usage.

OMNI's only moving part in water is the floating ball. Decreased friction results in reduced head loss and ensures greater efficiency and less maintenance.

AquaSense is a complete water management solution that goes beyond metering to support a long-term vision for water utility operations.

The AquaSense solution, which combines the FlexNet communications network with iPERL or OMNI, provides water utilities with real-time access to accurate data including water consumption, reverse flow, leak detection, empty pipe and other potentially adverse events.

The integrated AquaSense solution (communications and metrology) also enables utilities to manage their entire distribution system remotely and through one common communications system, resulting in reduced labor costs and the ability to proactively identify and respond to issues such as leaks.

Sensus is changing the way that utilities interact with their customers. By sharing information with their customers such as real-time usage data, customers are better equipped to start changing their own behaviors to enable conservation.



The iPERL™ water management system is accurate, efficient and intelligent.

Company Snapshot

Sensus has evolved from a metering manufacturer to a leading technology company, providing electric, gas and water utilities with smart metering and communications solutions that enable the conservation of water and energy. Sensus customers have deployed more than nine million endpoints, saving more than:

- 600 trillion gallons of water
- 1.5 million metric tons of carbon dioxide
- 9 million miles for utility vehicles

Headquarters

Raleigh, N.C.

Solutions

Advanced Metering Infrastructure
Automatic Meter Reading
Demand Response
Distribution Automation
Home Area Networking
Metrology
Outdoor Lighting Control