



# Smart Water Leak Detection Solution

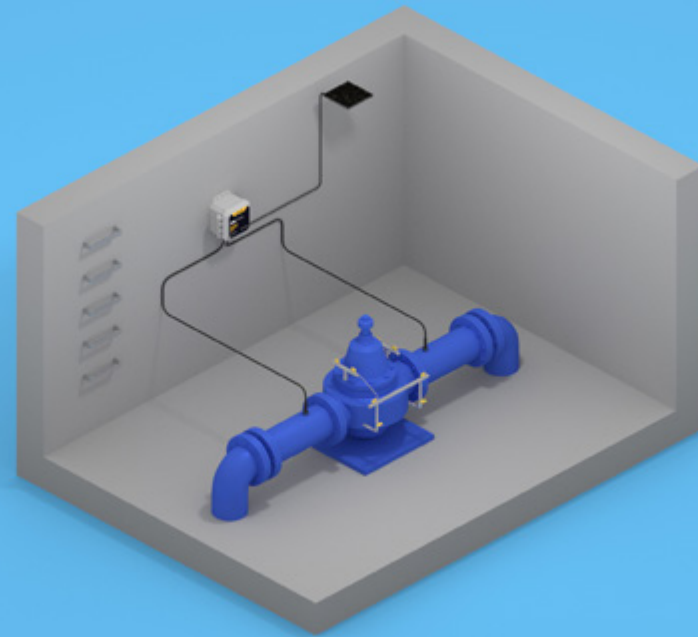


# The SentiSYS Water Leak Detection Smart Sensor Solution

Proactively monitor and detect leaks on your water network by leveraging the power of remote sensors, wireless networks, and real-time accurate data insights. Smart leak monitoring and detection solutions result in reduced leakage of non-revenue water, fewer pipe bursts, and a decrease in customer complaints.

SentiSYS delivers a smart leak detection solution from Trimble Water™. Our solutions team integrates fixed-base or mobile wireless sensors that monitor and detect leaks with a smart software solution that provides a real-time picture of the condition and integrity of the water network and informs when a leak is starting to develop, its exact position, and before it causes major damage.

We believe that smart technology should result in measurable benefits. Fewer water shutdowns and neighborhood construction work, cost savings that can be redeployed into other community investments, and improved water conservation and compliance results.



## Water Leak Sensor Network

The SentiSYS smart water leak sensor solutions are designed for monitoring both fixed sites as well as for mobile field inspections. Trimble Water, our partner, is a subsidiary of publicly-traded Trimble, and with the acquisition of Telog Instruments Inc., is a market leader in water sensors technologies for water utilities. Trimble Water offers a range of water flow, pressure, quality, and leak detection sensors.

The fixed leak detection solution includes sensors, leak detection receivers, wireless connectivity, and cloud-based analytics software. The mobile solution, the Trimble LeakLocator, also includes an Android application for in-the-field listening, leak survey, mapping and mobile correlation analysis.



## Smarter Networks from SentiSYS

Sensor networks can uncover hidden insights that allow local governments to make more timely and accurate operating decisions. SentiSYS designs solutions so that local governments can realize operating efficiencies, experience financial benefits, and gain economies of scale by deploying on a single wireless network and a consolidated data platform.

## Our Services

SentiSYS offers clients an end-to-end smart solution. We help local governments design, procure, install, and manage their sensor networks and their data. We work with trusted vendors and leverage proven project and change management methodologies to mitigate the risks associated with deploying new technologies. We believe that local governments can realize significant financial, operational, and quality of service benefits by deploying multiple IoT applications on secure wireless networks and a consolidated single-sign on data management platform.

## Features

- Low cost, accurate sensors that detect leaks as small as 1.5mm
- Measure intensity of leaks
- Mobile or fixed location sensors
- Cloud-based analytics software
- Operates on cell networks
- Monitor both small and large diameter pipes of both metal, PVC, or HDPE
- Acoustic and hydrophonic sensors

## Benefits

- Decrease pipe bursts and intervene before leaks cause major damage
- Lower Op Ex and Cap Ex
- Reduce customer complaints
- Acquire comprehensive and accurate picture of the water network
- Batteries provide an operating life of up to five years
- Mobile sensor application on android phones
- Minimize false positives thru continuous correlation technology
- Plug and play installation



MeterSYS is a smart solutions consultant and systems integrator. SentiSYS is our brand of our end-to-end smart community solutions. We have been delivering smart infrastructure solutions since 2015, primarily in advanced metering solutions, and our expertise is providing our public clients with an end-to-end reliable and cost-efficient wireless sensor network solution. We have expertise in vendor evaluation, bidding and procurement, project management, installation, systems integration, change management, and data management analytics and services.

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