

WATER MANAGEMENT MONITORING SYSTEM



Monitor Your Water, Anytime, Anywhere.

Infinity equips your water meters, supply lines and bulk storage tanks with non-invasive easy to install wireless sensors. By leveraging real-time water consumption data, our solution autonomously reveals unexpected water waste with unprecedented accuracy. Suitable for multi-residential, commercial and institutional buildings, our technology allows building owners and maintenance managers to track water consumption remotely and eradicate leaks.

Tank levels

Water management is a critical aspect of environmental management whether it is for stock, household drinking or irrigation. Infinity provides a complete solution to remotely [monitor tanks, troughs, ponds and irrigation schemes](#). You can view all your sensors on the Infinity webpage or mobile app with real time level measurements across your entire property. Low and high-water level alerts can be configured to send SMS and Email notifications providing advance warning of any issues.



Infinity ultrasonic sensors can be used in a variety of applications for measuring distances between the sensor and objects in its path. Infinity ultrasonic sensors are impervious to target surface and colour and feature auto-calibration algorithms which allow them to adapt to variable environmental conditions and compensate for temperature and humidity effects.

Pressure

Pressure monitoring of potable water is now easy. The Infinity pressure sensor can be used for [utility and industrial pipe networks](#) or for [level measurement in tanks and reservoirs](#). Infinity's wireless pressure sensor is designed to monitor water systems for faults through the fluctuation of pressure. The device offers a cost-effective and attractive alternative to traditional regular inspection visits by providing daily reports over a service life of approximately 5 years. The device can be configured with pressure thresholds that when crossed cause an immediate alert to be sent, thus giving Utility providers the ability to deploy resources more efficiently.



Infinity wireless pressure meters measure pressure and transmit the pressure measurement to the Infinity Cloud. By connecting the Infinity wireless pressure meter to a pressurized water supply line, it can measure the pressure within the line and send data to the Infinity Online Sensor Monitoring and Notification System. The data is stored in the online system and can be reviewed and exported as a data sheet or graph.

Water leaks

[Water leaks](#) can start small and go unnoticed for a long time. Even the smallest amount of water can seep into the flooring or walls causing structural damage and/or mould. Often water damage occurs in areas which are difficult to check on a regular basis.



Infinity wireless water sensors alert you via SMS text and/or email when there is water detected, preventing potential property damage that results from flooding or leaks. Place this sensor anywhere flooding or faulty plumbing could cause a problem. This sensor can also be used to detect a lack of water, allowing you to know when a container is nearing empty.

Water Consumption

The solution allows you to receive hourly water meter readings of your [actual water consumption](#), directly on your cell phone. By having this information readily available, you have the power to monitor and control your own water consumption. You will also be able to [detect water losses](#) quickly, through the unit's early warning alarms and [usage reports](#).



Infinity Aqua wireless water meter sensor is an application ready Sigfox enabled transceiver allowing to transmit data from pulse enabled water meters (Elster, Precision, Sensus and various other meter manufacturer compliance).

The Infinity Aqua provides connection to national and global network infrastructure for reliable and secure communications.

Water Temperature

Reducing the risk of Legionnaire's disease and Legionella with water systems can best be achieved using temperature monitoring and control. As Legionella thrives between 20°C – 45°C best practice should be to ensure the following temperatures are always maintained. **Hot water should be stored above 60°C, Cold water should be kept below 20°C.**



The Infinity wireless temperature sensors use a thermistor to accurately measure temperatures. These sensors are perfect for monitoring water temperatures around the sensor's physical location. User customization allows you to set the frequency of readings and the ability to set thresholds for alerts via SMS text and/or email.

Water Quality

From lakes and streams to coastal waters and estuaries, farms, commercial buildings, and homes, water quality monitoring is a critical practice carried out in countries across the globe. Monitoring water quality provides the objective evidence necessary to make sound decisions on managing water quality today and in the future.



The Infinity smart water quality sensor Smart Water is a product designed to detect the most relevant parameters related to water quality control. The device measures and sends the water condition data via the worldwide Sigfox IoT-network for data transmission, enabling very low lifetime cost and long battery life.

Monitoring Software

The Infinity wireless Sigfox sensors send the data directly to Infinity Cloud platform. The platform stores and analyses the data, informs users on any abnormalities, generates reports and sends them to users' emails. Platform is suitable for deployments with any number of sensors, no matter if it is a single device or thousands of them. Users can access the platform through web browser or a mobile application in any place in the World.



Infinity sensors use Sigfox communication protocols and can be easily integrated into third party IoT platforms, software solutions or mobile applications.

You can also leave the communication, security and the device management to us and make a cloud-to-cloud integration over RESTful API.

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