



5 Smart Ways

FACILITY MANAGEMENT CAN LOWER WATER COSTS

1. INSTANT WATER LEAK PHONE CALLS

Water leak detection in most commercial, residential, industrial or institutional buildings is a manual process. Leaks are discovered during regular inspections of water system infrastructure or when occupants report leaks – usually after damage has occurred. There is often a long period of time between when a leak occurs and when it is resolved. The smartest approach to leak detection is the one that shrinks this delay.

Battery-operated smart water leak sensors that use a cellular connection lead to faster response times to water damage events.

When a smart water leak sensor gets wet, it triggers an automated phone call to assigned users telling them exactly where the leak is happening. When Facility Management Teams respond faster, the cost of water damage is significantly reduced.

Another benefit to cellular-connected water leak sensors is that they require no infrastructural changes and can even complement legacy systems that are hard-wired.



“The hot water tank in mechanical room 12A is leaking”

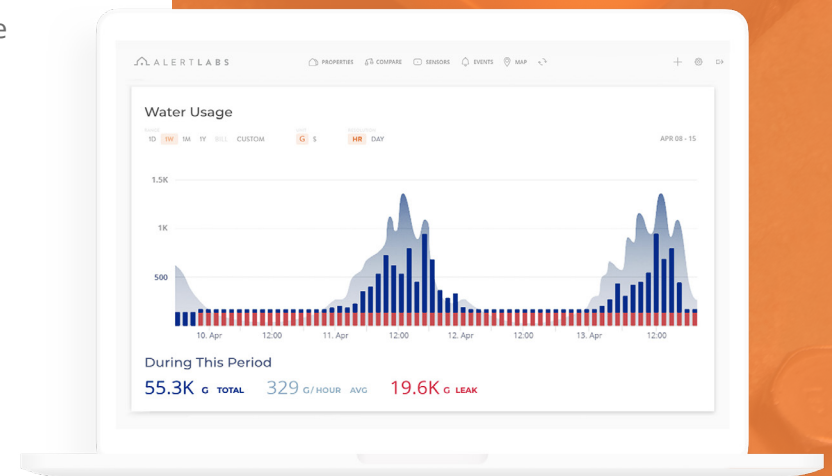
2. SMART WATER USE ANALYSIS

Similar to water leak detection, analyzing water use is a manual task that can be automated. Water bills are usually entered into spreadsheets to be compared month over month. If the water bill for commercial, residential, industrial or institutional buildings stays about the same, then it's assumed that there are no problems and the bill is paid. When there is a spike in charges, the potential cause is usually investigated. But this approach practically guarantees that buildings overpay for water. There is a delay between when the water use problem starts and when the water bill is received.

Smart water use analysis software gives Facility Management Teams minute-by-minute insight into water use.

The smart water analysis software establishes a water use signature for each building and if water consumption deviates, assigned users are alerted. Abnormal water use due to leaks or inefficiencies such as cooling towers that cycle too frequently can be identified automatically leading to a reduction in water use and associated costs.

The software can even detect pre-existing leaks that were assumed to be part of normal water use for years. Smart water flow sensors and software provide greater opportunities for teams to save on water costs.

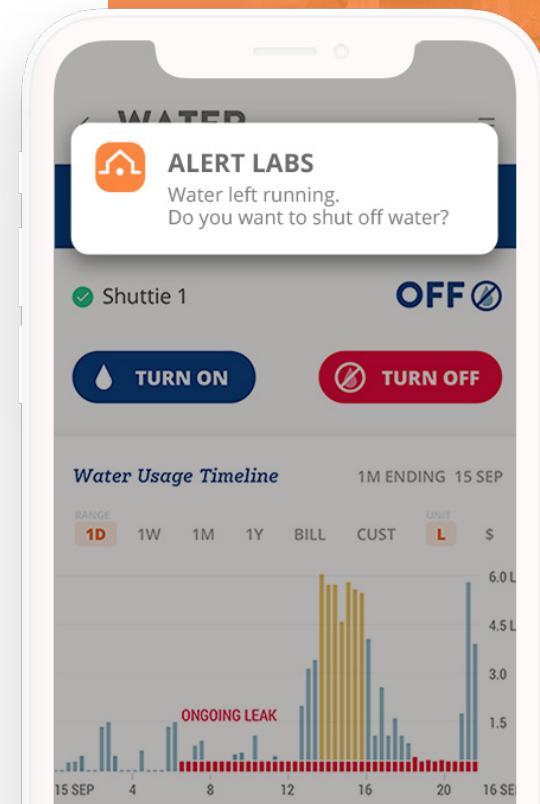


3. AUTOMATIC WATER SHUT-OFF

Shutting off the water at commercial, residential, industrial or institutional buildings usually requires a maintenance team member to be onsite to physically close the valve off. In the best case scenario, leaks that require the water to be shut off happen during regular hours when there are more staff available to respond. But leaks don't follow a schedule.

Smart water shut off valves can be controlled remotely with the push of a button on a smartphone.

Smart water shut off valves can also communicate with water leak sensors to automatically shut off water if a sensor gets wet or the flow rate goes above a certain threshold -- for example, at 3 a.m. when most commercial, residential, industrial or institutional buildings should have reduced water consumption. Remotely controlling water flow reduces water damage risk and is another smart way to lower water costs.

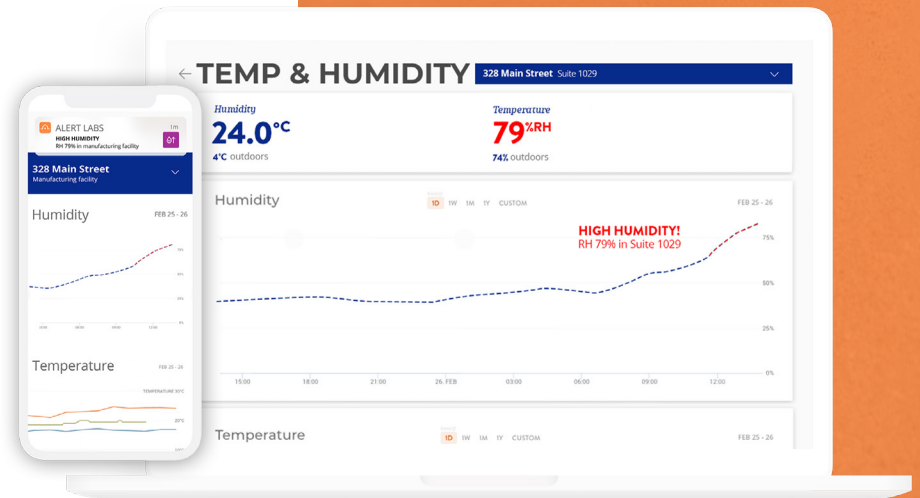


4. TEMPERATURE AND HUMIDITY ALERTS

Mold growth, unsafe living conditions or frozen pipes that burst are hazards that are typically managed with a labor intensive approach. Maintenance team members go from area to area recording temperature or humidity levels and entering the numbers into a spreadsheet. This requires constant monitoring from staff and becomes more and more difficult with each additional square foot of real estate.

Smart temperature and humidity sensors that track all readings and send alerts when levels are outside of a safe range make it much easier to manage multiple commercial, residential, industrial or institutional buildings and better allocate resources.

With smart temperature and humidity sensors, one glance at a smartphone tells Facility Management Teams that the temperature in each mechanical room of a building is at acceptable levels or an alert can tell teams that an A/C system has stopped working because humidity is above 60%. Smart temperature and humidity sensors help protect people and buildings and lower operating costs.



5. WATER INTELLIGENCE PLATFORM

For Facility Management Service Providers that oversee a portfolio of commercial, residential, industrial or institutional buildings, establishing a benchmark of water use can be challenging. A combination of manual data entry, differing billing cycles and other obstacles make this a tough task. The best solution for tracking water use and events is a single platform which can be shared throughout the organization.

A water intelligence platform can track all water damage events, water use information, temperatures, humidity, power loss events and allow users to turn on and off water flow.

A water intelligence platform can also automatically generate reports which can be sent to key stakeholders.

It can make operations more efficient, help protect people and buildings and lead to lower water costs.





ABOUT ALERT LABS

Alert Labs Inc. provides award winning water and A/C intelligence solutions with the AlertAQ™ platform and IoT sensors designed and built in North America. Founded in 2015, the company helps organizations to protect assets, lower operating costs and increase sustainability at their buildings. Alert Labs analyzes more than 25,000,000,000 gallons of water every year, has saved customers over \$20,000,000 and has reduced CO2e emissions by over 29,000,000 pounds. Alert Labs is a subsidiary of Florida-based Watsco Inc. – the largest HVAC/R Distributor in North America.

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