



Wireless Sensors Use Case: Media and News

The Problem:



Monnit was contacted by the regional IT manager of a television broadcast station. They came across Monnit's wireless sensors while looking for a solution to an issue they had in one of their station's video editing rooms.

While the facility was vacant after hours, they had a plumbing leak caused by a degraded water heater. Water leaked into their video editing room causing severe damage to several of their computers and video processing/editing equipment. They had an existing system to monitor temperatures and humidity, however they had no water detection system in place.

The Solution:



Monnit provides a reliable remote monitoring solution that includes wireless water detection sensors as well as a variety of other useful sensors. The company deployed wireless water sensors by each water heater and in each bathroom of the building to monitor for water leaks. They also deployed water sensors and additional temperature sensors in each of their production and editing rooms, as well as in their server room and data closets.

The sensor data is sent wirelessly to a MonnitLink™ gateway placed in a central data closet. The gateway sends the information to iMonnit™, the online sensor monitoring system where it is accessible from any web-enabled device. The wireless water sensors detect immediate presence of water, and the temperature sensors were set to check temperatures every half hour. Notifications were setup to alert certain staff members if water is detected or if a temperature is below or above normal operating range.

Wireless Sensors Used

Wireless sensor used:	How it was used:
Water sensors	To detect immediate presence of water around water heaters, plumbing fixtures, and IT/computer areas.
Temperature sensors	To monitor and track temperature in their server room, data closets and video production/editing rooms.

The Result (Cost Savings)



Before implementing Monnit wireless sensors, this television station had to repair the water damage to their facility. This included replacing some carpets and baseboards, as well as having to replace/repair the computers and video editing equipment that was damaged costing them over \$115,000. For an investment of ~\$1,100, the company deployed 12 water sensors, 6 temperature sensors and a gateway.

Since installing the system, water sensors detected an incident where a toilet was overflowing and water covered the floor of the rest room. Maintenance staff was alerted immediately and the issue was resolved before water was able to spread outside of the area. Had the water sensors not notified them, there was a high probability that they would have experienced a repeat of their previous incident.

Using Monnit's comprehensive monitoring solution this property management company is now able to:

- Prevent costly damage due to plumbing and water heater leaks.
- Protect servers, computers and high-end electronic equipment from water and temperature damage.

It doesn't matter where in the world you are or what time it might be, deploying a Monnit wireless sensor and monitoring solution connects you from anywhere, 24/7 so you'll know immediately when a problem starts.

