



## Wireless Sensors Use Case: Schools and Churches

### The Problem:



Monnit was contacted by a property management company responsible for maintaining a group of charter schools in their county. They came across Monnit's wireless sensor solution while looking for a way to lower costs associated with managing and maintaining their properties.

They had an issue in one of their schools over the weekend when nobody was at the location. One of the toilets in a bathroom had clogged and malfunctioned causing it to overflow continually over the weekend. The property manager got a call Monday morning letting him know that there was 4 inches of standing water throughout the school.

### 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 property management company deployed wireless water sensors in each bathroom of the incident school as a pilot. They also decided to deploy wireless open-closed sensors on each entrance door to monitor building access after hours. Monnit wireless gateways support up to 100 wireless sensors each, so they decided to deploy wireless open-closed sensors on each entrance door to monitor building access after hours and also deployed temperature sensors in their boiler room to monitor the output of their heating system.

The sensor data is sent wirelessly to a MonnitLink™ gateway placed in the main office. The gateway sends the information to iMonnit™, the online sensor monitoring system. The wireless water sensors detect immediate presence of water, the open-closed sensors detect building access after school hours and the temperature sensors were set to check temperatures every 2 hours. Notifications were setup to alert the property manager and school principal if water is detected, the building is accessed after hours or if temperatures falls too low.

