

DOWNTOWN OFFICE BUILDING IN CINCINNATI, OHIO

INTELLIGENT CONTROLS PREVENT COSTLY WATER DAMAGE TO HISTORIC BUILDING.

In a city settled in 1788 on the banks of the Ohio River, office building in downtown Cincinnati can offer historical charm. But when it comes to optimizing building systems, this charm often leaves room for improvement.

Part of the historic legacy of this seven story, 100-year-old building is the heating and cooling system. Water is piped through the floors of the building to heat or cool the facility according to demand.

When Air Force One designed the building automation system for the facility, water alarm sensors became a necessary component. These sensors detect leaks, set to thresholds that trigger alerts to designated individuals in real time when water is detected.

On a recent Friday night one such alert came through to an Air Force One team member and the building's facility manager. Water had begun to leak from one of the units – after business hours.

Because of the automated alarm sensors and notification system, the team got the alert via email and was able to shut down water in the building that evening. They isolated the leak, preventing water from soaking the entire facility over the course of the weekend and saving thousands in water damage.