

CASE STUDY

Providing Protection for University Dormitories

LOCATION

Southeastern university of more than 27,000 undergraduate students provides on-campus housing for more than 31% of the student population. Housing accommodations include a community-style option with double rooms and shared bathrooms.

PROBLEM IDENTIFIED

Thawed frozen water pipes resulted in 1.2 million dollars of damage to the suite-style, on-campus dormitory.

SOLUTION

The university installed valves/actuators on all water main shut-offs to prevent re-occurrence.

Then, wireless communication hubs were installed in the areas serviced by the main shut-offs and integrated into a cloud-based central monitoring system (CMS).

Now, the installed wireless sensors detect water at the leak points and automatically shut off the water. Temperature monitoring is added protection by the wireless sensor. If the ambient room temperature goes below 40°F, the system will alert staff of the location via the wireless WASENS app and the CMS monitor all systems.

