

PARTNERING FOR

SAFER AND SMARTER SCHOOLS



Data-Driven Intelligence. Proactive Maintenance. Smarter Service Delivery.

HOW ARE YOU MEETING PARENTS' SAFETY EXPECTATIONS?

When it comes to education, there are many pressing issues on parents' minds. One of the top issues is safety. They want to know their children will be safe when they send them off to school every morning. Safety covers a wide range of issues — from building security to airborne illnesses to food safety.

School districts are embracing support systems that provide peace of mind that their children are safe and comfortable. These same systems provide administrators with state-of-the-art ways to maintain buildings and lower operating costs.

AIWX™ CONNECT DELIVERS DATA-DRIVEN INTELLIGENCE

AIWX™ Connect is an intelligent, data-driven, Internet of Things (IoT)-based building monitoring system that delivers a unique, proactive building security and maintenance solution. From water or moisture damage prevention to sustaining air quality to entry access monitoring, school districts across the country are already experiencing the many advantages AIWX™ Connect provides to keep their students and buildings safe.



AIWX™ CONNECT: DELIVERING THE NEEDS OF YOUR DISTRICT

AIWX™ Connect leverages sensor technology that remotely monitors actionable building conditions and occupant needs based on real-time activity. Alerts are delivered based on building performance, environmental condition, equipment health, occupant safety, and satisfaction levels. Access to these insights increases operational efficiencies, improves productivity, avoids costs associated with damage and waste, improves environmental conditions and provides parents and district administration peace of mind.

The system delivers capabilities for an array of challenges school districts are facing in health and safety, maintenance and cost avoidance and risk management. **The AIWX™ dataflow works completely outside of your institution's existing Wi-Fi network.**



VIBRATION MONITORING



DOOR MONITORING



INDOOR AIR
QUALITY MONITORING



SERVICE REQUEST



VAPE DETECTION

HEALTH AND SAFETY



Door Monitoring — Delivers 24/7 tracking of opened and closed status of exterior and interior doors. An aerial map on the dashboard provides remote monitoring views and customized, real-time alerts are triggered when doors are opened based on thresholds set by the individual school district.



Service Request — Offers teachers the ability to discreetly escalate classroom needs, such as in emergency situations. Push-button devices installed below or near their desks can dispatch real-time alerts to appropriate departments for immediate action, including requesting a nurse or calling security without disrupting classroom activity.



Vape Detection — Provides a health and safety device that can be implemented in secluded areas, such as restrooms and stairwells.



Indoor Air Quality (IAQ) Monitoring — Captures temperature, humidity, and CO2 levels of indoor air to help maintain healthier environments and better energy management.

CONDITION-BASED MAINTENANCE



Vibration Monitoring — Continuously monitors the condition of rotating equipment to inform corrective actions that reduce operational disruption and costly unplanned repairs as well as extend asset life.



Filter Monitoring — Monitors air filter condition to keep them clean and functioning at optimum capacity, ensure clean, healthy air throughout school buildings on a demand-based schedule

COST AVOIDANCE/RISK MITIGATION



Refrigeration Monitoring — Captures real-time freezer, refrigerator and cooling unit temperatures and humidity levels. Real-time alerts are sent when temperature and/or humidity condition goes outside of the customized threshold. Sensor monitoring avoids food spoilage, inventory losses and disruption to dining operations.



Water Leak Detection — Sends instant alerts when water is detected, such as from a roof leak or broken pipe. Avoid costly repairs and program interruption from water damage.



REFRIGERATION MONITORING



WATER LEAK DETECTION

PREVENTIVE VS CONDITION BASED MAINTENANCE

Traditional preventive maintenance programs often have many limitations in a school district:

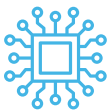
- Building data is manually logged and intermittently, rather than captured continuously and in real-time
- Potential issues are only proactively discovered during scheduled maintenance periods
- Equipment may be over-maintained, leading to added expense
- Lack of real-time insight into equipment and building condition

With wireless sensors and data intelligence, school districts gain these advantages and more:

- 24/7 continuous monitoring and diagnostics of critical areas
- Improved resource allocation as maintenance is performed based on actual need
- Avoid costly repairs, operational disruptions and unsafe environments
- Improved equipment reliability and uptime

HOW IT WORKS

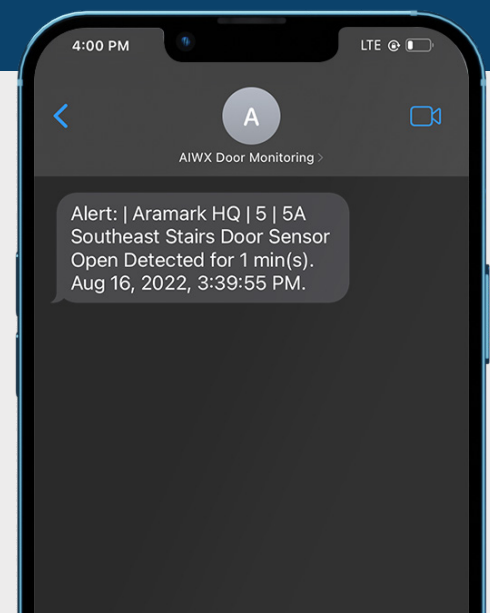
To monitor remotely, AIWX™ Connect operates via two primary functions:



Sensors — Placed in strategic areas, such as in rooms or on equipment, where they continuously monitor conditions. Text or email alerts are sent when conditions go outside the acceptable threshold.



Central control platform — Remote sensors deliver feedback to the platform, which includes a notification system and reporting dashboards. If conditions vary outside of established thresholds, the system sends an alert. Additionally, data collected over time provides insights for strategic planning and budgeting. The system is flexible and can be configured to interface with other systems in use at the school.



Alert formats are flexible and can be customized to meet each school district's preferences.

SMART BENEFITS — GAIN A PARADIGM SHIFT IN STUDENTS' HEALTH AND SAFETY

AIWX™ Connect enables school districts to deliver safer environments and attain several critical benefits, including:

- Making environments safer for students
- Giving parents greater peace of mind
- Providing specific avenues for parent communication
- Helping teachers feel more secure
- Reducing operational risks
- Detecting issues before they become disasters
- Lowering energy and maintenance costs
- Extending the life cycle of critical equipment

SUCCESS STORY: THREE RIVERS SCHOOL DISTRICT (OR)



73% COST AVOIDANCE OF FOOD WASTE IN JUST 5 MONTHS OVER PRIOR YEAR

Three Rivers School District experienced historical instances of unseen refrigeration unit outages, resulting in costly food waste. Two months after installation, AIWX™ refrigeration monitoring sensors detected a unit outage over Christmas break while no one was onsite. Early detection enabled service to be delivered promptly. The real-time alert resulted in a \$4,500 cost avoidance from food waste. Three months later, another incident resulted in an avoided \$3,700 in food spoilage costs.

DESTRUCTIVE FAILURE IN WATER PUMPS AVERTED WITH EARLY-WARNING NOTIFICATION

Using AIWX™ vibration monitoring for continuous diagnostics, the district discovered unsatisfactory conditions with a hot water centrifugal pump. The service team immediately took corrective action to bring the pump's condition to an acceptable status. This saved over \$4,100 in pump replacement, eliminated operational disruption due to unforeseen failure and extended the life of the asset.

\$70K ESTIMATED COST AVOIDANCE IN GYMNASIUM WATER DAMAGE

After losing a gym floor due to a water leak, the district wanted a way to forewarn of future hazards. AIWX™ Connect sensors detect the presence of unwanted water and alert maintenance staff. The system proved its value by identifying a burst water line over a holiday break. If the issue had gone undetected, it could have caused an estimated \$70,000 in damage.

ACHIEVE YOUR DISTRICTS' SMART BUILDING AND STUDENT SAFETY GOALS

AIWX™ Connect delivers multiple opportunities for school districts to make their buildings more intelligent, ensure better building performance and keep students safer. Learn how your K-12 school can achieve these smart goals.

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