



**kepSmart**  
For Schools

# Building System Retrofits Perfected!

The SMART way to take control of the efficiency, effectiveness and maintenance costs of your current HVAC system.



Reduce heating and cooling costs up to 55% with  
**NO OUT-OF-POCKET COSTS!**

# Smart Retrofit Solutions

**kepSmart** is a patented AI-driven software and wireless network of sensors/actuators that is unmatched in eliminating energy waste in all school's legacy HVAC systems. It:

- Looks at the building as a whole
- Prioritizes which zones need to be heated/cooled first
- Reduces each heating/cooling cycle
- Eliminates Hot and Cold spots
- Pays for itself with the savings



## INTELLIGENT HEAT PUMPS

- Advanced AI-assisted control algorithms to optimize heating and cooling across all occupied spaces while minimizing energy use and carbon emissions
- Intelligent scheduling automatically adapts to building usage, with enforced hard setbacks during nights, weekends, and holidays to eliminate unnecessary energy consumption
- During operational hours, spaces are heated or cooled only when required, ensuring comfort without waste
- Each unit integrates high-precision CO<sub>2</sub> sensors to dynamically regulate fresh air intake—delivering healthy indoor air quality while avoiding excessive ventilation losses.



## INTELLIGENT RADIATOR CONTROLS

- Temperature controlled Virtual Zones with the installation of IRCs on in-room radiators
- A communication infrastructure connecting every Virtual Zone, creating a fully networked building
- Powerful AI-driven software dashboard available online or mobile app, that provides alerts and the ability to view and control the temperature of every Virtual Zone
- Integration with any existing boiler management system that is in place (but we can replace that too) and BACnet communication to other building management systems.



## INTELLIGENT UNIVENT CONTROLS

- Networked solutions designed for the exact maintenance and control challenges you face, upgrading your legacy heating system, providing you with the visibility to micro-manage everything for maximum efficiency and cost containment
- Save time and service expense by eliminating the current unreliable controls
- New controls install in minutes and communicate wirelessly with your dedicated online portal
- View and manage every device, maximizing the efficiency, effectiveness and fresh air mix in every room.



## INTELLIGENT BOILER CONTROLS

- Monitor real-time room temperatures
- Receive instant alerts if the boiler isn't operating correctly
- Eliminate hot and cold spots throughout your school
- Track boiler runtime and local outdoor temperature
- Set daytime and nighttime temperature schedules
- View live video and audio from your boiler room, anywhere.



## INTELLIGENT PIPE MONITORING

- Monitor Pipe Temperature
- Know the temperature of your At-Risk Freeze Locations
- Receive instant alerts and act before costly water damage and instructional disruption.

# Cut Costs. Boost Comfort.

*No Upfront Expense.*

# One Game-Changing Infrastructure. Unlimited Building Retrofit Solutions.



Wireless, networked solutions visible and manageable in real-time via your own online portal.

## We Make All Schools Smart and Smart Schools Smarter!

## CALL OR EMAIL US TODAY FOR A FREE SURVEY.



# kepSmart

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