



A Smarter Platform for Managing Your K-12 Schools

Experience total control with the
i-Vu® Building Automation System



Your Partner in K-12 Success

Balancing student comfort, energy efficiency, and complex facility demands in your K-12 schools? Carrier understands the challenges schools face — from tight budgets to evolving regulations. Our building automation solutions help you create healthier, more comfortable, and more sustainable learning environments without compromising operational efficiency.

i-Vu® Building Automation System



The i-Vu building automation system streamlines operations to help create healthier and more efficient buildings. Designed to work seamlessly with Carrier HVAC equipment, it helps enhance learning environments, boosting student focus and test scores through improved air quality and comfort.¹ Whether you're managing a single school or an entire district, i-Vu helps optimize comfort, energy savings, and operational efficiency.



Intuitive User Interfaces

Access and manage your schools from a single, user-friendly interface, whether on a mobile device, PC, or via our intuitive wall-mounted interfaces.



Intelligent Space Sensors

Monitor temperature, relative humidity, and indoor air quality (including CO₂ and VOCs). Use sensor readings to invoke smart control strategies like Demand Controlled Ventilation (DCV), to optimize fresh air in classrooms and common areas.



Smart, Open Controls

Native BACnet controls are optimized to work with Carrier HVAC equipment but flexible enough to work with any HVAC equipment. Pre-engineered control algorithms and graphical programming provide ultimate flexibility for any building application.



Carrier Controls Experts

Choose from a range of factory-certified Controls Experts in your area to help manage your entire i-Vu installation and provide ongoing maintenance and support.

¹Source: COGfX study - Retrieved from <https://thecogfxstudy.com/why-you-should-care>



Outcomes You Can Count On

Carrier is uniquely positioned to help address your K-12 challenges.



Maintain Healthy Learning Environments: Our i-Vu® system helps provide precise control of temperature, humidity, indoor air quality, and ventilation to help reduce student illness and absenteeism while optimizing cognitive performance.



Lower Energy Bills: Smart scheduling, predictive maintenance, and smart HVAC control sequences work together to reduce waste, while lighting and system automation deliver cost savings throughout the year.



Ensure Versatile Space Utilization: Schools cater to diverse uses and fluctuating occupancy patterns, including evening events and community functions. The i-Vu system adjusts to these dynamic conditions, facilitating automated set point and schedule modifications without the need for manual input.



Simplify Operations: i-Vu seamlessly integrates with school networks for centralized control of HVAC and lighting systems. Proactive alerts and diagnostics streamline maintenance, minimizing disruptions and reducing costly downtime, so you can focus on education.



Meet Sustainability and Compliance Goals: School districts often face the challenge of adopting sustainable practices, complying with environmental regulations, and reducing their carbon footprints. The i-Vu system is instrumental in helping schools meet these important objectives.

Real-Time Visibility Available 24/7/365

Our intuitive software makes it easy to manage equipment, systems, and facilities from anywhere. i-Vu® offers guided insights, trend analysis, alarms, thermographic color floor plan displays, intuitive dashboards, and more. Best of all, you can tailor the deployment of your building automation server according to your specific needs.

Flexible Deployment Options



On-Premises

- i-Vu server software comes preinstalled on a compact appliance
- Supports up to 750 controllers
- Automatic software updates



On-Premises

- Software only; i-Vu server sold separately
- Unlimited simultaneous users
- Available in 5 different software versions to accommodate different project sizes



Cloud

- i-Vu server software is cloud-hosted, reducing your support burden
- BACnet Secure Connect (BACnet/SC), keeps on-premise building automation networks secure
- Automatic software updates and database backups



Controls for Every Application

Our smart controls help you maintain precise control of your educational environments while helping you meet sustainability goals. They also help ensure seamless integration to other building systems for comprehensive monitoring and control through a single user interface.

Application-Specific Controllers



- **Flexible Installation:** Can be factory or field-installed, easily integrating with both new and existing HVAC systems. Application-specific control sequences optimize equipment performance. Zoning controls allow individual classroom management of temperature, ventilation, and indoor air quality, promoting healthier and more focused learning environments.
- **Open Standards:** Native BACnet communication and BACnet Testing Laboratories (BTL) certification for easy integration with other building systems like boilers and lighting.
- **Industry Standards:** Supports ASHRAE Guideline 36 and Title 24 standards for ventilation, energy efficiency, and code compliance in educational facilities. Also supports Fault Detection and Diagnostics (FDD), to proactively identify and address equipment issues before breakdowns, minimizing costly repairs and ensuring continuous, optimal HVAC operation.

General Purpose Controllers

- **Versatile:** Supports diverse HVAC needs for precise control of classrooms, auditoriums, gymnasiums, and more.
- **Extensive Library:** Pre-built control sequences for common K-12 applications like air handlers, boilers, chillers, fans, and lighting simplify setup and installation.
- **Customizable:** Graphical programming allows for tailoring to your unique needs.



Chiller Plant Optimization

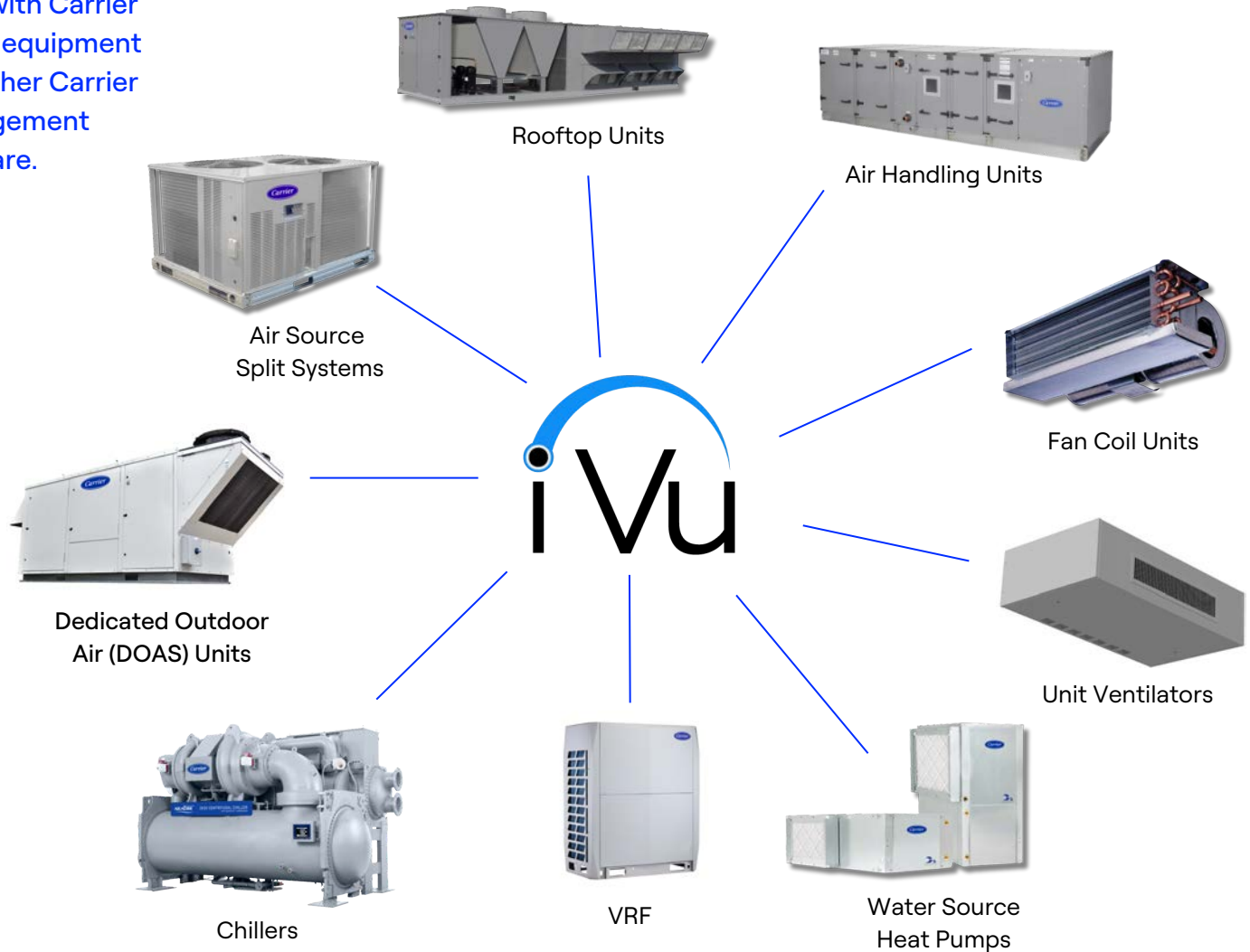


- **ChillerVu™ Plant Control:** Coordinates and optimizes overall chiller plant operations—including chillers, pumps, and cooling towers—for maximum efficiency across your school campus. This reduces energy costs and ensures reliable chilled water for classrooms and learning spaces.
- **Chilled Water System Optimizer:** Improves the efficiency of the entire chilled water distribution system within school buildings. By intelligently optimizing chilled water flow and temperature, this technology helps schools reduce energy consumption, contributing to lower operating costs and a smaller environmental footprint.

Energy-Efficient Carrier HVAC Equipment

When it comes to meeting the demands of your K-12 schools, the i-Vu® building automation system is just the beginning. i-Vu works seamlessly with our Carrier HVAC equipment as well as other Carrier software offerings designed for K-12 schools.

The i-Vu BAS is optimized to work with Carrier HVAC equipment and other Carrier management software.



Next-Level, Integrated Software Management Solutions



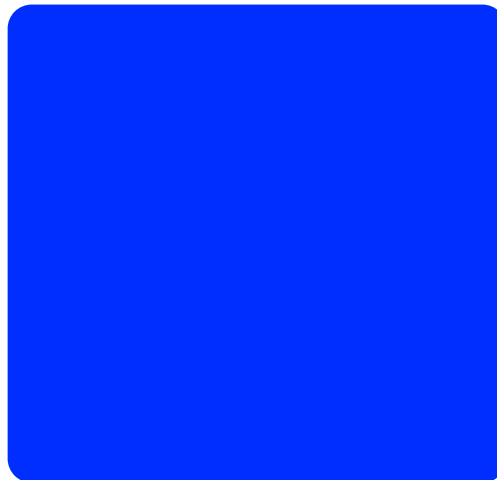
ABOUND® Digital Platform

Enhance your i-Vu building automation system with tools that help building operators optimize energy efficiency, meet sustainability targets, and gain predictive insights into HVAC equipment performance.

K-12 Success Stories

Kensington High School

When AP Construction and BSI Construction needed a building automation system (BAS) solution to achieve a LEED™ Gold high school, Carrier's i-Vu® system, along with Aquazone™ water source heat pumps, was the answer. See how we were able to provide comprehensive control and help them exceed expectations, achieving LEED Platinum certification, optimizing energy management, and creating a comfortable, inspirational environment conducive to learning.



Escondido Union School District

To replace aging CCN systems and unreliable third-party thermostats, Escondido Union School District upgraded to Carrier's TruVu® dual IP controllers and modern HVAC equipment. The new system integrates seamlessly with their existing i-Vu® front end, enabling high-speed BACnet/IP connectivity, improved indoor air quality, and scalable expansion—without retraining staff. With support from Carrier distributor Russell Sigler, Inc., the district enhanced learning environments across multiple campuses with upgraded controls and nearly 500 new HVAC units.

The Expertise to Take You Even Further.

Carrier trains, tests and certifies HVAC installers to be experts in building controls. With thorough training and ongoing testing, our certified installers are always available to help you get the most from your i-Vu BAS. So wherever you are, know that you can count on us for the industry-leading excellence that's synonymous with the name Carrier.



For more information,
visit www.carrier.com/ivu or

Contact Your Local Carrier Controls Expert

Controls Expert Locator:
www.carrier.com/controls-experts

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