



**BUILDING
AUTOMATION
SYSTEM**

OPTIMIZE YOUR BUILDING'S POTENTIAL

THE EVOLVING LANDSCAPE OF BUILDING AUTOMATION

SMART BUILDINGS ARE THE FUTURE

The global smart building market size is projected to be **\$109.48B** by 2026 with a CAGR of **12.6%**¹



DATA-DRIVEN OPTIMIZATION IS KEY

Building automation systems are evolving rapidly, with data analytics at the core of optimizing energy use, occupant comfort, and operational efficiency.

CHALLENGES FACING BUILDING OWNERS AND MANAGERS

RISING ENERGY COSTS

~6.5%

Increase in the average commercial electricity price in the U.S. YoY 2023 to 2024²

LACK OF BUILDING PERFORMANCE OPTIMIZATION

75%

Of U.S. commercial buildings have untapped efficiency³

OCCUPANT COMFORT

4-6%

Decrease in occupant productivity due to uncomfortable temperatures⁴

CYBERSECURITY THREATS

\$4.8M

Cost of data breaches escalated globally in 2024: a 10% increase from 2023⁵

CARRIER'S i-Vu BUILDING AUTOMATION SYSTEM EMPOWERS YOU TO NAVIGATE THESE CHALLENGES AND UNLOCK YOUR BUILDING'S FULL POTENTIAL

KEY BENEFITS



ENERGY EFFICIENCY

- ▶ Intelligent building solutions can unlock significant energy savings opportunities
- ▶ Gain real-time insights into energy usage & improvements
- ▶ Optimize building performance



OCCUPANT WELL-BEING

- ▶ Achieve precise temperature control
- ▶ Enhance occupant productivity



OPERATIONAL EXCELLENCE

- ▶ Streamline building management
- ▶ Reduce maintenance costs via proactive fault detection and diagnostics
- ▶ Access real-time analytics



ENHANCED CYBERSECURITY

- ▶ Robust security to help protect your building from cyberattacks
- ▶ Encryption, access controls, intrusion detection and more

EQUIPMENT & CONTROLS SYNERGY

Carrier's i-Vu controls seamlessly integrate with Carrier HVAC equipment for optimal performance and efficiency.

This synergy helps to:

- ▶ **Enhanced Efficiency and Performance**
 - Optimized for Carrier HVAC equipment, the i-Vu system uses open BACnet standards to integrate HVAC components and other building systems, which streamlines operations, enhances energy efficiency, and improves occupant comfort.
- ▶ **Simplified Installation and Maintenance**
 - Native BACnet controls can be factory or field-installed on equipment and include pre-engineered control sequences.
- ▶ **Local Service and Support**
 - Our extensive network of Carrier Controls Experts ensures you have multiple certified professionals in your area to choose from.



APPLICATION SPECIFIC SOLUTIONS

CHILLED WATER OPTIMIZATION



CAN HELP IMPROVE CHILLER PLANT EFFICIENCY WITH PRE-ENGINEERED CONTROL SOLUTIONS

BUILDING HEALTH AND SAFETY



CAN CONTRIBUTE TO MAINTAIN OPTIMAL INDOOR AIR QUALITY

ENERGY MANAGEMENT



DASHBOARDS FOR REAL-TIME INSIGHTS AND REPORTING

CONTACT US

LEARN MORE ABOUT HOW i-Vu CAN HELP YOU NAVIGATE THE FUTURE OF SMART BUILDINGS.



WEBSITE: [CARRIER.COM/IVU](https://www.carrier.com/ivu)

1.markets.businessinsider.com. (2020, January 21). Smart Building Market to Reach USD 109.48 Billion by 2026, Rising Environmental Concerns to Contribute Healthy Growth, States Fortune Business InsightsTM. Markets.businessinsider.com. <https://markets.businessinsider.com/news/stocks/smart-building-market-to-reach-usd-109-48-billion-by-2026-rising-environmental-concerns-to-contribute-healthy-growth-states-fortune-business-insights-1028832507>

2. Electric Power Monthly - U.S. Energy Information Administration (EIA). (2024). Eia.gov. https://www.eia.gov/electricity/monthly/epm_table_grapher.php?t=epmt_5_6_a

3. Considerations To Achieve a Sustainable U.S. Commercial Building Stock. (2022). Nrel.gov. <https://www.nrel.gov/news/program/2022/considerations-to-achieve-a-sustainable-us-commercial-building-stock.html#:~:text=These%20systems%20can%20save%20building,take%20to%20achieve%20widespread%20aoption.%22>

4. How can we make offices more comfortable? - World Green Building Council. (2022, March 12). World Green Building Council. <https://worldgbc.org/article/how-can-we-make-offices-more-comfortable/>

5. IBM. (2024). Cost of a Data Breach Report. Retrieved from <https://www.ibm.com/reports/data-breach>