

- SOLUTION

Predictive & Proactive Maintenance Solution from Ventacity

Benefits

- Reduce the operational and capital expense required to deliver services
- Proactively address potentially catastrophic failures
- Diagnostics help serve customers even better
- Minimize the costs of truck rolls and technical resources
- Scale your business by adding more customers and buildings
- Improve resource management, work order scheduling and efficiency
- Improve service levels

Highlights

- Use with any RTU brand: Carrier, York, Rheem, Trane, ...and more
- Provide proactive and predictive maintenance
- Simple to install and easy to use
- Gain remote visibility to real-time RTU diagnostics
- View the entire portfolio of buildings and equipment under management
- Prevent equipment downtime through automated fault detection and diagnostics
- Collect and store critical HVAC performance data
- Deliver data to the cloud using a dedicated, secure wireless connection
- Analyze and display Key Performance Indicators (KPI) on a web/mobile portal
- Visualize the location and quantity of faults throughout your portfolio



Remotely monitor and analyze your entire portfolio of rooftop units to increase your profitability and prevent catastrophic failures.

Your Challenges

The ever-growing cost structure and service demands of RTU equipment dramatically impact your ability to profitably compete in today's fast-paced world.

The increasing operational and capital expenditures required to deliver these services only grows with your portfolio, and as equipment ages – challenging building owners and service providers to deliver the proactive, predictive maintenance solution tenants expect while also supporting financial growth.

Our Solution

Ventacity solutions give you the visibility, insight, and real-time alerts you need to remotely monitor your entire portfolio of buildings' RTU equipment for proactive management and better business performance.

With the ability to simply monitor all HVAC RTUs in your portfolio of buildings from a single dashboard, Ventacity gives you the power to optimize efficiency, reduce costs, and improve your ability to prevent catastrophic failures. Real-time, easy to understand data allows you to analyze performance, determine needed actions, and respond remotely or on-site before tenants are impacted.

A Proactive and Predictive Approach to Improving Maintenance – and Your Bottom Line

Catastrophic failures and downtime dramatically affect the bottom line for both you and your tenant. That's why the old "break then fix" model no longer works. A single belt break or small, unnoticed refrigerant leak can take down a major piece of equipment – such as a compressor – and result in a significant unplanned expenditure.

Ventacity provides a more reliable HVAC RTU proactive and predictive maintenance solution with a scalable and secure toolset that is easy to use and customize, enabling you to manage RTU systems more efficiently, save costs and grow faster. Automated notifications and SMS alerts speed and simplify service deployment. Data is delivered to the cloud using a dedicated, secure wireless connection for the ultimate business protection. The Ventacity solution improves HVAC maintenance efficiency with remote visibility to real-time RTU diagnostics and enables you to view the entire portfolio of buildings and RTU equipment under management for a faster, more secure and more reliable customer experience.

Secure, Simple to Install and Easy to Use

Installation is simple, with an RTUPro sensor kit easily connected in a few hours by any HVAC-certified technician. Best of all, it's ready to be used with any RTU brand right out of the box, including Carrier, York, Rheem, Trane, and more. In addition, connecting the RTUPro sensor kit to the SBC 100 Smarter Building Controller is fast and seamless.

Ventacity delivers data to the cloud using a dedicated, secure wireless connection to ensure your valuable data is protected. A built-in, secure Internet connection eliminates IT configuration hassles and provides the peace of mind that comes from knowing that internal company systems are safeguarded. When installed, you have access to all your RTUs securely streaming to the cloud, and Key Performance Indicators such as refrigerant superheat, subcooling, and temperature differential, displayed on an intuitive dashboard.

Ventacity eases monitoring with anywhere access and our intuitive user interface that scales as you grow. Service managers, dispatchers and lead technicians can view a building or an entire portfolio of buildings and get the detailed status updates and actionable insights needed to make decisions. By visualizing the location and quantity of faults throughout your portfolio, our solution supports smarter resource planning and work order scheduling.

The Smart, Secure Building Platform That is Better for Business

The Ventacity Smarter Building Platform provides an unparalleled understanding of building usage, operations, and HVAC system performance.

With the ability to collect and store critical HVAC performance data, deliver data to the cloud using a dedicated, secure wireless connection, and analyze and display Key Performance Indicators on a web/mobile portal, Ventacity reduces the operational and capital expense required to deliver building services.

Diagnostics Help Provide Even Better Customer Service

Placing technician resources on site isn't simply cost-prohibitive, it's near impossible as your portfolio scales. Your best approach to avoid the cost and impact of catastrophic failures is through preventive maintenance.

Now you can proactively address potentially catastrophic failures with diagnostics that help improve services to customers. You can also easily scale your business by adding more customers and buildings, while minimizing the cost of truck rolls and technical support and improving resource management. The Ventacity HVAC Predictive Maintenance Solution prevents equipment downtime through automated fault detection and diagnostics that alert you to a problem before it becomes a financial nightmare.

Optimize Workforce Efficiency and Lower Service Costs

It costs you money every time someone is required on site to manually diagnose RTU health. Add to that the time and expense of additional trips to fix the problem, and you're expending valuable resources that drain your bottom line.

With Ventacity's remote, real-time RTU diagnostics you receive notifications and SMS alerts that save both time and resources. This allows you to avoid non-critical nuisance calls by helping dispatchers determine an emergency vs. non-emergency situation. It also reduces truck rolls by eliminating multiple site trips and ensuring technicians arrive with a support plan and

required parts. Overall labor costs are reduced because you only send out the right resource for the job, and time and travel costs are minimized by leveraging geographic proximity to send the nearest resource. Costs are lowered across your entire portfolio by optimizing resources and extending the life of equipment.

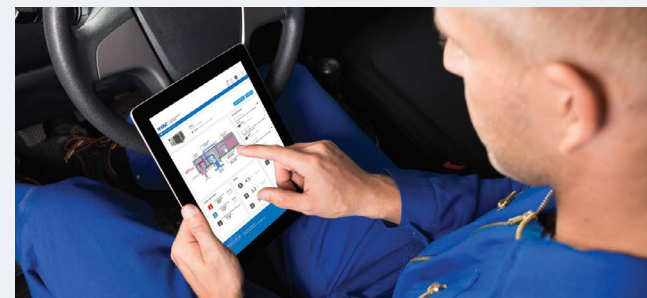
Increase Building Efficiency and Reduce Energy Costs

Energy efficiency isn't simply smart business, it's essential for today's energy-aware tenants. Increasing energy efficiency while lowering energy costs has never been more important as you seek opportunities to reduce expenditures while providing tenants with a modern, environmentally conscious experience.

Ventacity tools identify opportunities to save and better manage energy without impacting occupant satisfaction. You not only identify energy savings and opportunities to increase efficiency, but also eliminate the costs that come from inefficient systems.

HVAC Predictive Maintenance Solution

Remotely monitor your entire portfolio of buildings & equipment



Introducing the RTUPro™

RTUPro gives you the ability to remotely monitor all the RTUs in your portfolio of buildings. With remote monitoring you have the power to proactively address failures before they become catastrophes.

Proactive maintenance will reduce your operational and capital expenses by minimizing the costs of truck rolls, technical support resources, and energy inefficiencies. We enable you to scale your business by adding more customers and improving your bottom line.

Easy to Install Kit of Sensors

The RTUPro sensor kit is easy to install and installation can be done by any HVAC-certified technician in a matter of hours. Connecting the RTUPro sensor kit to the SBC100 Smarter Building Controller is a breeze. Now you have data about all your RTUs streaming to the cloud, and Key Performance Indicators, such as refrigerant superheat and subcooling, displayed on an intuitive dashboard.



Sensors Types Included

Compressor Discharge	Pressure: Total, Unit, Current	Zone Air Temperature
Supply Air Temperature	Mixed Air Temperature	Condenser Liquid Line Temperature
Evaporator Saturation Temperature	Compressor Suction Temperature	

RTUPro Specifications

Model #	Power Supply	Dimensions (HxWxD)	Weight	Input Power	Operating Temp Range	Communications
RTUPro 100	Input 24 VAC	3.1" x 4.25" x 1.5"	5.3 oz.	2W	-40°F to 185°F	Modbus TCP

Seamless Integration

The SBC100 Smarter Building Controller is a state-of-the-art building management system. Pre-configured components such as the RTUPro seamlessly integrate with the SBC100.

Smarter Building Controller Specifications

Model #	Power Supply	Power Wire	Dimensions (HxWxD)	Weight	Input Power	Operating Temp Range
SBC100	100 – 240 VAC / 1 ph / 50 – 60Hz	IEC connector with plug	13.5" x 11.3" x 7.2"	7 lbs	17.6W	32° – 122°F / 0 – 50°C



Summary

With the ability to remotely monitor your entire HVAC portfolio of buildings and RTU equipment, Ventacity gives you the power to proactively address potentially catastrophic failures while reducing the cost of delivering services.

We give you the power to scale your business by adding more customers and buildings, and improve your bottom line, by minimizing the costs of truck rolls, technician resources, and energy inefficiencies. Overall, you'll increase both occupant satisfaction and your profitability.

Learn More

We are passionate about continuously developing solutions that make buildings healthier, more efficient, and smarter. With Ventacity, it isn't just about smarter buildings, it's about smarter business. To learn about how Ventacity delivers innovative and smart building technology that maximizes the value of your business, visit www.ventacity.com.