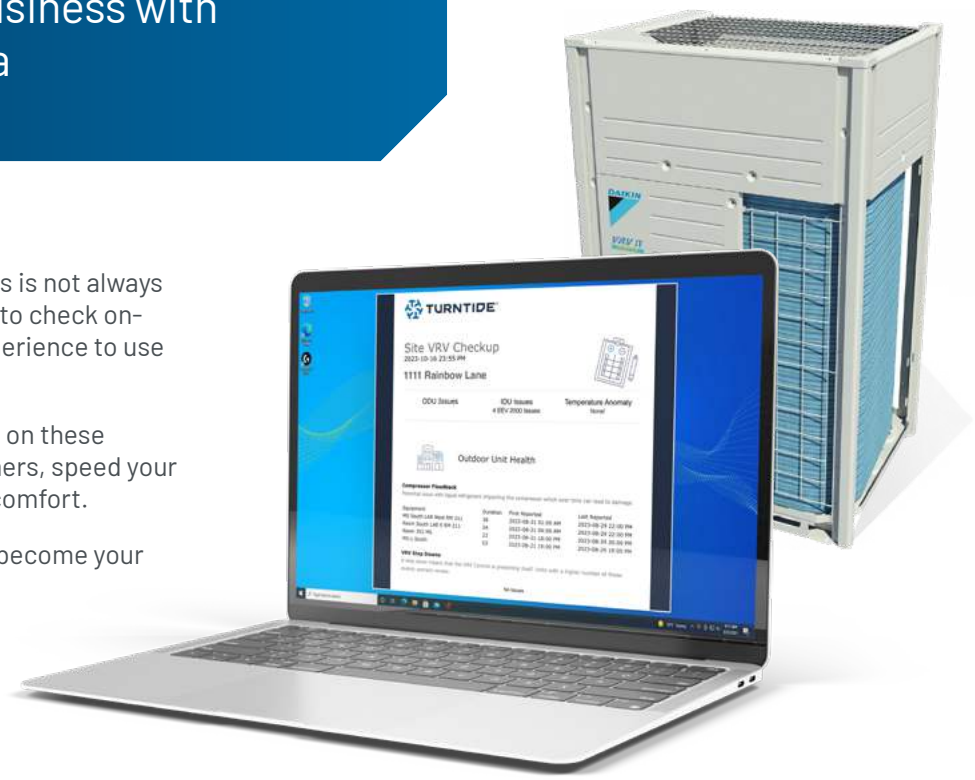
Site Pulse in the Turntide App

Build Your Services Business with Turntide-Enabled Data



Troubleshooting complex Daikin VRV systems is not always easy and fast. There is a lot of data available to check on-site during service, and it takes time and experience to use it effectively.

With meaningful data and analytics available on these systems, you could better serve your customers, speed your service decisions, and maintain their HVAC comfort.

After a simple upgrade to Turntide– you can become your customers' strategic HVAC partner.

We've developed **Site Pulse**, an algorithm-driven health report for Daikin VRV systems to provide comprehensive insights and analysis. With this data, you'll obtain key findings and analytics to enable your services to monitor and optimize the performance of a Daikin VRV system. Make highly informed decisions and take timely corrective action before issues become more costly and difficult to manage.

Key Benefits

Improved System Health

Better health increases the lifespan of your Daikin VRV systems

Improved Occupant Comfort

With healthier VRV systems, your occupants will be more comfortable in your building

Cost Savings

Reduce unplanned major repairs and truck rolls and avoid unpredictable and costly maintenance

Version: 2 Updated October 30, 2023

Algorithms Built into Site Pulse

5 algorithms are currently built into Site Pulse.

Algorithm	Applies To	Benefit	What It Detects
1 **Refrigerant Charge**	**ODU**	Prevent energy efficiencies and potential equipment damage	Insufficient or overcharged refrigerant to carry out the heat exchange process properly.
2 **Compressor Flood Back**	**ODU**	Identify inefficient compression, prevent compressor wear, and potential damage to the compressor motor.	Liquid refrigerant has entered the compressor during the system's operation
3 **Space Temp Anomaly**	**ODU**	Identify problematic spaces that require attention	Actual temperature of air within a particular space or zone
4 **EEV 2000**	**IDU**	Prevent damage to the system and restore optimal performance. Note: Electronic expansion valve (EEV) is responsible for regulating the amount of refrigerant entering evaporator coil	Detects if the EEV is not operating as expected
5 **ODU Stepdowns**	**ODU**	Summarize stepdown occurrences to more quickly see the history of these control actions. Note: Stepdowns are a function of the control protecting the equipment.	Abnormal stepdown patterns that indicate something may not be right with the outdoor unit

Turntide's team will continue to add more analytics over time.

For more details on how these algorithms work, and for the latest information about our roadmap, connect with your Turntide Channel Account Manager to learn more.

How to Get Started

Site Pulse is available for beta users on an invite-only basis. For more information, reach out to your Turntide Channel Account Manager or contact automationsales@turntide.com.