

Project Profile

EDUCATION

Virginia School Monitors Indoor Air Quality With Carrier's Abound IoT Platform



The Challenge

A school district, in the Southeastern U.S., sought to enhance and more closely monitor air quality and environmental conditions in one of their schools.

The Implementation

The district partnered with Carrier to implement the Abound™ platform in one building that covers 260,000 square feet. Abound complements the school's BMS system and provides a more granular view of key air quality metrics, such as temperature, humidity, CO₂, PM_{2.5}, and more, and displays it on the Abound dashboard.

The Results

Abound provides staff with real-time insights about the health of their indoor spaces. Whenever air quality data is outside the WELL Building Standard's™ normal ranges, building operators can make quick assessments and confidently make decisions to optimize their building's HVAC equipment—ensuring the health and well-being of all occupants.

Project Overview

- Public School, VA
- One building: 260k square feet
- 1,500+ students

"The Abound platform is very easy to navigate. Having a color-coded floor plan based on IAQ metrics, such as temperature, humidity, CO₂, or particulate matter, gives the team a much better view of the air quality in the building. Alerts on metrics that drift outside of the good health threshold are logged and can be sent to essential staff as they occur. Another great feature is that all of the IAQ data is trended and stored for future analysis."

- Jacob B.,
Energy Management Control Specialist



ABOUND

Abound™ is a cloud-based digital platform and suite of connected solutions that uses advanced technologies to aggregate, analyze, and visualize data to enable real-time, intelligent, outcome-based results. Abound allows building owners and managers to make decisions for their buildings to be more efficient, comfortable, healthy, and sustainable.

Learn more at abound.carrier.com.