Fully-Managed Air Quality Solution Creates Healthier, Safer Commercial Office Space

Customer	An affiliate of Innovatus Capital Partners
Partner	Wynd Technologies, Inc.
Project	Lincoln Properties Highland Ridge, Nashville, TN
Solution	Veea Edge Platform
	Wynd HALO Indoor Air Quality Monitor and Purifier
Outcome	Centralized monitoring of indoor air quality conditions
	Local edge mesh network collects and processes sensor data for real-time analysis and decision-making
	Improved tenant experience

Background

Following the global pandemic, the value of healthier indoor air has grown and is now essential to organizations leasing commercial office space, especially as the economy picks up and tenants prepare to bring their workers back together. Innovatus Capital Partners, LLC approached Veea to quickly build and deploy an Air Quality Management (AQM) solution that would increase the appeal of their Highland Ridge offices in Nashville, TN for prospective tenants.

Wynd Technologies, Inc. supports the solution with their advanced clean air measurement technologies and devices. The Veea Edge Platform provides the local edge mesh network, which collects the data from the Wynd Halo indoor air quality monitoring devices, and performs the local processing for interpreting, managing, reporting and presenting the information collected. The Veea Edge Platform also provides a wireless 4G WAN uplink to the cloud for remote reporting, alerts and notifications, and archiving.

"We are focused on supporting operational and environmental wellness in the facilities we manage. Secure, integrated IoT connectivity and edge computing in combination with Air Quality Monitoring (AQM) technology are a winning combination for smart building solutions for our properties."
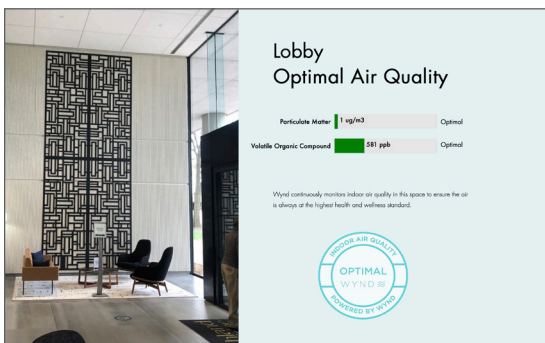
Bradley Seiden,
Managing Director at Innovatus

Challenge

- Implementations of intelligent, connected air quality equipment can be complex and expensive to install and maintain.

- Without management tools, it is difficult to have a universal view of a full-building implementation, from the lobby, hallways and other public spaces, to conference rooms, private offices and other locations.

- Scaling the solution across multiple buildings can be time consuming and risky.
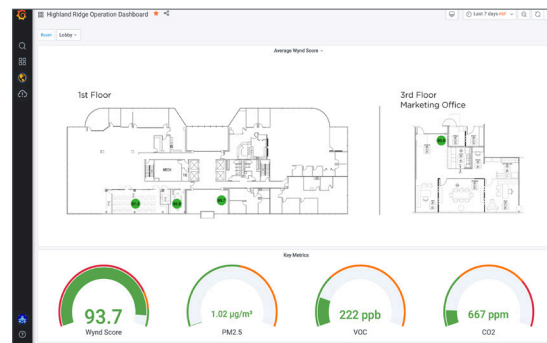
Solution

- Veea partnered with Wynd to build and roll out a local mesh network prototype, enabling property managers to easily access reports on air quality conditions.

- Integration with the HVAC system made it possible to generate notifications and alerts based on parameters.

- The initial deployment is in operation at the Innovatus Highland Ridge office park in Nashville, TN, managed by Lincoln Property Company.

Dashboards

Indoor Air Quality – Customer Facing

- Continuous monitoring validates air quality levels, providing tenant confidence.

- Prominent displays located in lobby and outside conference rooms and training room.

Wi-Fi and IoT Network – Internal Operations

- View air quality over time and space.

- Real-time alerts.

- Identify potential hotspots in stagnant air flow or high pollutant levels.

- Assess how quickly aerosol, CO2, and VOC are cleared from the air.

- Evaluate how stable temperature and humidity are at desired BMS settings.

- Generate recommendations to improve problem areas including additional air purifiers and optimized floor layouts.

INNOVATUS CAPITAL PARTNERS

Innovatus Capital Partners is a boutique specialty finance firm with over $1.5 billion assets under management, focused on creating value in special situations, emergent asset classes and asset-based investments, including a diversified portfolio of U.S. commercial office properties located in emergent top-tier markets.

WYND

Wynd Technologies Inc. enables healthy spaces so people feel their best and perform to their full potential, wherever they go. Their industry-leading air quality monitors, true HEPA air purifiers, and software are being used in commercial real estate, schools, hotels, public buildings, and homes to keep people healthy and provide peace of mind.

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