NanoDetect PRO

WELLAIR

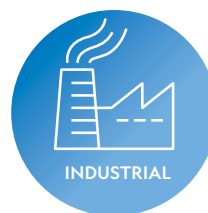## The Standard in IAQ Monitoring Built for Compliance and Confidence

The WellAir NanoDetect PRO is an indoor air and environmental quality (IAQ/IEQ) sensor that has attained Works with WELL and RESET certification, positioning it to support compliance across the full range of green and healthy commercial building standards.

RESET
INTERNATIONAL STANDARD

WORKS WITH WELL

NanoDetect PRO

Transform IAQ Data Into Building Value

The **NanoDetect PRO** is a commercial-grade IAQ/IEQ sensing platform designed for continuous, high-accuracy monitoring across occupied and critical indoor environments. Built on a modular, field-configurable architecture, it can track up to 15 indoor air quality and environmental parameters in real time. Data is securely visualized and managed through the WellAir **NanoView** platform, enabling transparent reporting, calibration traceability, and long-term environmental performance tracking. Together, NanoDetect PRO and NanoView support informed decision-making, help projects achieve and maintain building certification, and promote occupant safety, health, comfort, and sustainability.
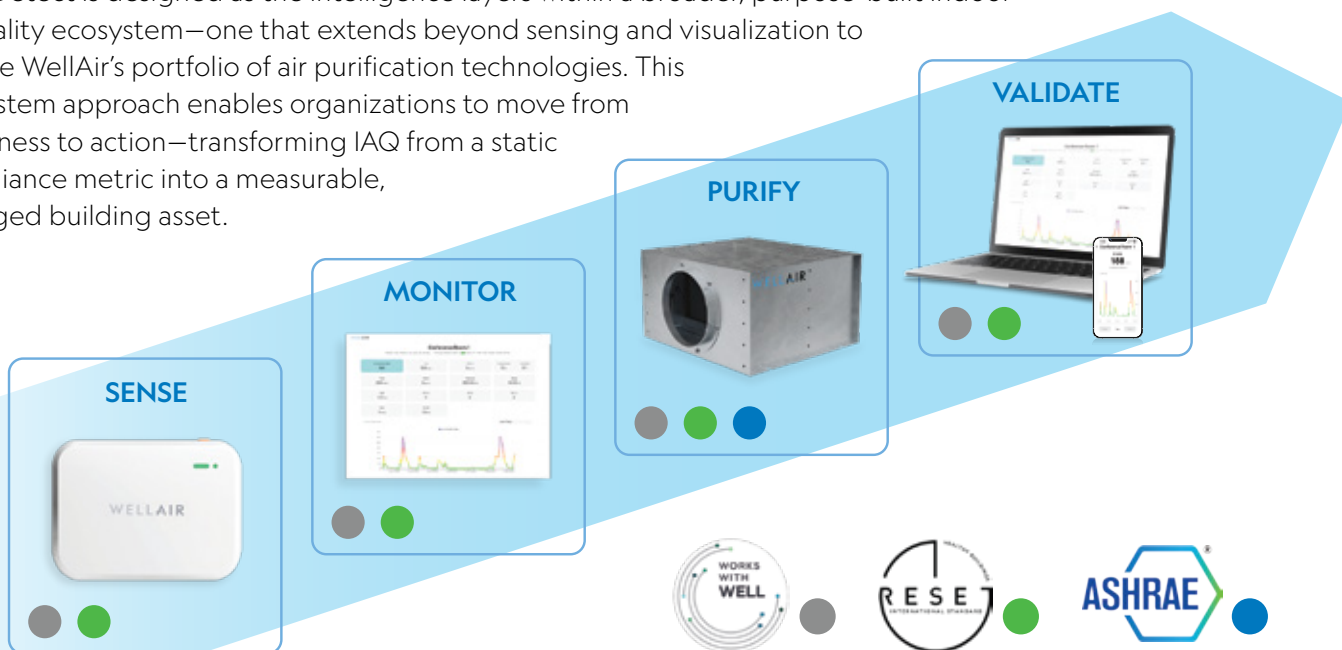
KEY SECTORS

- COMMERCIAL
- INSTITUTIONAL
- INDUSTRIAL
- INDOOR AGRICULTURE

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Part of a Comprehensive, Flexible IAQ Ecosystem
Sense. Monitor. Purify. Validate.

NanoDetect is designed as the intelligence layers within a broader, purpose-built indoor air quality ecosystem—one that extends beyond sensing and visualization to include WellAir's portfolio of air purification technologies. This ecosystem approach enables organizations to move from awareness to action—transforming IAQ from a static compliance metric into a measurable, managed building asset.

VALIDATE

PURIFY

MONITOR

SENSE

WELLAIR

WORKS WITH WELL

RESET

ASHRAE

NanoDetect PRO

KEY BENEFITS

Designed for Green and Healthy Building

Certification and Compliance

- **RESET and Works with WELL** certified
- Provides IAQ, IEQ and comfort monitoring credits / points for a range of building certifications including **LEED, WELL, Fitwel, RESET, LBC, Green Globes, UL Healthy Building and BREEAM**

Real-Time IAQ & IEQ Visibility

Situational Awareness

- Deliver continuous, real-time IAQ and IEQ data to identify risks to occupant health, productivity, sensitive processes, and critical assets impacted by airborne pollutants
- Verify ventilation performance against design intent and standards such as **ASHRAE 62.1 and 170, WELL, and LEED**—at the building or zone level
- Pinpoint persistently underperforming areas to enable targeted, location-specific corrective action

Optimized Ventilation

Smarter Ventilation & Lower Energy Use

- Enable demand-controlled ventilation using continuous IAQ data from NanoDetect sensors
- Support ventilation adjustments based on hybrid work patterns and variable occupancy, using CO_2 as a proxy for occupancy levels
- Reduce energy consumption and operating costs while supporting sustainability, decarbonization, and ESG objectives

HVAC Cost Control

Proactive Operations & Lower HVAC Costs

- Provide continuous IAQ and environmental visibility through the NanoView platform
- Support condition-based maintenance by identifying trends, deviations, and performance issues earlier
- Help extend HVAC system life, reduce unplanned service events, and lower a building's overall carbon footprint
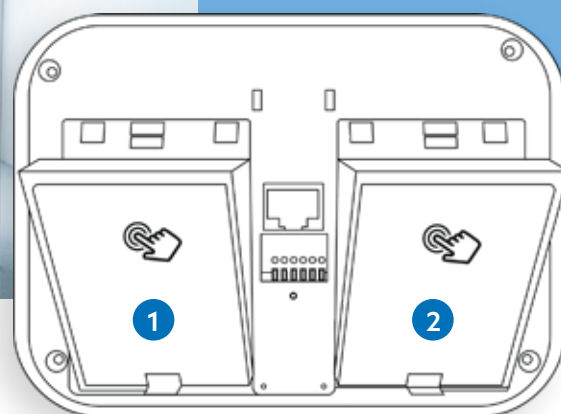
Property Benefits

Driving Value Through Healthy Buildings

- Leverage a closed-loop IAQ ecosystem aligned with green and healthy building programs to enhance property value, increase occupancy, and support rent premiums

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NanoDetect PRO

The **NanoDetect PRO** (Wi-Fi) is designed for wall mounting in occupied indoor spaces and areas containing critical assets that may be impacted by poor air quality or other environmental conditions.

1 Standard capsule **2** Optional capsule

MODULAR DESIGN

The NanoDetect PRO provides a modular design that features interchangeable sensor capsules. This provides three benefits:
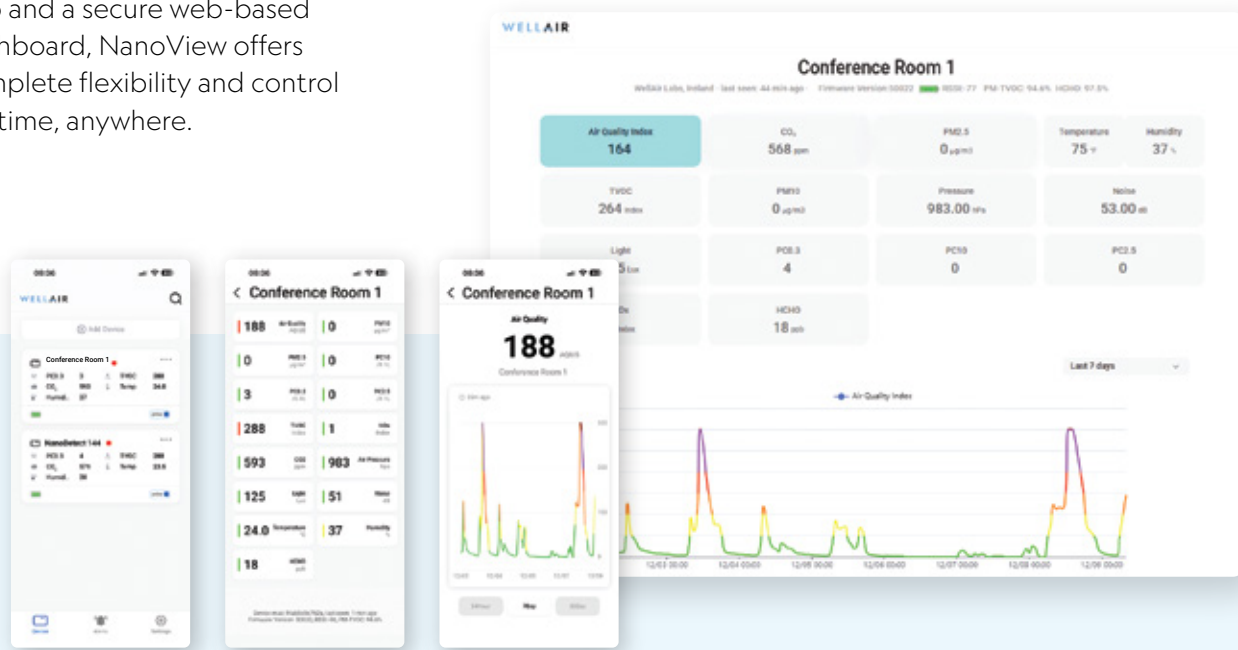
1. Ability to add additional IAQ sensor capsule to the standard sensor, depending on indoor environmental and certification needs

2. Rapid and cost-effective means of maintaining calibration over product operational life, ensuring ongoing accuracy and reliability

3. Future-proof roadmap that enables seamless upgrades to next-generation sensor technologies, ensuring continued compliance with evolving building certification requirements

Standard Capsule IAQ & IEQ Parameters		Optional Capsule IAQ Parameters
IAQ • PM2.5 • PM10 • CO_2 • TVOC • NO_x • PC (particle count) 0.3 • PC (particle count) 2.5 • PC (particle count) 10	**IEQ** • Temperature • Humidity • Air Pressure • Noise • Light	• Nitrogen Dioxide & Carbon Monoxide • Ammonia & Hydrogen Sulfide • Ozone • Formaldehyde • Carbon Monoxide • Nitrogen Dioxide • Sulfur Dioxide • Hydrogen • Hydrogen Sulfide

WellAir **NanoView**
— Real-Time IAQ Intelligence for Compliance and Performance

WellAir NanoView transforms real-time IAQ and IEQ data from NanoDetect sensors into clear, actionable insight for building owners, operators, and facility management teams. Engineered to support certification, compliance, and operational optimization, NanoView provides continuous visibility into indoor environmental conditions—enabling organizations to monitor, validate, and manage air quality performance against design intent, regulatory requirements, and the real-world impact of air purification solutions.

Delivered through both a mobile app and a secure web-based dashboard, NanoView offers complete flexibility and control anytime, anywhere.

- Real-Time Monitoring and Historical Evidence for Certification and Compliance
- Intuitive Interface with Kiosk Mode
- Actionable Alerts and Operational Insight
- Easily Compare IAQ / IEQ in Different Locations / Zones
- Secure and Robust Device Connectivity

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CONNECTIVITY OPTIONS

NanoDetect PRO   Wi-Fi

Device can be integrated into building management systems using a variety of protocols

ASHRAE BACnet™   MQTT   Modbus

POWER OPTIONS

- 10 - 30V DC   • TYPE C   • POE   • 24V AC

COMPLIANCE

RESET   WORKS WITH WELL   RoHS2 COMPLIANT   FC   CE   REACH COMPLIANT

FCC ID XMR2023FCM362K

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

SCAN
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