

Indoor Air Value Management Solution

for Integrated Facility Management

Air control and monitoring contribute to LEED (Leadership in Energy and Environmental Design) certification points under several Indoor Environmental Quality (EQ) and Energy & Atmosphere (EA) credits.



Why Airvoice?

Airvoice is a pioneer in creating high-tech solutions for AQ monitoring and management, backed by scientific expertise and a solid track record

18+
years in the industry

50+
projects globally

Since 2021
operating Worldwide

Joint research
with leading
universities worldwide

Clients & Partners



Government



Science



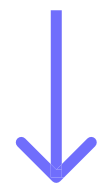
Ask yourself:

1. Are your facility management teams equipped with real-time indoor air quality data across multiple client sites?
2. Can your clients easily verify air quality performance at any given moment as part of your ESG and SLA reporting?
3. When was the last audit of HVAC systems in your managed buildings, and are they performing optimally?

Airvoice: Turning Indoor Air into a Strategic Asset

Solving the 3 Key Air Quality Challenges

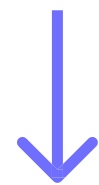
**Real-time air
quality monitoring
& analytics**



**Know what's happening
—zone by zone, minute
by minute**

Gain a full picture of indoor air quality with continuous, high-resolution data across all key areas.

**Public Dashboards &
QR Codes for Visitors**



**Build trust through
transparency**

Display live air quality data via screens or QR codes linked to real-time widgets.

**Demand-
controlled
ventilation** based on
occupancy and AQ data



**Improve performance
while cutting energy use**

Adjust ventilation based on occupancy and air quality. Integrates with existing BMS/BAS for smarter, more efficient operations.

Airvoice Indoor Air Quality Management Platform

Build trust, retention, and reputation by making clean air visible and actionable

- **Live indoor air quality data** at your fingertips
- **Notifications and tips** for data-driven decisions
- **Shareable IAQ reports** for stakeholders and certification
- A clear, data-backed **case for HVAC upgrades**
- **Visual tools** to boost tenant loyalty and brand value



Verified Indoor AQ sensors integrated in the Airvoice platform

Real-time monitoring and cloud storage for analysis

Tracking key pollutants and environmental parameters that influence indoor air quality and comfort

Particulate matters

PM2.5 and PM10

Carbon dioxide

CO₂

Environmental parameters

Temperature, humidity

Total organic volatile compounds





TVOCs

airvoice

Indoor Air Quality Monitor

Verified Outdoor AQ Monitor Integrated in the Airvoice platform

Airvoice AVA-20 helps you understand how ambient conditions affect indoor air quality for more efficient air quality management.

-  **Reliable**
UV-resistant, weatherproof housing for year-round use
-  **Easy to install**
Wall or pole mount, USB-C powered
-  **Compact**
Lightweight and cost-effective
-  **Connected**
Wi-Fi enabled for real-time cloud sync

Particulate matter

PM2.5 and PM10

Environmental parameters

Temperature, humidity

Carbon dioxide

CO₂

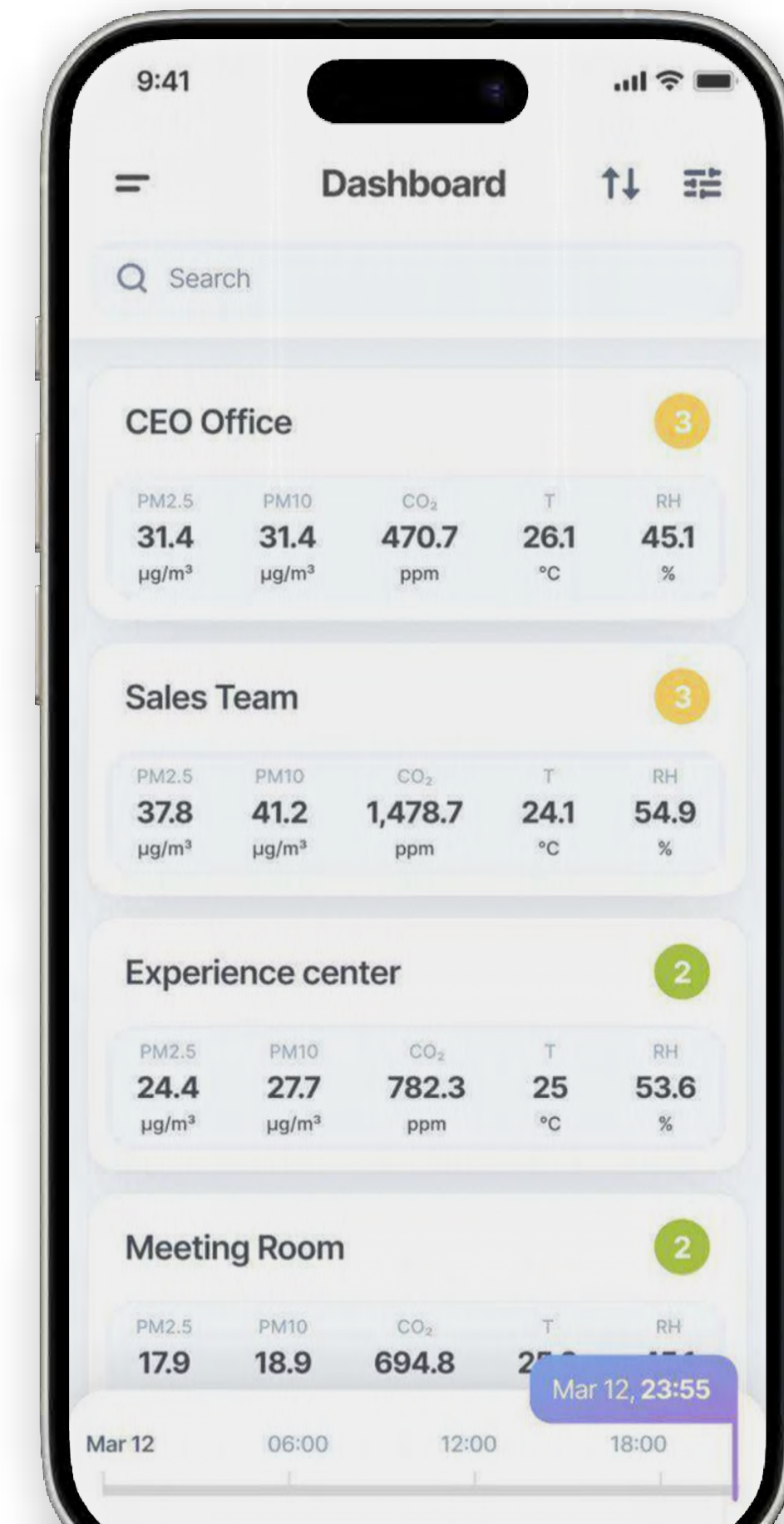
Total organic volatile compounds

TVOCs



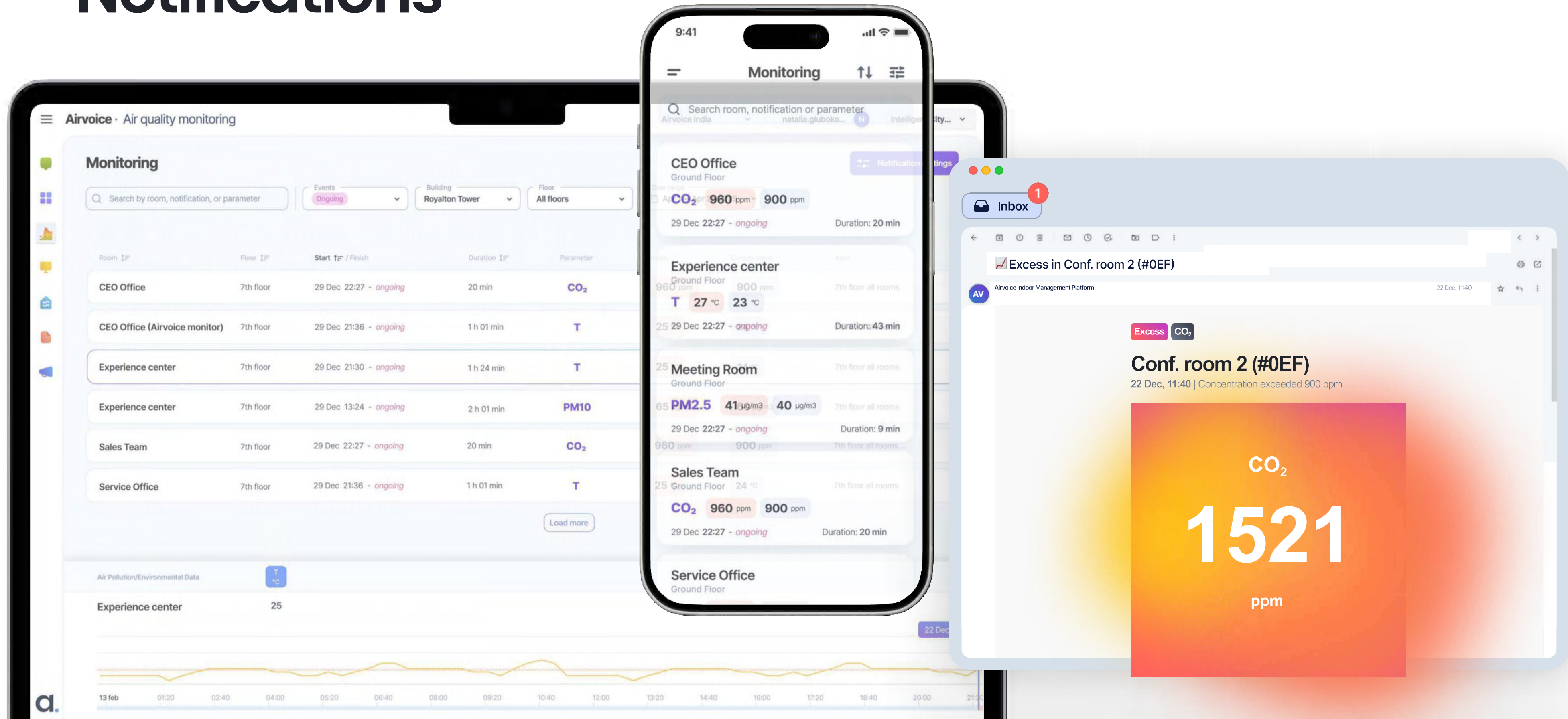
Outdoor Air Quality Monitor

Map and dashboards to control air quality at each room in real time



Personalized real-time notifications
of changes in the air quality to take
immediate remedial actions

Notifications



Reporting Module

The module enables **quick, comprehensive analysis of indoor air quality** over a selected time period delivered in a clear, actionable format.

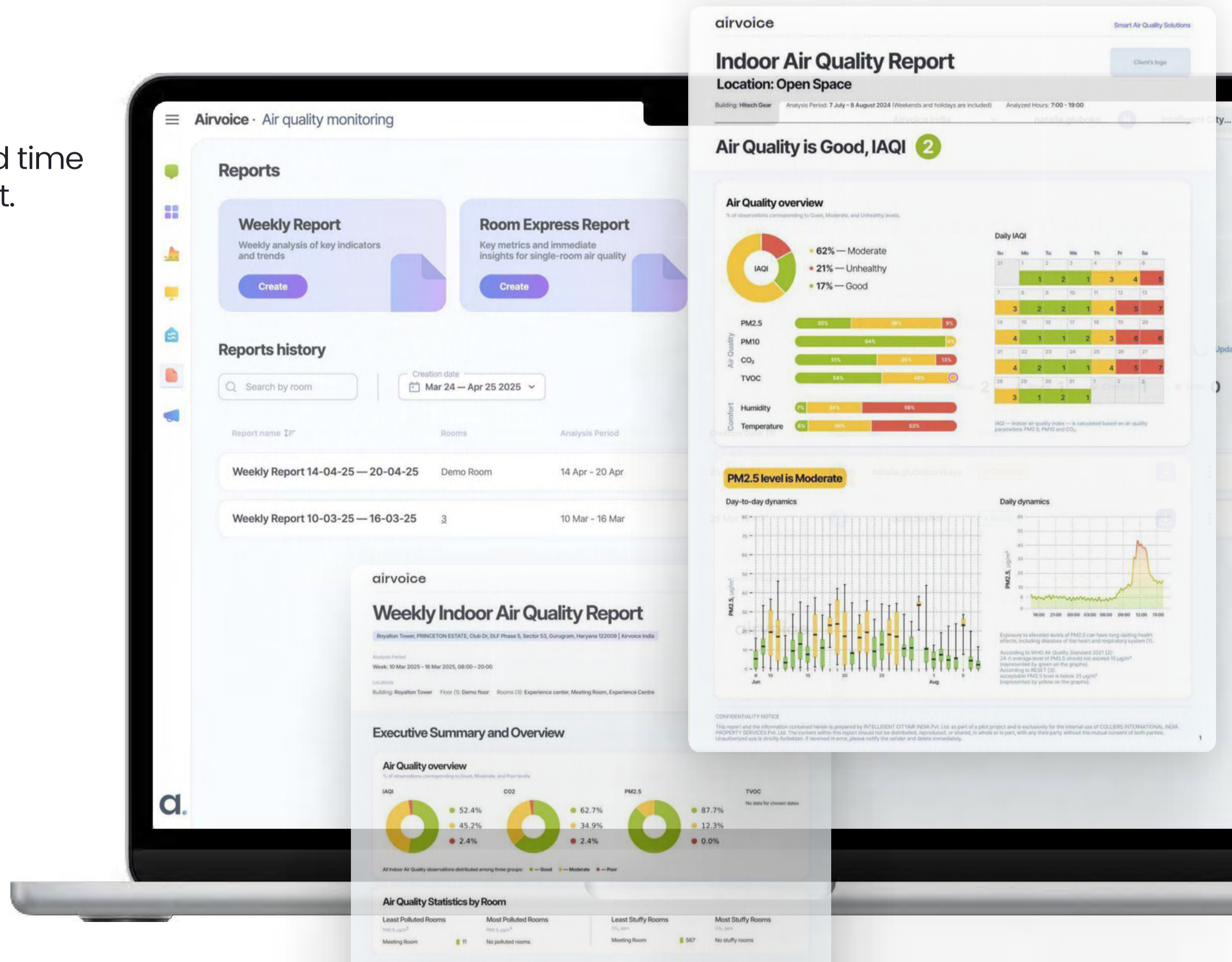
Key features:

Generate reports with varying levels of detail and complexity

Export reports as PDF files for sharing or printing

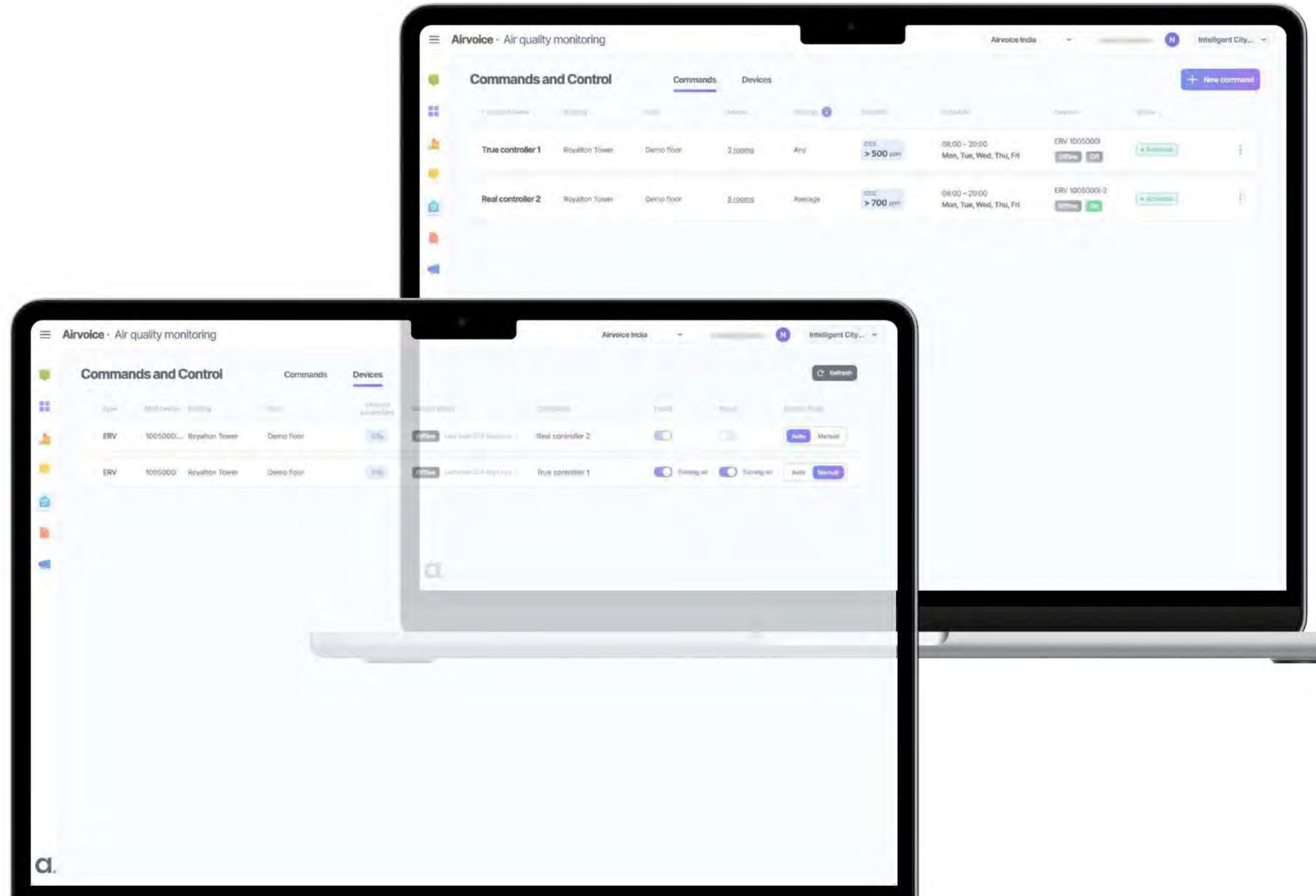
Present results through charts and graphs—suitable for both technical teams and management

Receive data-driven recommendations based on air quality analysis



BMS/BAS Integration

- Seamless integration with BMS/BAS and air handling, treatment, and conditioning systems
- Advanced flexible API for complete customization



Demand-Control Ventilation Solution for Energy-Efficient HVAC Management

Cut energy costs while maintaining healthy air
through smart automation

Adjust ventilation dynamically based on real-time IAQ and occupancy data
to reduce energy use and extend system lifespan.

Real-Time Control

Fresh air flow adapts to IAQ and
occupancy data

Cloud-Based Automation

Centralized logic with real-time
visibility and control

Energy & Filter Efficiency

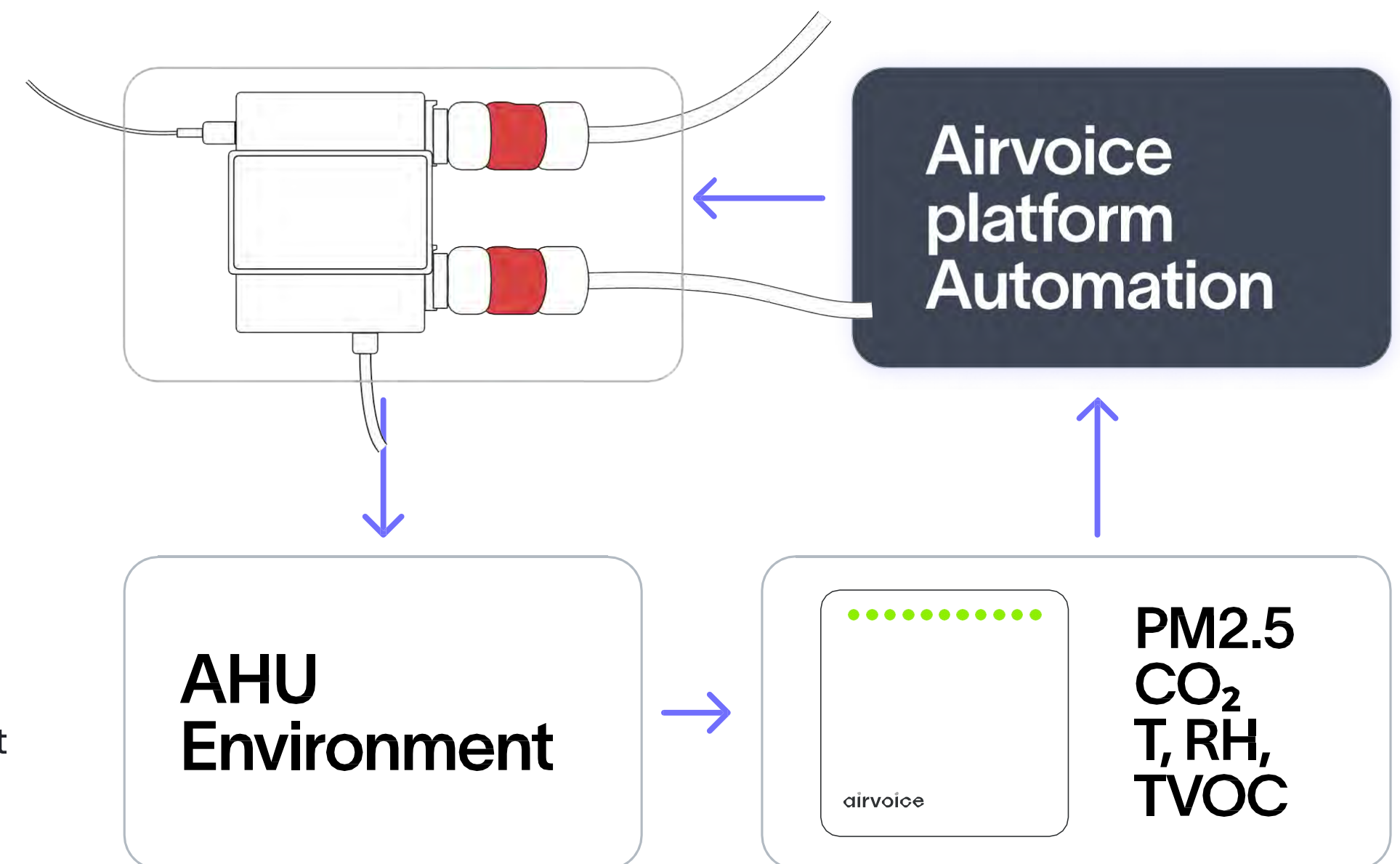
Reduces runtime and extends filter life

Seamless Integration

Compatible with major HVAC and
BMS systems

Hands-Off Operation

Fully automated — no manual input
required



Communicating High Air Quality Standards

Diverse visualization formats:

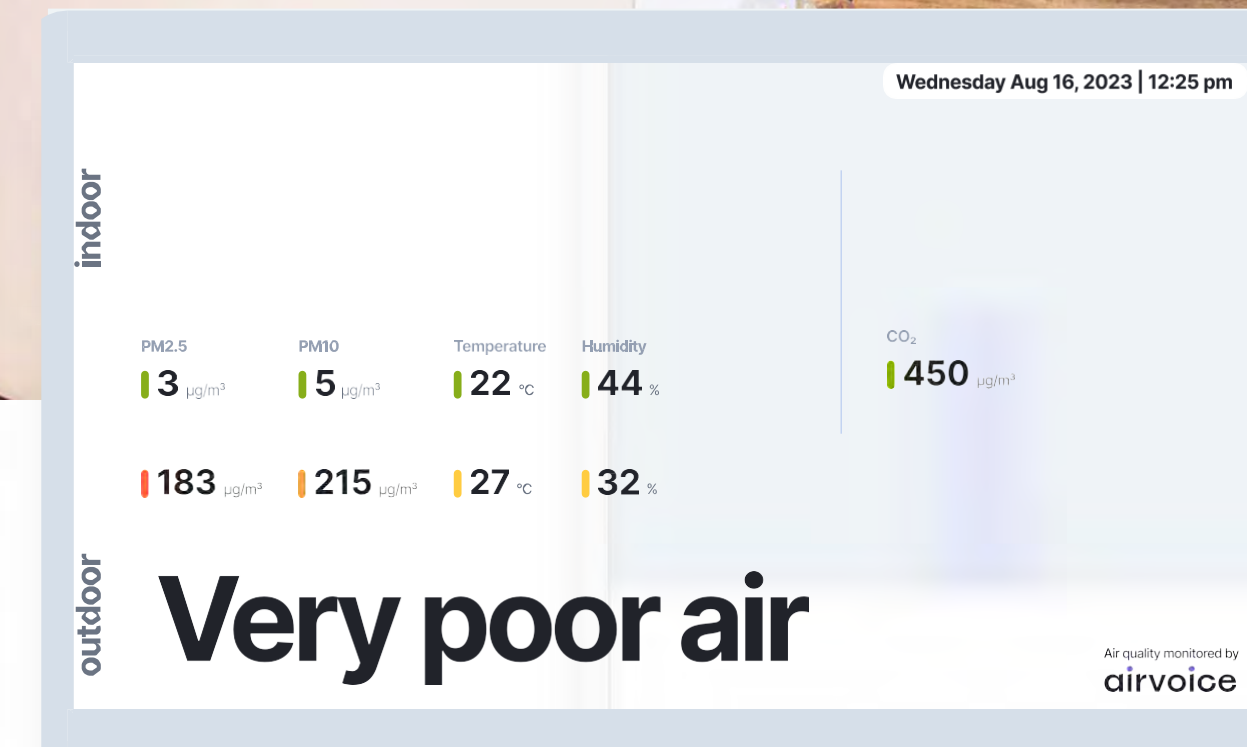
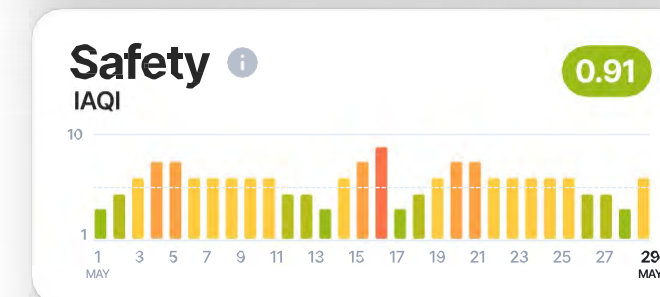
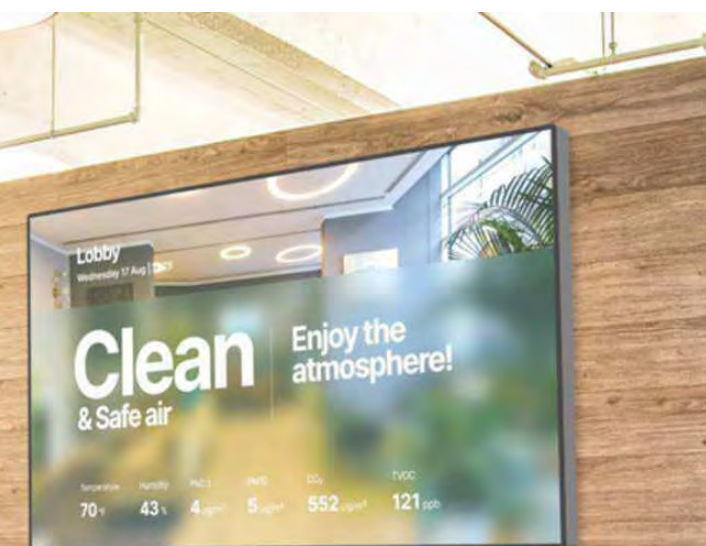
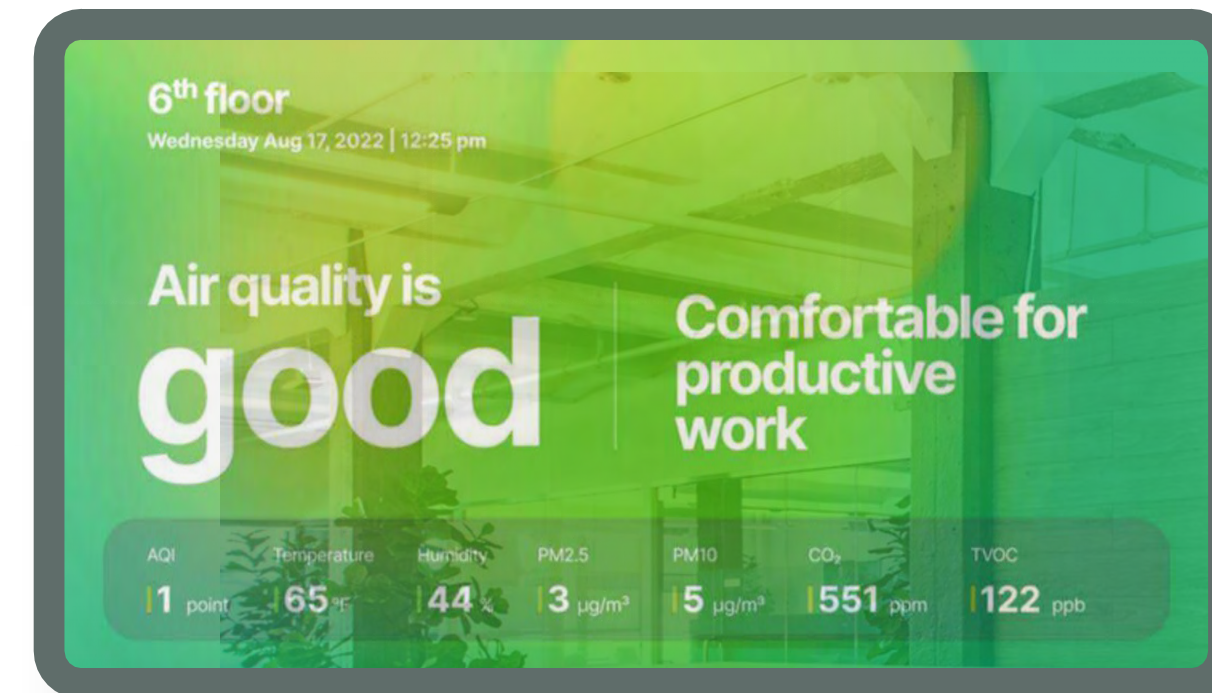
View air quality, safety, and comfort levels, emphasizing health and productivity benefits

Comparative dashboards:

Display superior indoor air quality versus outdoor, crucial in polluted regions

Tailored widgets:

Integrate real-time air quality data into your website or app



Administration Panel

The Administration Panel lets companies set up their monitoring infrastructure and manage workspaces, devices, and user access.

Workspaces are configurable environments that combine physical elements (buildings, rooms, users) with virtual settings (index settings, access rights). Companies can create multiple workspaces for different teams, locations, or tenants, each with its own data visibility and permissions.

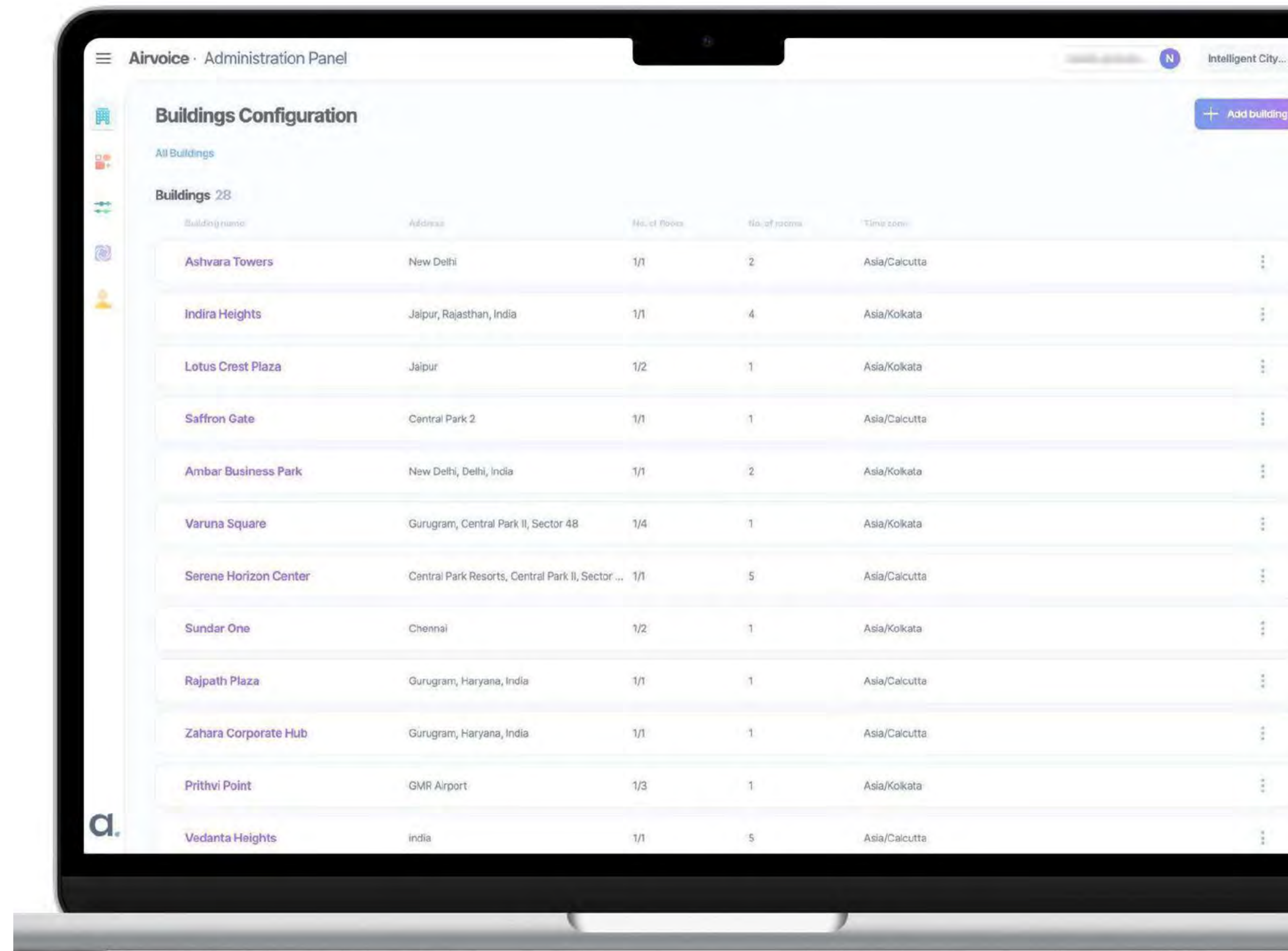
The module enables:

Creating buildings, floors, and rooms

Building “virtual” workspaces from infrastructure elements

Setting up and customizing air quality index configurations

Managing users and access across workspaces



Dealer Panel

The Dealer Panel provides advanced access for managing client companies connected to the platform.

Dealers use a dedicated interface linked to the main platform. They can access a client company's account when assistance is needed—for example, with setting up buildings, rooms, or workspaces—using the same tools available in the Administration Panel.

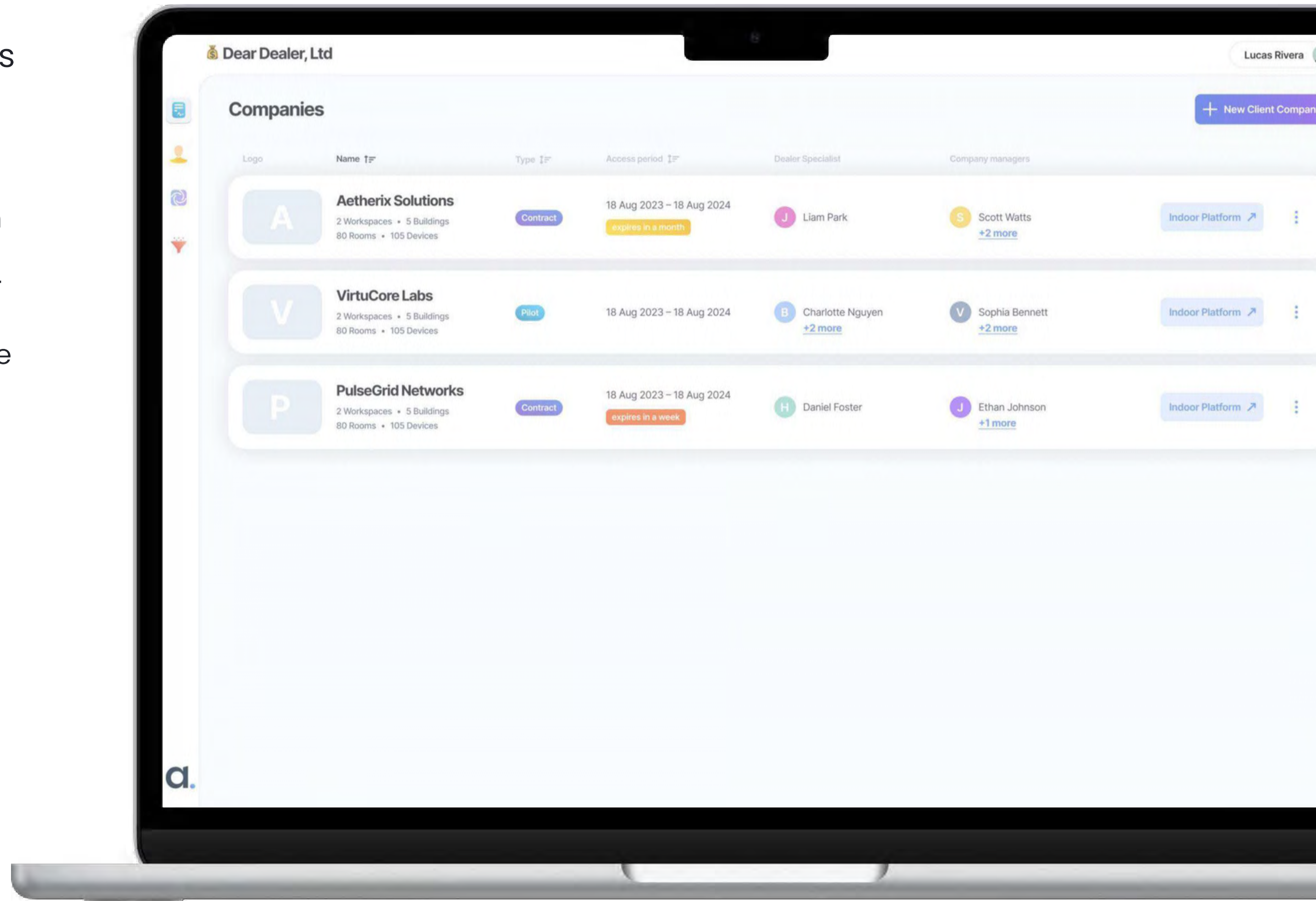
The module enables:

- Creating new client companies
- Inviting Company Managers

- Managing contract terms and monitoring expirations

- Overseeing devices assigned to the Dealer's balance

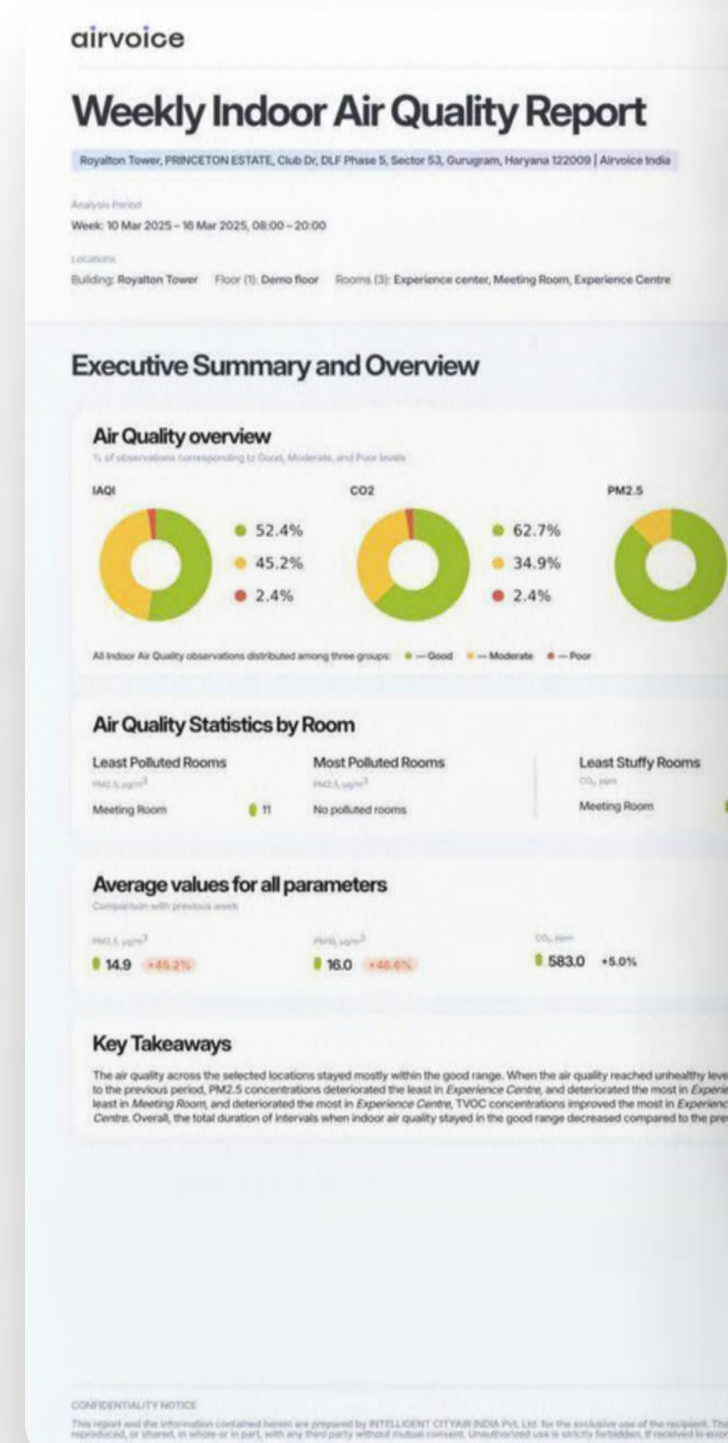
- Viewing a marketplace of potential clients



Green-Building Ready Reporting





Support green building certifications with tailored IAQ reports

Generate automated reports aligned with LEED, WELL, and RESET standards. Meet compliance requirements and earn certification points with detailed, customizable air quality analytics.



Air Quality Indexes

The Indoor Air Quality Index (IAQI) is calculated based on the real-time data on pollutant concentrations

Airvoice indexes	Integrated indexes	
<ul style="list-style-type: none"> • IAQI (based on the EPA recommendations) • AQ Safety • AQ Comfort 	 RESET® Viral Index	<div>  Breathe Safety Index <ul style="list-style-type: none"> • Productivity • Health risks • Life quality </div> <div>  Author of methodic Usha Satish. Professor Psychiatry and Behavioral Sciences </div> <div>  Reviewer Lang Tran, Professor Director of Institute Occupational Medicine </div>

The air quality indexes used on Airvoice.Indoor are based on research papers from top universities from all over the world

Best practices for data security

Airvoice ensures the maximum level of security for data transfer by using end-to-end TLS encryption (version 1.3).

Our continuous air quality monitors have Wi-Fi and Ethernet connectivity and support various network configurations including hidden SSIDs and captive portals. Both Static IP and DHCP options are available.

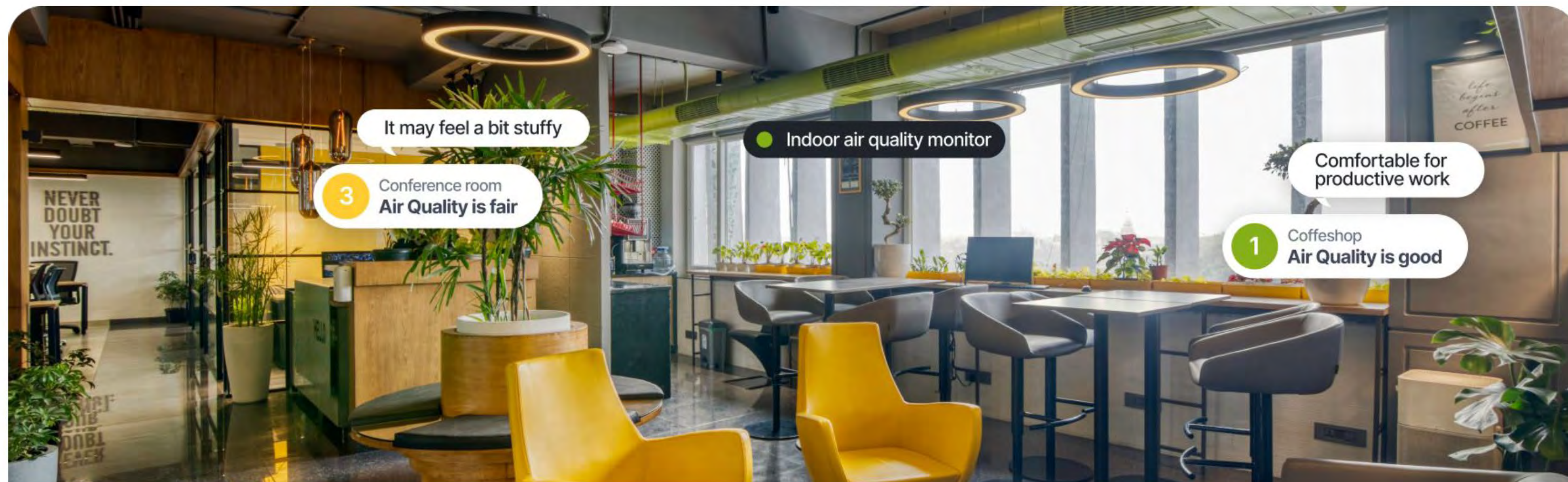
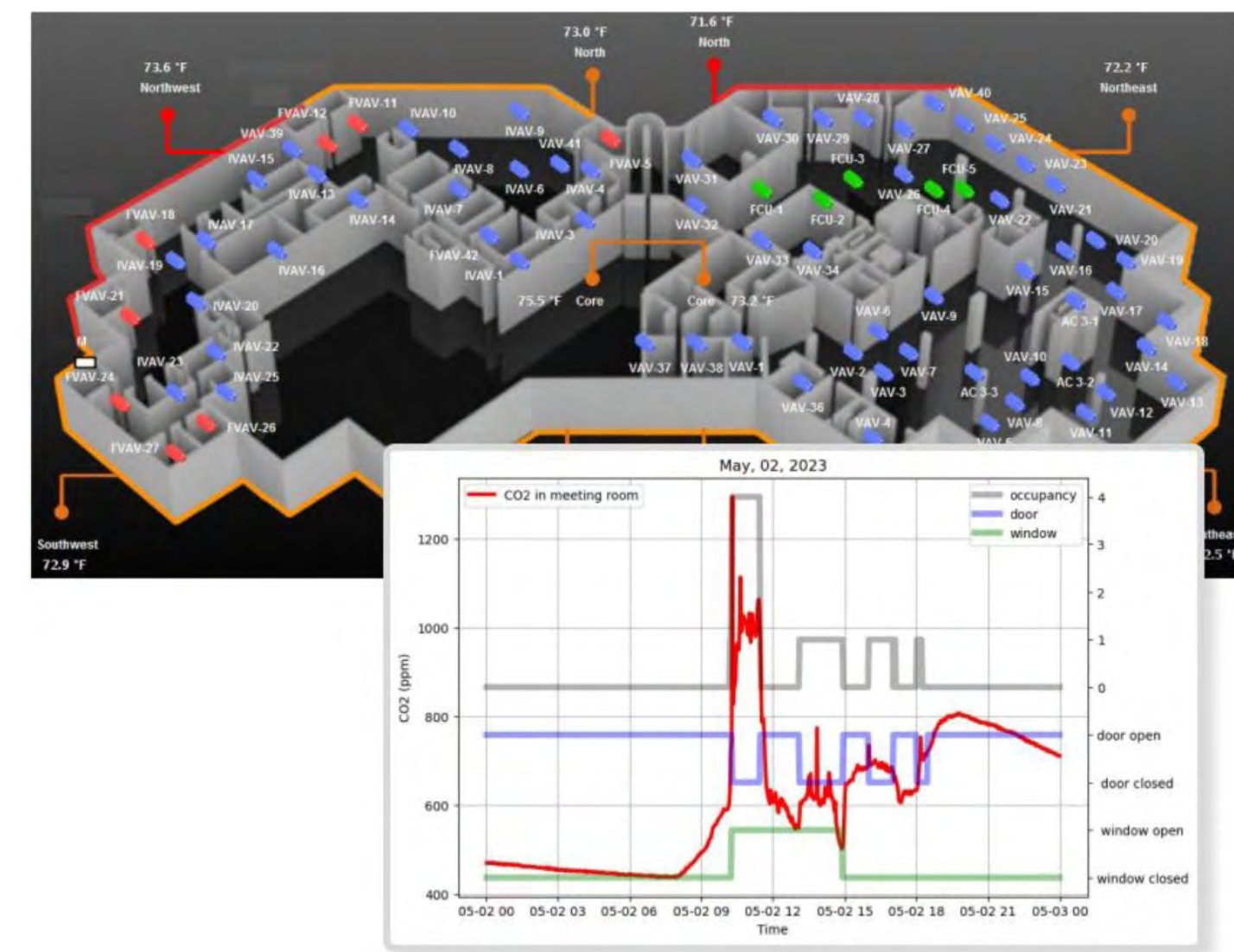
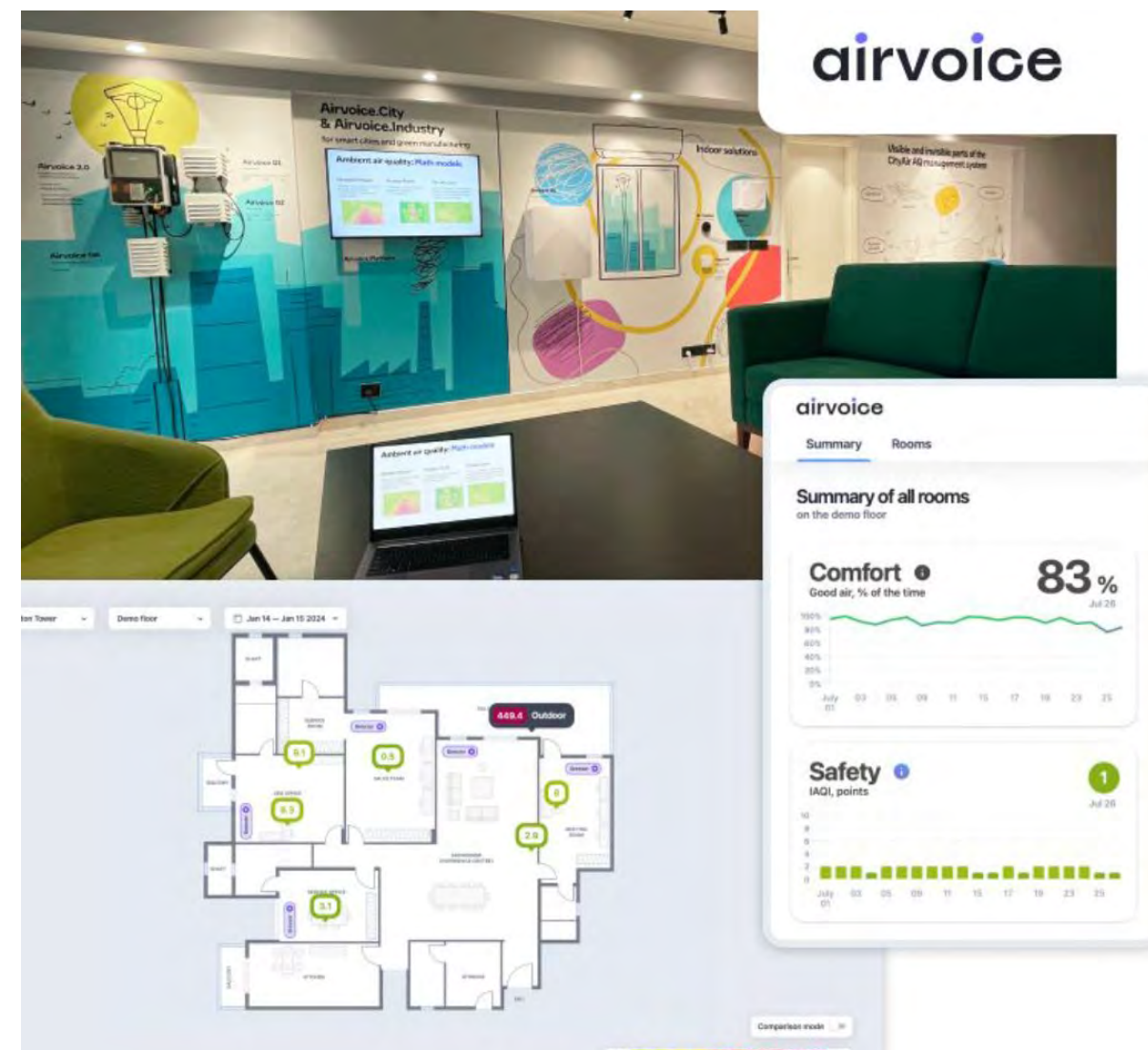
In our software we use the role-based access control model.

The cloud infrastructure complies with ISO 27701 and with the Level 1: Self-Assessment of the Security, Trust, Assurance and Risk (STAR) Program.

The CSA STAR Certification is a rigorous third-party independent assessment of the security of a cloud service provider. This technology-neutral certification leverages the requirements of the ISO/IEC 27001:2013 management system standard together with the CSA Cloud Controls Matrix.

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It may feel a bit stuffy

3 Conference room
Air Quality is fair

Indoor air quality monitor

Comfortable for
productive work

1 Coffeshop
Air Quality is good