

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

Since 2021
operating Worldwide

50+
projects globally

Joint research
with leading
universities worldwide

Clients & Partners



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

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Real-time air quality monitoring & analytics

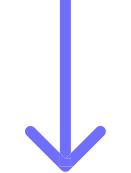


Know what's happening – zone by zone, minute by minute

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

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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.

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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

Environmental parameters

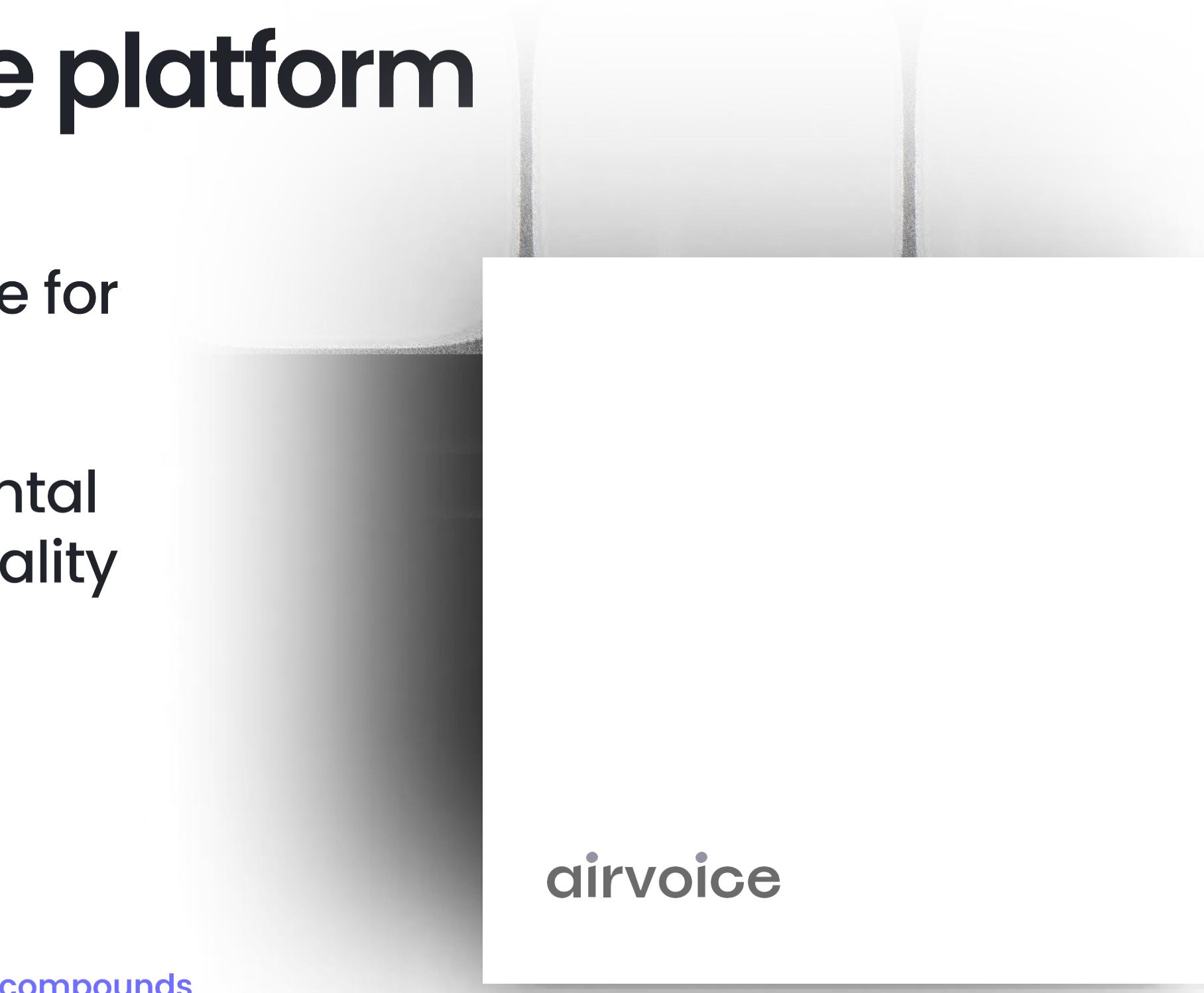
Temperature, humidity

Carbon dioxide

CO₂

Total organic volatile compounds

TVOCs

A photograph of the airvoice indoor air quality monitor. It is a small, rectangular device with a light-colored, textured surface. The word 'airvoice' is printed in a lowercase, sans-serif font on the bottom right corner of the device. The background behind the device is a blurred image of an indoor space with vertical architectural elements.

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

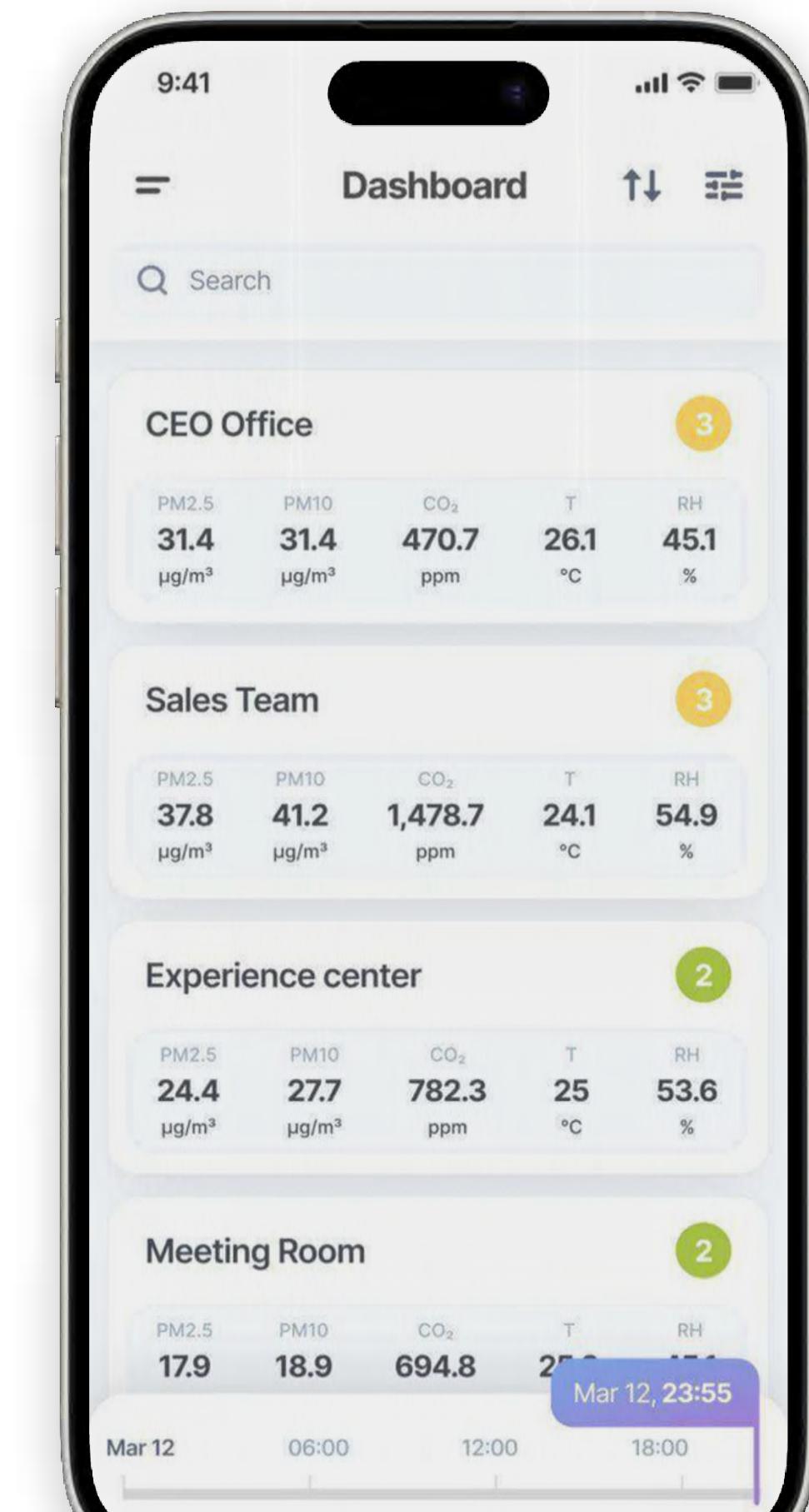
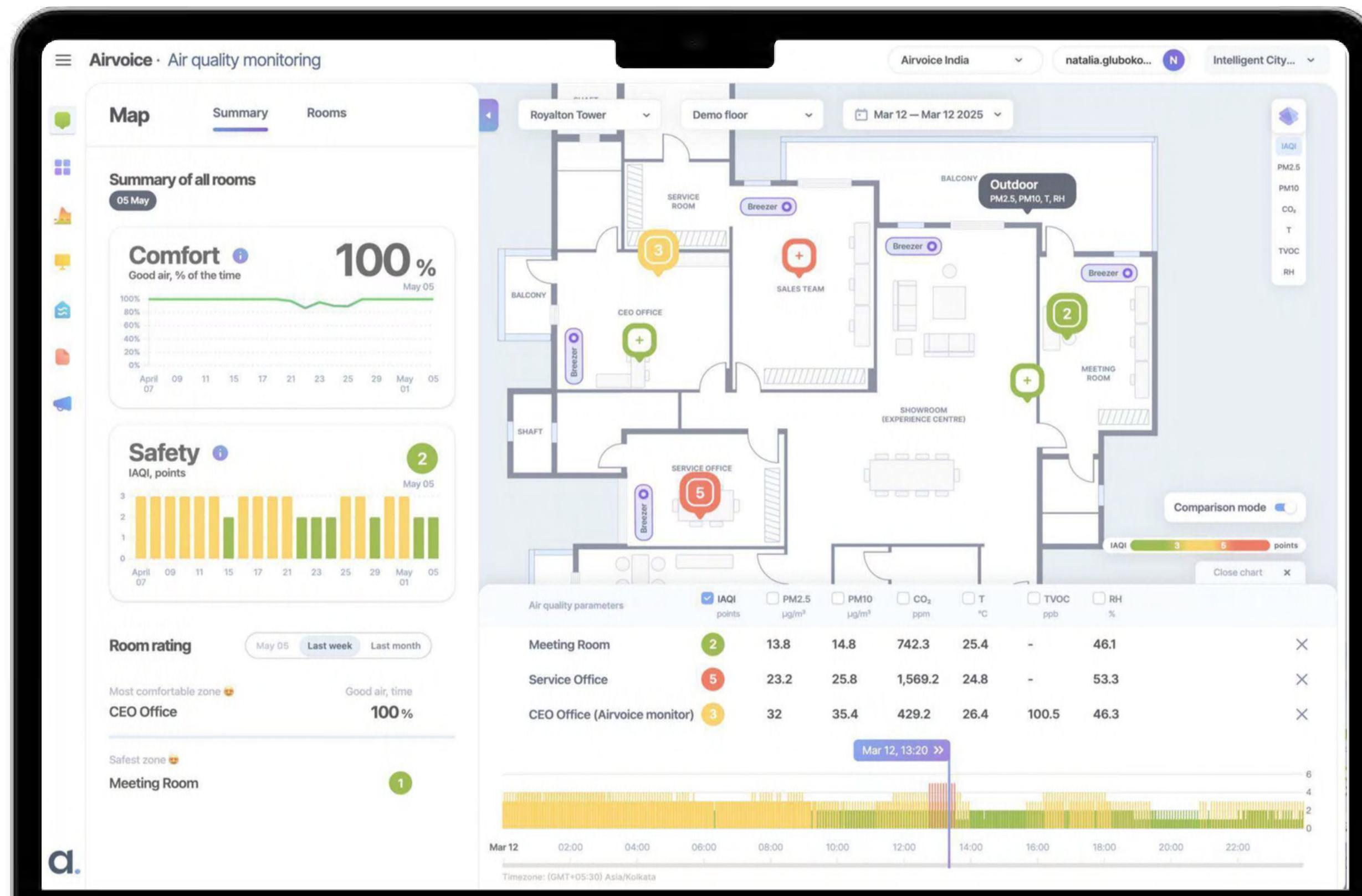
Total organic volatile compounds

TVOCs



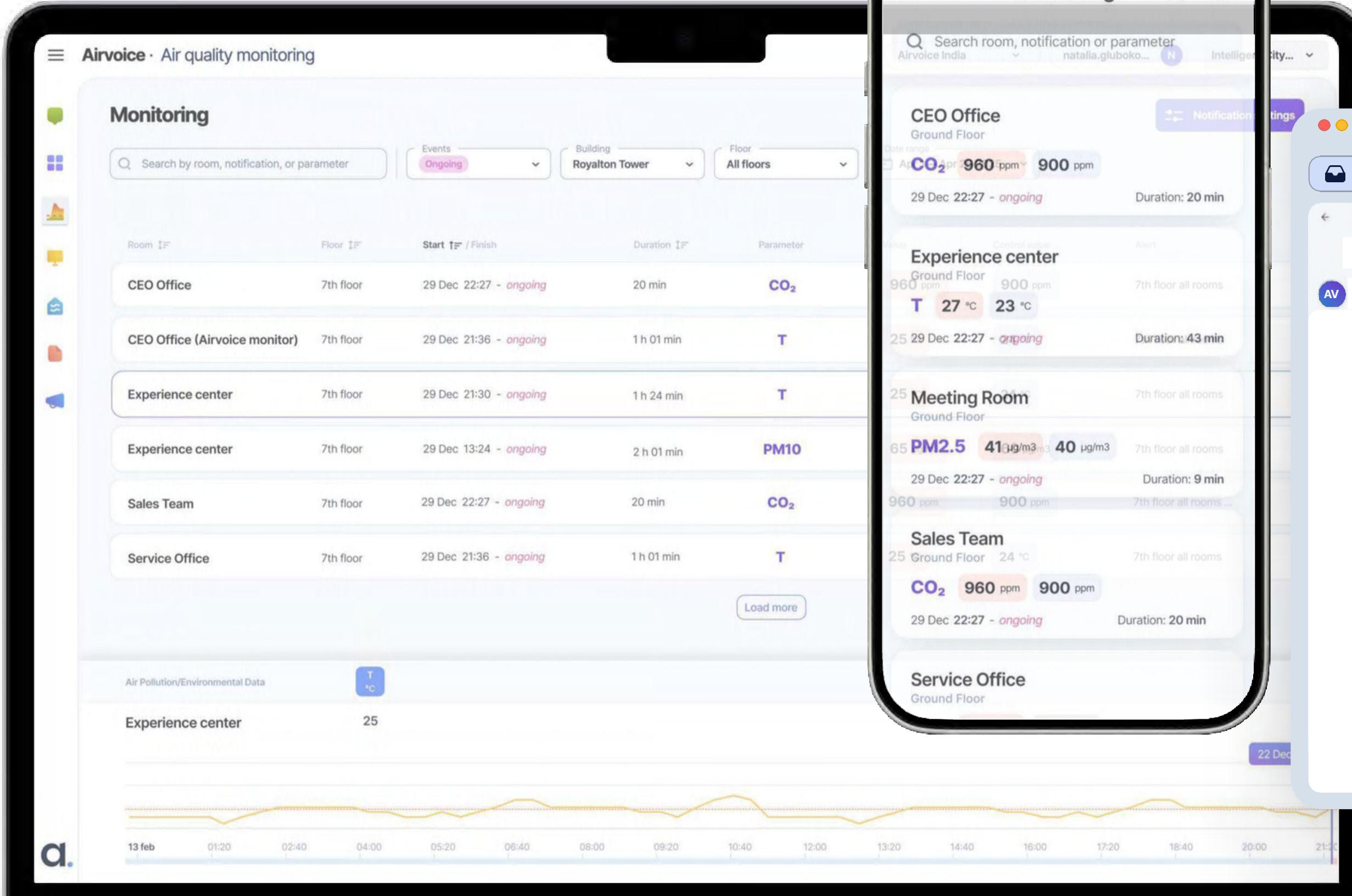
Outdoor Air Quality Monitor

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



Notifications

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



Airvoice · Air quality monitoring

Monitoring

Search by room, notification, or parameter

Events: Ongoing | Building: Royalton Tower | Floor: All floors

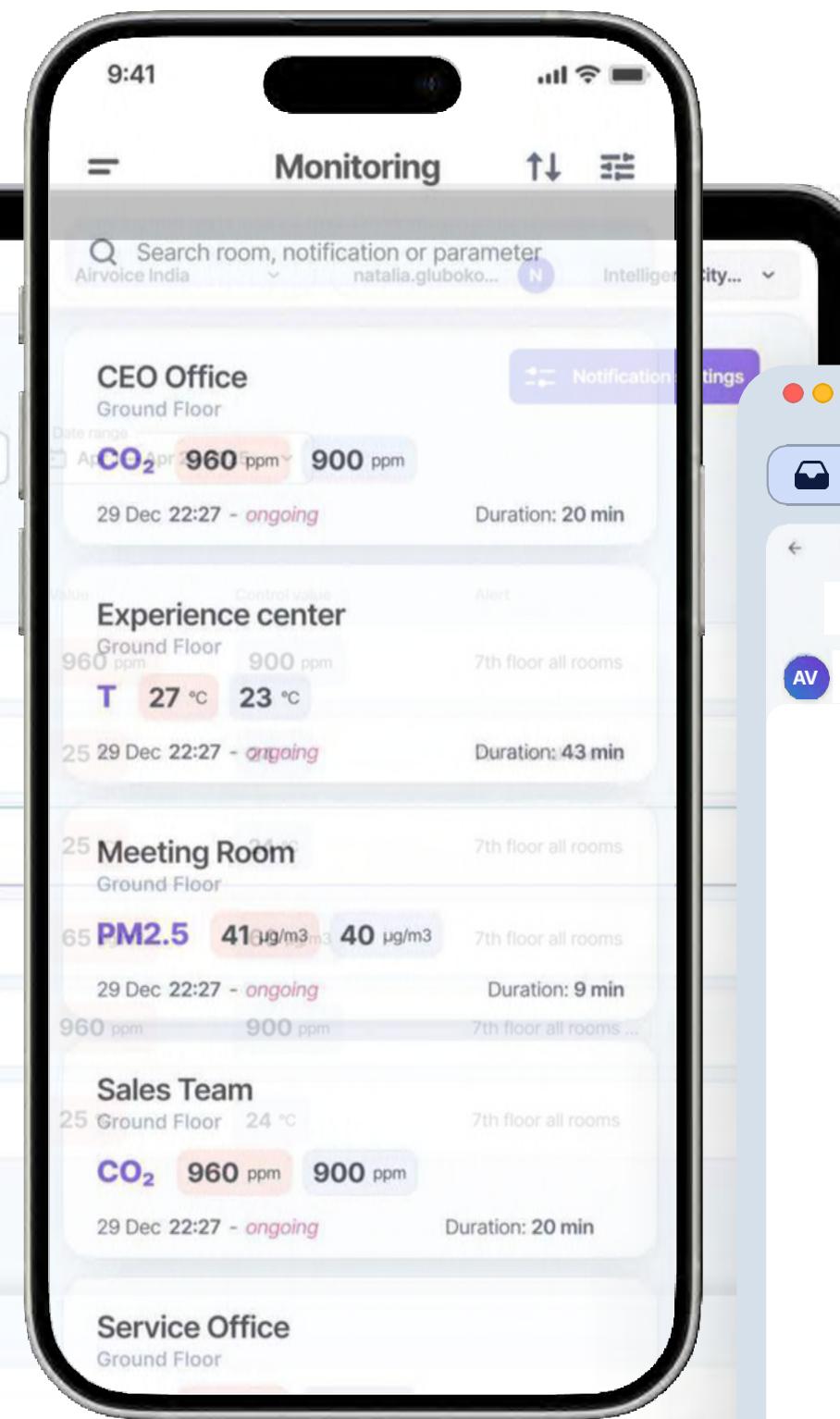
Room	Floor	Start / Finish	Duration	Parameter
CEO Office	7th floor	29 Dec 22:27 - ongoing	20 min	CO ₂
CEO Office (Airvoice monitor)	7th floor	29 Dec 21:36 - ongoing	1 h 01 min	T
Experience center	7th floor	29 Dec 21:30 - ongoing	1 h 24 min	T
Experience center	7th floor	29 Dec 13:24 - ongoing	2 h 01 min	PM10
Sales Team	7th floor	29 Dec 22:27 - ongoing	20 min	CO ₂
Service Office	7th floor	29 Dec 21:36 - ongoing	1 h 01 min	T

Load more

Air Pollution/Environmental Data

Experience center 25

13 feb 01:20 02:40 04:00 05:20 06:40 08:00 09:20 10:40 12:00 13:20 14:40 16:00 17:20 18:40 20:00 21:20



9:41 Monitoring

Search room, notification or parameter

CEO Office Ground Floor

Date range: Apr 29 Dec 22:27 - ongoing Duration: 20 min

CO₂ 960 ppm 900 ppm

Experience center Ground Floor

T 27 °C 23 °C

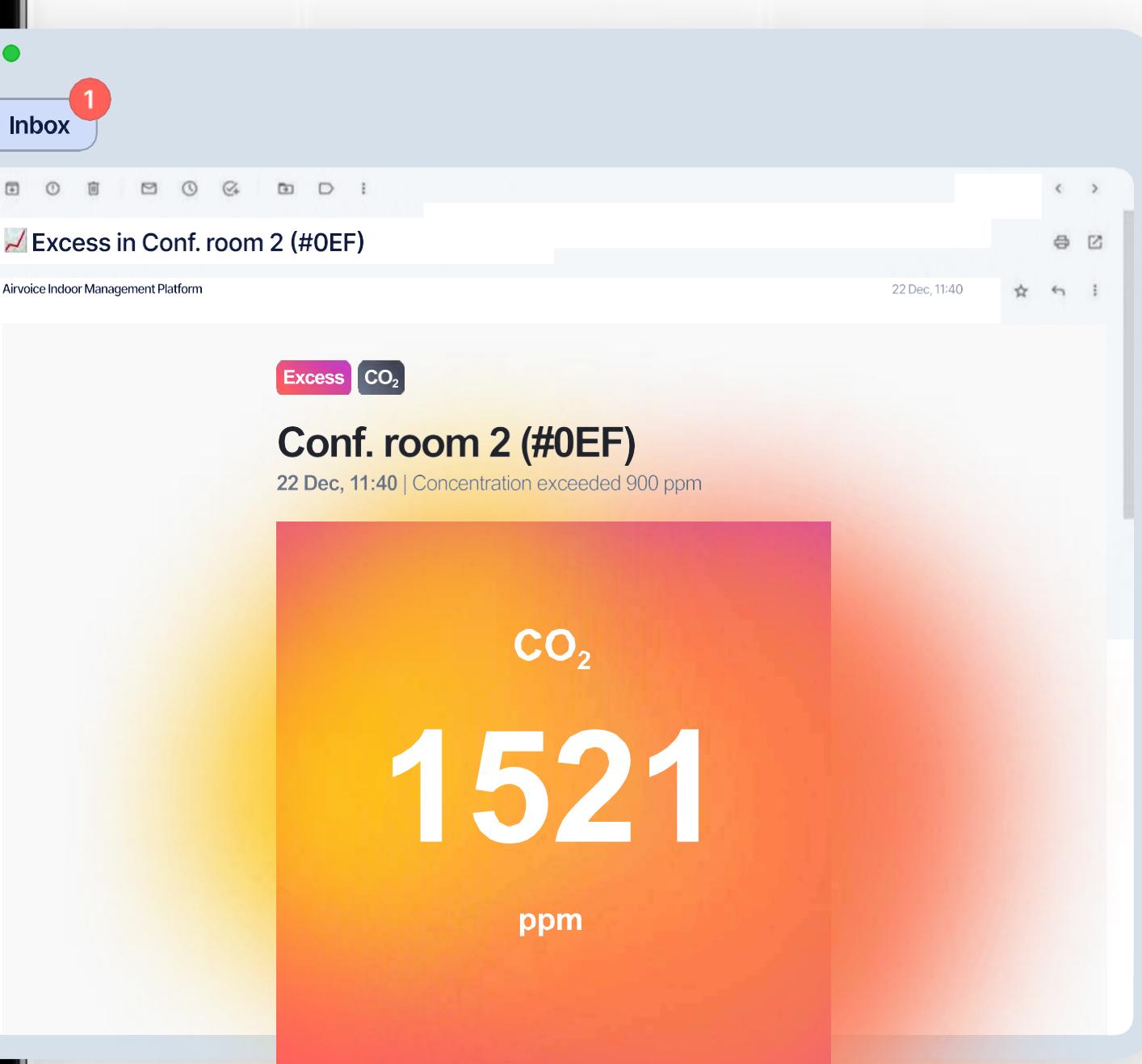
Meeting Room

PM2.5 41 µg/m³ 40 µg/m³

Sales Team

CO₂ 960 ppm 900 ppm

Service Office Ground Floor



Inbox 1

Excess in Conf. room 2 (#0EF)

Excess CO₂

Conf. room 2 (#0EF)

22 Dec, 11:40 | Concentration exceeded 900 ppm

CO₂ 1521 ppm

Reporting Module

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

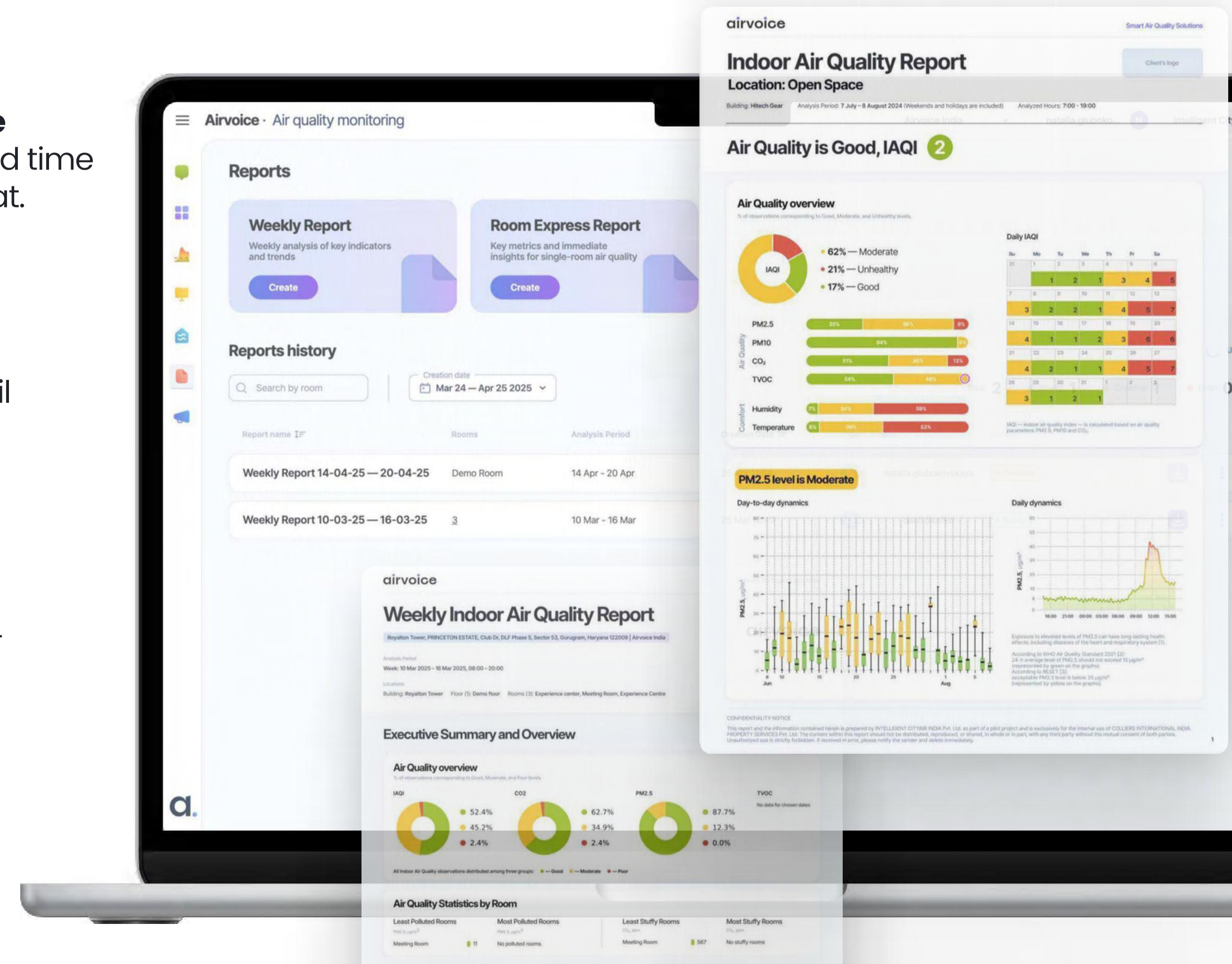
Key features:

Generate reports with varying levels of detail and complexity

Export reports as PDF files for sharing or printing

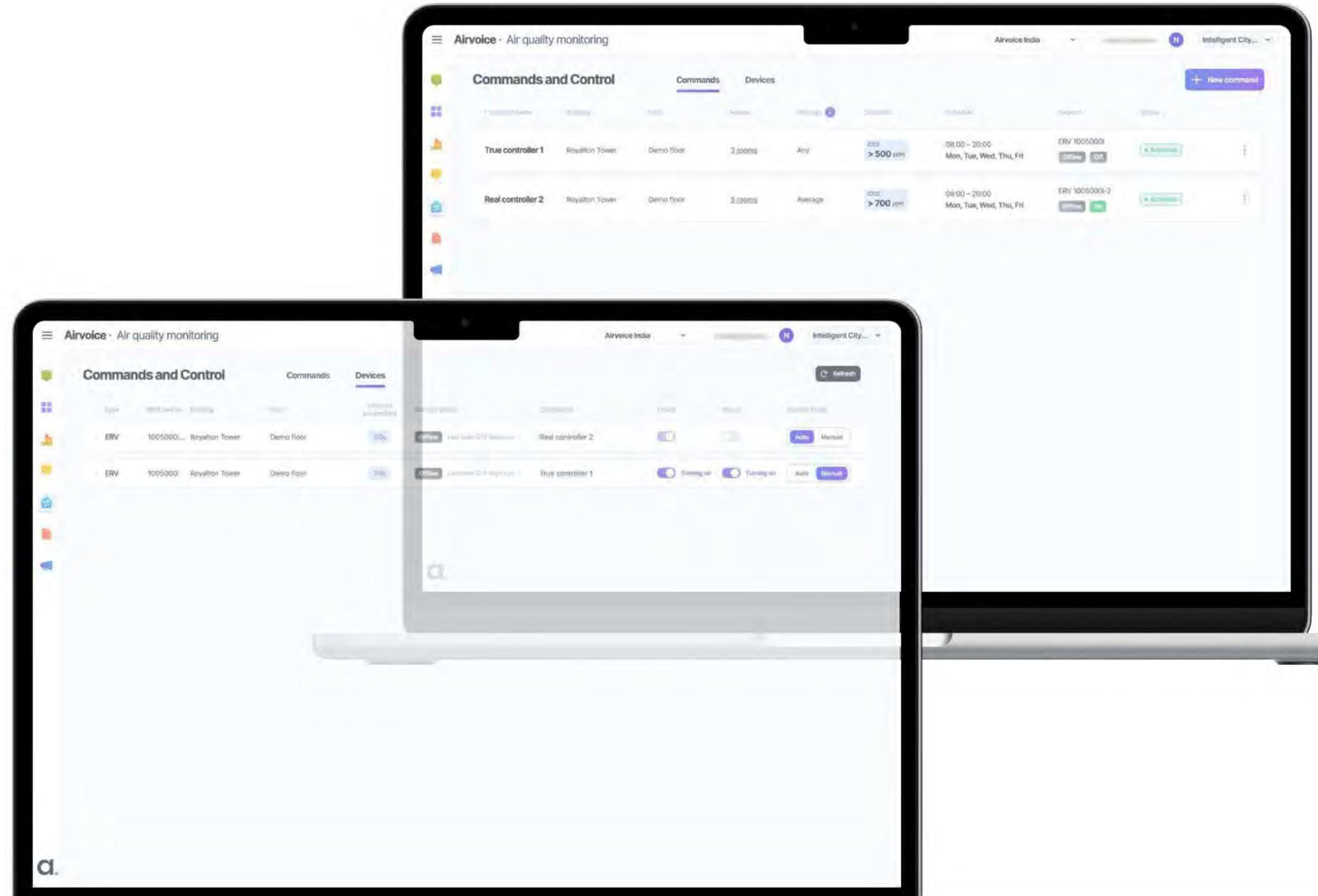
Present results through charts and graphs—suitable for both technical teams and management

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

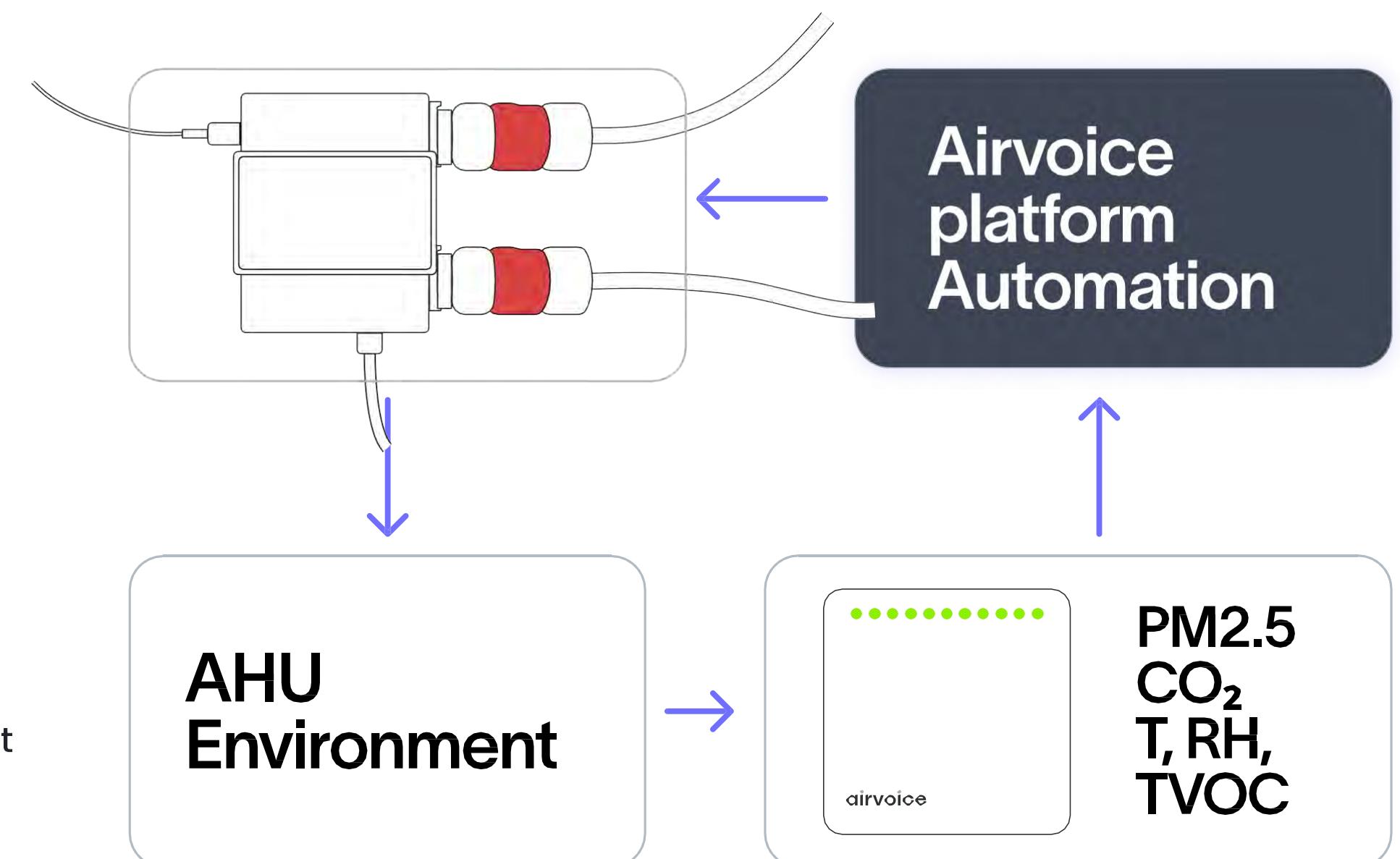
Reduces runtime and extends filter life

Seamless Integration

Compatible with major HVAC and BMS systems

Hands-Off Operation

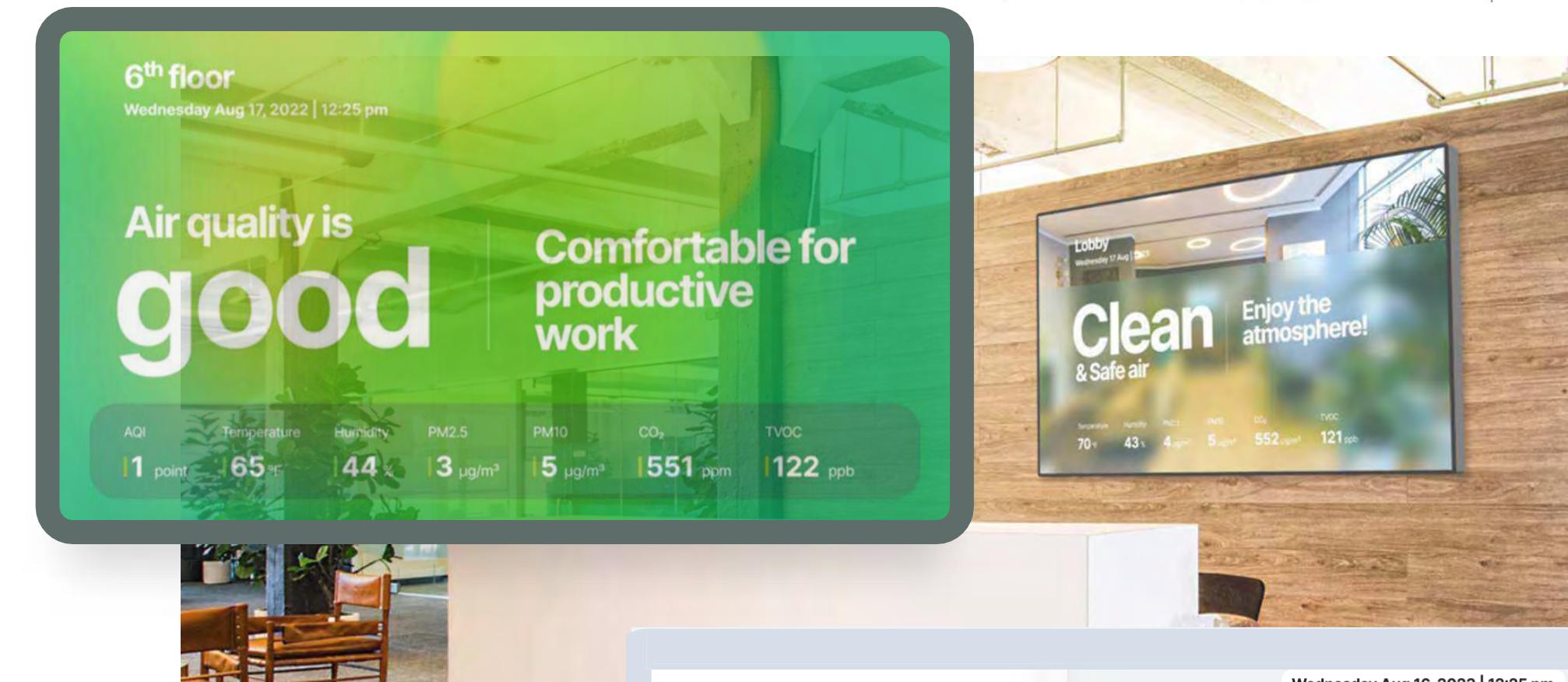
Fully automated – no manual input required



Communicating High Air Quality Standards

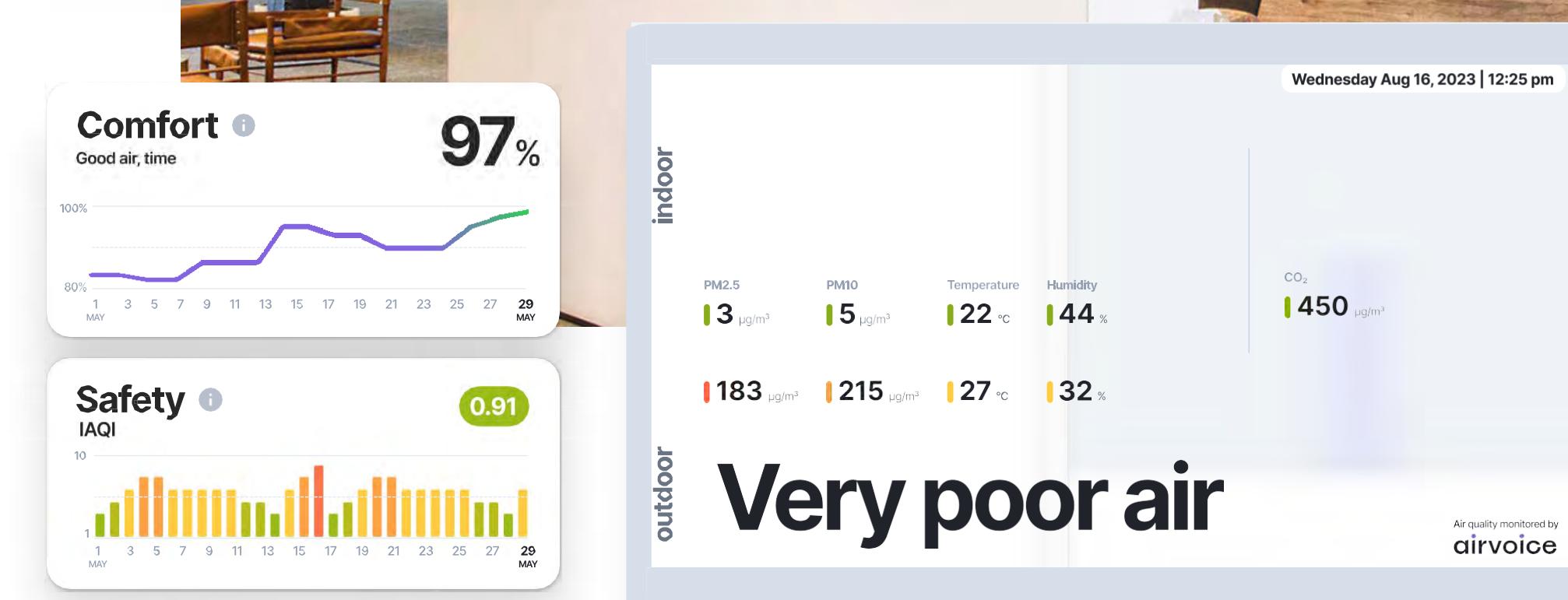
Diverse visualization formats:

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.

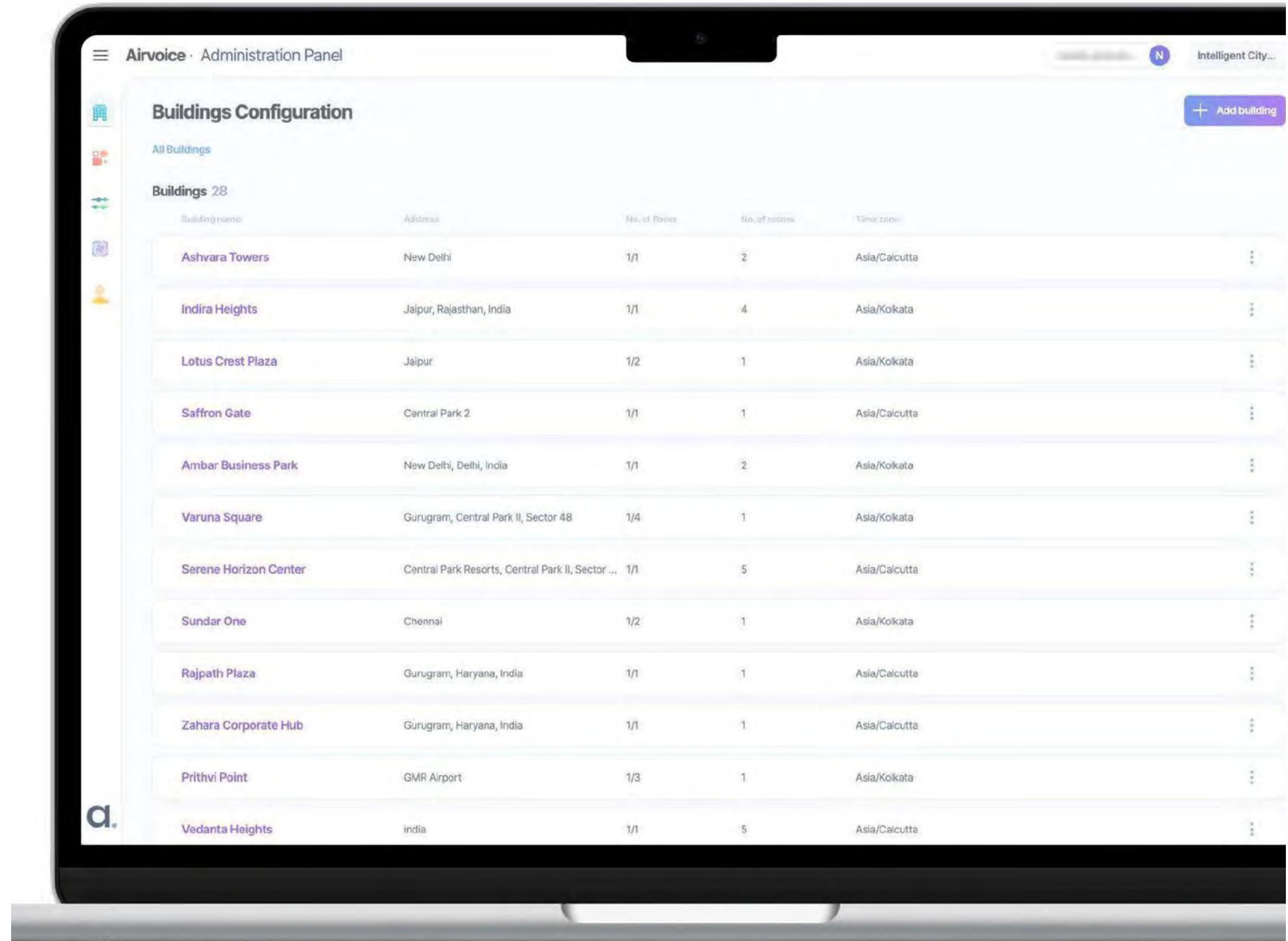
The module enables:

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



The screenshot shows a list of buildings in the 'Buildings Configuration' section of the Airvoice Administration Panel. The list includes the following data:

Building name	Address	No. of floors	No. of rooms	Time zone
Ashvara Towers	New Delhi	1/1	2	Asia/Calcutta
Indira Heights	Jaipur, Rajasthan, India	1/1	4	Asia/Kolkata
Lotus Crest Plaza	Jaipur	1/2	1	Asia/Kolkata
Saffron Gate	Central Park 2	1/1	1	Asia/Calcutta
Ambar Business Park	New Delhi, Delhi, India	1/1	2	Asia/Kolkata
Varuna Square	Gurugram, Central Park II, Sector 48	1/4	1	Asia/Kolkata
Serene Horizon Center	Central Park Resorts, Central Park II, Sector ...	1/1	5	Asia/Calcutta
Sundar One	Chennai	1/2	1	Asia/Kolkata
Rajpath Plaza	Gurugram, Haryana, India	1/1	1	Asia/Calcutta
Zahara Corporate Hub	Gurugram, Haryana, India	1/1	1	Asia/Calcutta
Prithvi Point	GMR Airport	1/3	1	Asia/Kolkata
Vedanta Heights	India	1/1	5	Asia/Calcutta

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.

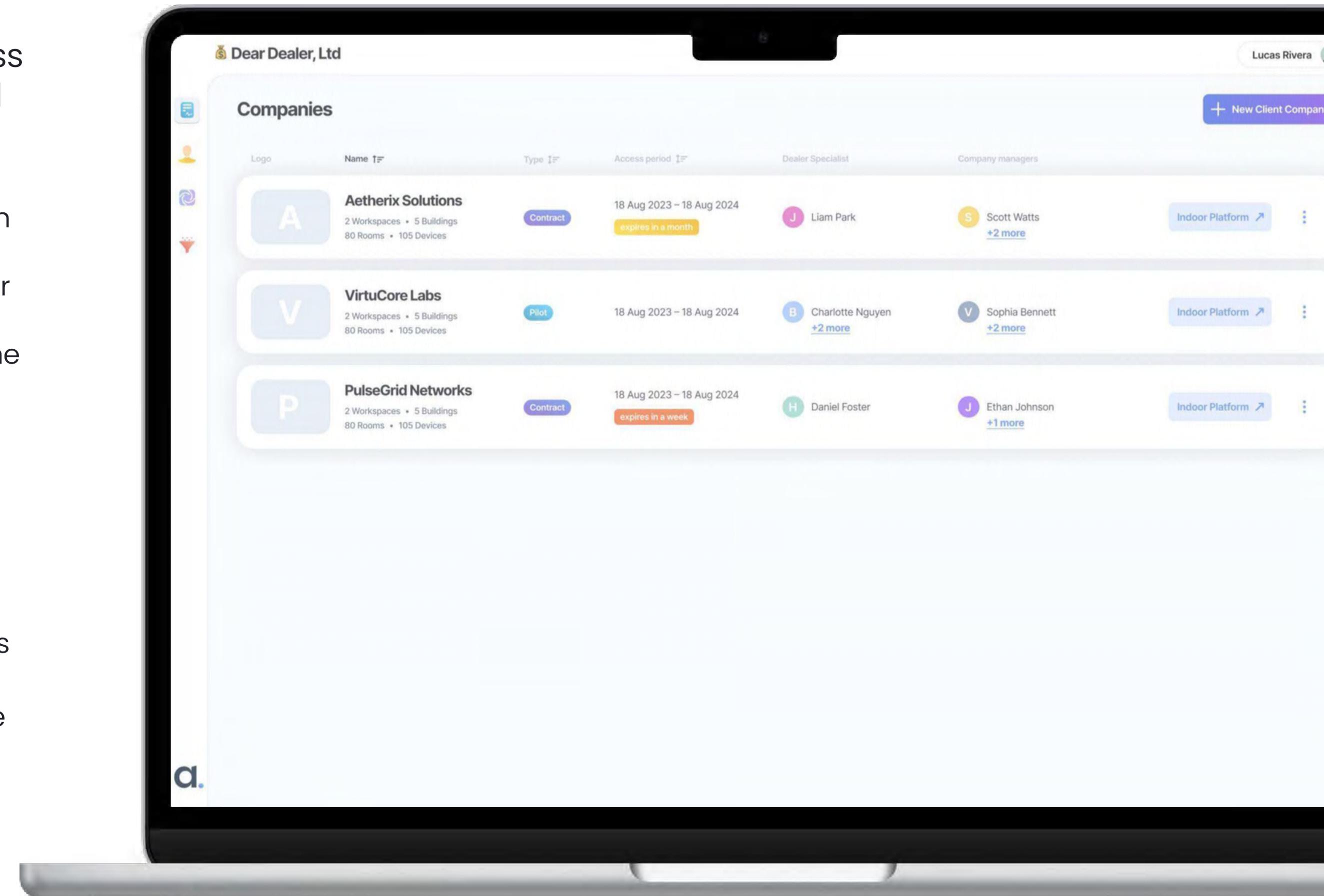
The module enables:

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

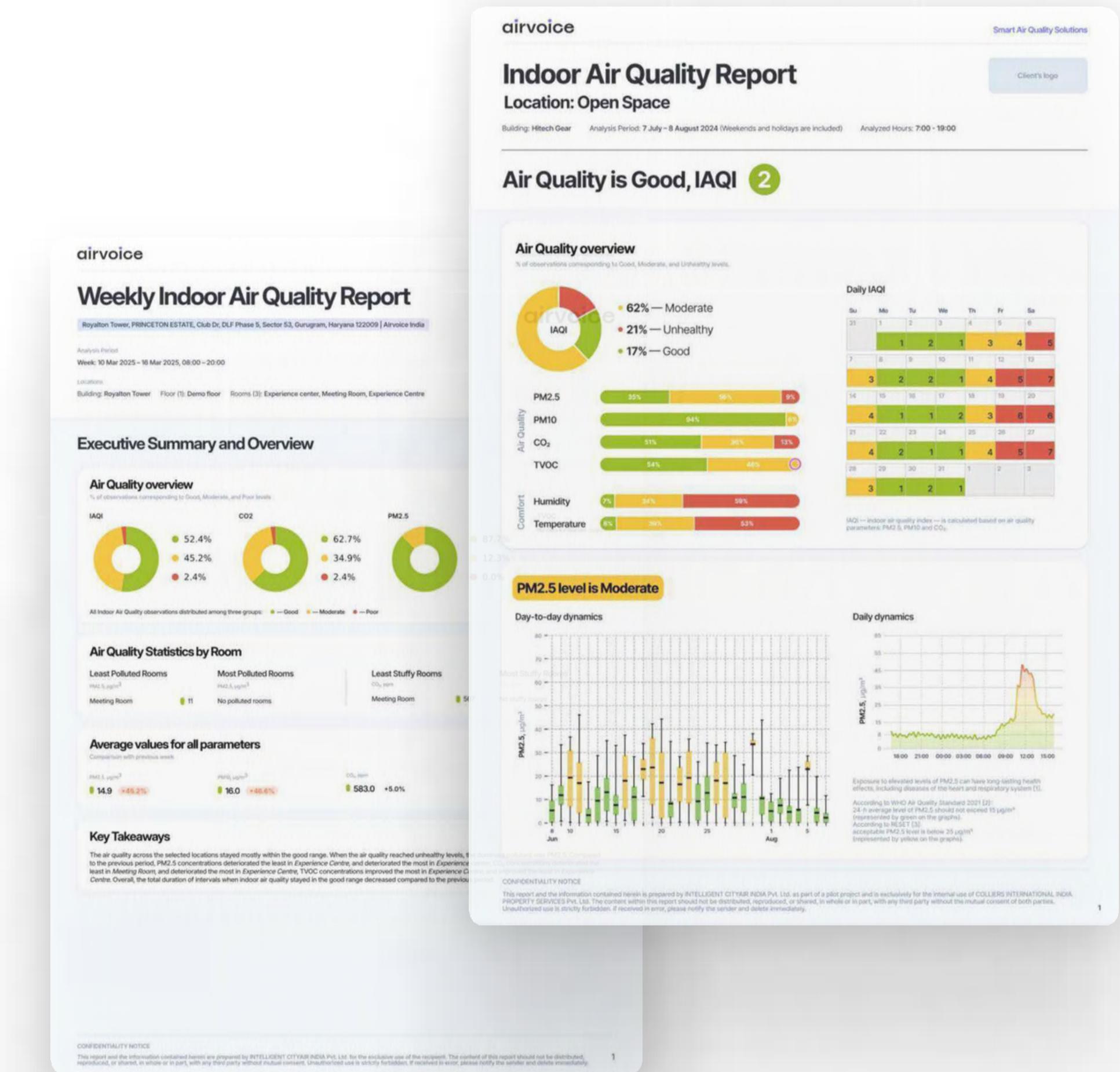


Logo	Name	Type	Access period	Dealer Specialist	Company managers
A	Aetherix Solutions	Contract	18 Aug 2023 – 18 Aug 2024 expires in a month	J Liam Park	S Scott Watts +2 more
V	VirtuCore Labs	Pilot	18 Aug 2023 – 18 Aug 2024	B Charlotte Nguyen +2 more	V Sophia Bennett +2 more
P	PulseGrid Networks	Contract	18 Aug 2023 – 18 Aug 2024 expires in a week	H Daniel Foster	J Ethan Johnson +1 more

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

- IAQI (based on the EPA recommendations)
- AQ Safety
- AQ Comfort

Integrated indexes



RESET®
Viral Index



Breathe Safety
Index



Author of methodic
Usha Satish. Professor
Psychiatry and
Behavioral Sciences

Reviewer
Lang Tran, Professor
Director of Institute
Occupational Medicine

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

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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.

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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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