

# Achieving and Maintaining a Healthy Building

Start with a platform to measure, manage, and communicate air quality.

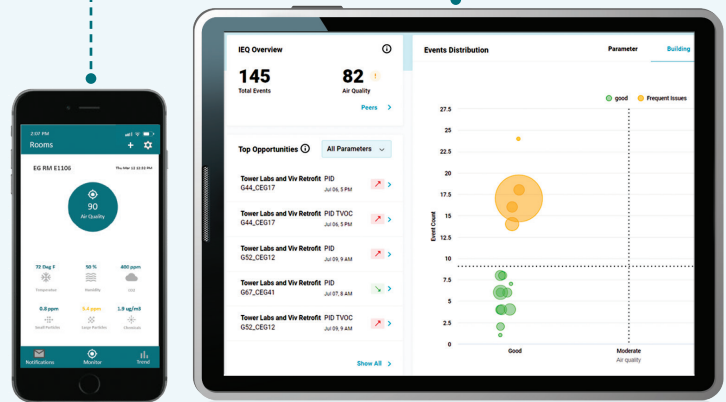
- 1 Verify fresh air supply.
- 2 Control based on outdoor air conditions.
- 3 Manage other air quality improvement strategies.
- 4 Provide more air where and when needed for real-time IAQ control.
- 5 Communicate healthy building insights.
- 6 Comprehensive air quality platform.



## Aircuity's Platform

A data driven approach to a healthy building.

- Accurate **measurement** of science-based healthy building parameters.\*
- Integrate to the building automation system for precise **management** 24/7.
- Cloud-based **communication** platform with intelligent analytics.



\* Refer to Healthy Air Targets chart on back.

# Strategies for Achieving and Maintaining a Healthy Building

- Implement a platform that can be a single point of reliable IAQ data for all building constituents — owners, operators, and occupants.
- Use data for retro commissioning to keep the building healthy and productive over time.
- Measure outside air quality to ensure clean, healthy, and properly humidified air is delivered to occupants.
- Measure the filters pre and post to ensure small particle filtration is being achieved.
- Use Aircuity to provide accurate dewpoint/humidity measurement, as humidity has proven to be an important control parameter of occupant health especially during peak viral seasons.
- Implement Aircuity's demand control ventilation to deliver more air where and when needed to ensure best productivity and human health.
- Identify densely occupied spaces, such as conference rooms, where human health may be at a higher risk.
- Utilize Aircuity's IAQ platform to manage all other air quality improvements such as: ionization, in room filtration and AHU UV.

## \*Healthy Air Targets

PARAMETER	TARGET
Total Volatile Organic Compounds <sup>1</sup>	< 500 µg/m <sup>3</sup>
Micro Respiratory Particles <sup>2</sup> (0.3 – 0.5 µm)	space dependent
PM 2.5 (0.5 – 2.5 µm)	< 15 µg/m <sup>3</sup>
Carbon Monoxide	< 9 ppm
Carbon Dioxide	200–500 ppm differential above outside air
Relative Humidity	40–60%

1. Aircuity deploys a PID and MOS sensor for the broadest and most accurate measurement of TVOCs.

2. Research ongoing, consult with Aircuity based on filtration strategy and healthy building targets.

## LEARN MORE

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