

# Breathe easy: Manage and improve building air quality



## Smart Air Monitoring & Purification

### Optimize air quality systems and assure occupants that your buildings remain safe for business

The recent coronavirus pandemic delivered a wake-up call: we can't take the air we breathe for granted. Viruses, toxic gases and particulates circulating within buildings can impact the health of residents, workers and visitors. Building owners and property managers now need to evaluate and demonstrate the efficacy of their indoor air monitoring and purification systems to assure tenants and customers that the air inside is safe.

Smart air monitoring and purification enables real-time monitoring and protection of indoor environments. A network of discreet sensors help ensure air flowing through your buildings is monitored and decontaminated - information that can be displayed in high-traffic settings to help assure occupants and visitors they are in a healthy air environment. You'll also improve energy efficiency by monitoring HVAC systems for optimal performance, with predictive analytics to pre-emptively address any concerns.

### Provide a building environment that improves occupant satisfaction



#### Actively monitor air quality

Get notifications and real-time updates detailing when, where and how air quality changes—including HVAC system performance—all in an intuitive dashboard.



#### Understand risk factors

Track Particulate Matter (PM2.5), Relative Humidity (RH) and Carbon Dioxide (CO<sub>2</sub>) so you can make informed decisions and determine the risk of airborne disease transmissions.<sup>1</sup>



#### Optimize energy consumption

Reduce operational costs and embrace sustainability as a greener building. Predictive analytics help ensure HVAC systems conserve energy and function optimally.



#### Purify and sanitize the air

Provide continuous decontamination, cleaner air and reduce energy in buildings, through needlepoint bi-polar ionization technology.

<sup>1</sup>. Based on American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) and the US Centers for Disease Control (CDC) guidelines.

“See” the air inside your properties

Equip priority indoor spaces with precisely-located sensors to gather and transmit critical data about air quality into a central, easy-to-use dashboard.



**Detect levels of harmful pathogens, particulate and gases**

Monitor fluctuations in potentially dangerous indoor air conditions, such as:

- CO, NO<sub>2</sub>, CO<sub>2</sub>, SO<sub>2</sub>, Ozone and relative humidity
- Particulate matter down to PM2.5, including mold spores, bacteria, dust, smoke, and airborne viral particles
- Volatile organic compounds such as those in solvents, fuel oxygenates, or by-products of water chlorination, like chloroform



**Track air quality and HVAC system**

Use live data to better understand the air quality of indoor environments:

- Make informed decisions in the moment and from accurate weekly, monthly and annual trends
- Receive notifications when indoor air quality and HVAC operation falls below standards
- Respond quickly to prevent occupant complaints and illness



**Visualize across multiple vectors**

Verify baselines, trends and anomalies—in a single building, or across a portfolio:

- Identify trends over time about when, where and why air quality degradation occurs
- Generate target reports based on occupant activity, time and location
- Share progress with operators and stakeholders to provide evidence of performance



**Purify the air and render viruses and pathogens inert**

Create clean indoor air – without producing harmful levels of ozone:

- Neutralize odors by destroying volatile organic compounds
- Significantly reduce the existence of particles, control smoke, and kill pathogens, such as bacteria, viruses, mold
- Help alleviate symptoms caused by allergens and asthma

**Web-based dashboard for green HVAC system efficiency**

View near-real-time data of your indoor air quality from a single dashboard across multiple sites:

- Keep track of multiple air quality alerts across multiple buildings
- Real-time and historical data visualization based on time and location
- Get alerts and custom notifications with steps to resolve problems

Find out more details of how to improve air quality in your buildings

Contact us today to find out how:

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