

# Monitoring Indoor Air Quality

GermSweep's IAQ sensors give you the data you need to  
Return to Work safely now and in the future



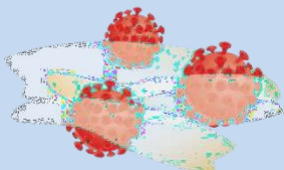
## ...And Make Your Return to Work Both Safe and Healthy

Facility Managers and Executives everywhere are left with the dilemma to determine a strategy to open and maintain a healthy work environment now and post-pandemic. As a result, there is unprecedented attention on HVAC add-on products such as NBPI or UVC/ HEPA filters. But how do you determine if these solutions are working effectively? Unlike temperature or humidity these new emerging technologies are difficult to measure.

**Germssweep Stay Safe IAQ Monitoring** measures Ions, Particulate Matter, and a dozen other elements *continuously and in real-time*. Our solution provides the data needed to validate that all aspects of your COVID-19 mitigation plan are working.

This makes it a very powerful tool and provides assurance to employees, visitors, and customers that your environment is safe.

COVID-19 is transmitted  
through the air as it attaches  
to microscopic droplets



Bioaerosols remain in the air for hours and pose an inhalation threat in shared spaces. Masks and social distancing reduce the risk of infection, but they cannot detect it. Detection is critical for curbing the risk of transmission.

### IAQ Issues in offices are Also Well Documented

The EPA has been providing schools IAQ guidance for over two decades. According to the GSA, an estimated 50+% of office buildings need to update or replace HVAC systems.



*"Qualitative and quantitative evidence demonstrating the relationship between IAQ and human performance and productivity has become more robust."*

- ✓ Reduced absenteeism
- ✓ Increased productivity
- ✓ Improved employee satisfaction

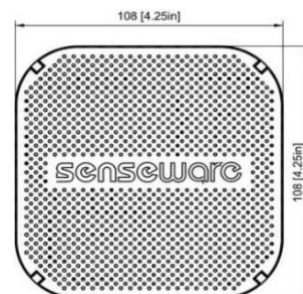
## IAQ Monitoring is a Powerful Tool. Here's How it Can Help.

- ✓ **Assess:** IAQ Monitoring can help identify issues with your ventilation and filtration strategy. Which work areas get enough airflow? What spaces carry infection risk? Make strategic changes, not unnecessary ones.
- ✓ **Identify:** IAQ monitoring can help identify other contaminants such as Ozone emitted from office equipment that hurt employees, particularly those with asthma.
- ✓ **Verify:** Continuous real-time monitoring lets you know if changes to reduce transmission risk are working. For example, how do you know if all spaces are benefiting from the NBPI solution you just implemented?
- ✓ **Monitor:** Many facilities have had engineers take readings to determine strategy. But office buildings are highly dynamic environments. Over the long term, our solution ensures your spaces remain as safe as possible.
- ✓ **Assurance:** Your employees and customers will know you have taken every step possible to ensure the safety of their children.

## Our IoT Platform is Modular, Scalable and Future Proof

Stay Safe IAQ Monitoring is powered by Senseware's sensor agnostic, real-time IAQ monitoring network. Their patented Modular IoT Architecture integrates new sensor technology quickly. As result, our unique set of sensors include a number of market innovations. In addition to RH, Temp and CO2, measurements Include:

- ✓ **IAQ-I:** In an industry first, our next-generation Ion sensors provide a complete picture of the efficacy of your Needlepoint Bipolar Ionization (NBPI) system.
- ✓ **Particulate Matter (PM):** In another market first, we can continuously monitor particle sizes as small as 0.3µm to measure the effectiveness of filtration strategies and helps identify potential problem areas.
- ✓ **Volatile Organic Compound (VOC):** An unintended consequence of surface cleaning procedures is an increase in VOC concentrations that can negatively impact people, particularly those with Asthma.
- ✓ **Ozone (O3):** Emissions from printers, copiers and other office equipment cause acute and chronic health problems. Even trace amounts can impact health.
- ✓ **Bio-sensors:** Real-time, continuous bio-sensing that can detect potential threats from infectious aerosols.



# Air Quality Monitoring Puts You in Charge

*Together we can provide a clear map of your building/ office's air quality*

Office buildings are dynamic spaces. Space use changes frequently. Different spaces have different needs.

GermSweep allows you to stop guessing about facility air quality and safety, and start knowing. Air quality monitors detect changes in airborne contaminant levels to generate a dynamic airflow analysis that drives our proprietary Ventilation Performance Index (VPI) and Infection Risk Index. You have visibility as to where your risk is the highest and can make informed adjustments as needed.



## About Us

**GermSweep**, a minority-owned business, uses a data driven, multi-layered strategy to mitigate surface and aerosol transmission of infectious diseases. Our services include Disinfection Services using electrostatic sprayers, a non-toxic disinfectant, high-touch and high-traffic wipe-down and ATP Surface Testing to confirm results. Our Planning Services are delivered by FEMA Certified Risk Mitigation experts.

**The Well Building Standard™** version 2 (WELL v2™) is a vehicle for buildings and organizations to deliver more thoughtful and intentional spaces that enhance human health and well-being.

*Monitors are sited at locations compliant with the following requirements:*

- a. Monitor density is at least one sensor per 3500 ft<sup>2</sup> of occupiable space.
- b. 3.6-5.6 ft above the finished floor at locations where occupants would typically be seated or standing.



## WELL-Building Standard

Stay Safe IAQ Monitoring adheres to the WELL Building Standard® version 2 guidelines, a performance-based system for measuring and monitoring features of a built environment that impact, support and advance human health and wellbeing.

## Real-Time, Cloud-Based Monitoring, Alerts & Reporting

Hosted on a FedRamp compliant cloud infrastructure, our solution provides actionable intelligence from more than a dozen sensors to allow responsible parties to take immediate action if a threat is detected; and assurance that all the measures that are put in place to protect people's health are working as they should.



## GermSweep makes it easy to monitor Air quality in seconds

*Getting started is fast and easy.*



## Why Are We Better?



### Fast & Easy

Our IoT Edge hardware is solution-ready, tightly integrated with the IoT Core (Cloud), and rapidly deployable with minimal on-site setup



### Scalable

Our IoT Platform is extensible and future proof; it adjusts to your unique and evolving data application needs through a catalog of Bridge devices.



### Actionable Interface

Our real-time data/analytics enable platform adopters to deliver industry solutions that produce efficiencies in people, processes and systems.



### Customer Support

Our support team is quick to respond and here to help. Once you experience our intuitive web UI tools, you'll be off and running.

## BACnet Compatibility

Stay Safe IAQ Monitoring is BACnet compatible, a communication protocol for Building Automation and Control (BAC) networks developed by ASHRAE and is now both an ANSI and ISO standard protocol.

## COOP Purchasing Agreement

NPPGOV serves public and non-profit markets as a cooperative purchasing agreement created through an RFP process conducted by a Lead Public Agency. GermSweep's publicly solicited contract number is PS21025.

[+ Add Widget](#) [Generate](#) [🔍 Search](#)

