

# Enhance indoor air quality in your building

Start your clean air plan  
with a two-week audit

No matter what kind of building you're in, you can get an accurate indoor air quality (IAQ) baseline, with practical recommendations to improve your built environment.

Some audits are a snapshot in time. Our IAQ audit service, however, captures data over two weeks to more accurately reflect the air quality at your facility, which is in constant flux alongside changing weather, time and levels of occupancy.

The service includes:

- A way to prioritize issues and opportunities to make the most of available funds
- Engineers' recommendations to potentially improve IAQ and energy efficiency, tailored to your timeline and budget
- Reliable, real-world data to build your business case

## Long-term benefits

While good IAQ is critical to mitigating the risk of airborne viruses like COVID-19 or the flu, researchers have found even more far-reaching benefits:

- Decreased absenteeism due to allergies and asthma <sup>(1,2)</sup>
- Improved cognitive ability <sup>(3,4)</sup>
- Increased employee engagement and productivity <sup>(3)</sup>
- Better academic results for students

In short, the importance of clean air is ongoing for any building with occupants—and we can help you achieve it efficiently and effectively.

## As easy as 1-2-3

The audit has three straightforward phases.

- 1 Plan and deploy.** Your Johnson Controls rep visits to gather information about your facility. Engineers certified in the WELL Building Standard® then determine where to place temporary sensors, and Johnson Controls technicians carry out the comprehensive audit.
- 2 Measure and analyze.** For two weeks, sensors gather critical air quality data. Algorithms are used to analyze the information and produce a report covering comfort, humidity, ventilation, filtration, and volatile organic compound (VOC) levels.
- 3 Recommend.** Our team of WELL AP engineers personalizes your report, recommending improvements in order of priority.

**The result:** You know where best to focus time, effort and resources to improve IAQ.

## Standard audit kit includes

24 IAQ sensors, two particulate matter sensors and three communication gateways, installed at your site by a trained professional.



# A fully comprehensive solution for enhanced equipment performance

IAQ is a multi-market solution applicable to a range of facilities and industries.

The design of your heating, ventilation and air conditioning (HVAC) system, the number of occupants in a space and the way a space is used all affect IAQ.

This diagram shows how IAQ in one room can differ significantly from an area close by, which is why it's important to gather data across the entire facility. Testing over two weeks gives a clearer picture of the factors affecting IAQ and the appropriate solutions.



[Learn more about IAQ audit services](#)



## Get reports for the spaces in your facility

Your IAQ audit includes reports detailing the IAQ in your facility and the data needed to develop a remediation plan tailored to your exact needs.

- Data on critical IAQ factors and trends is gathered throughout the two-week audit
- A condition summary for each space makes it easy to spot areas with poor IAQ, identify root causes and create remediation plans
- Outlier analysis compares areas of interest to air quality in average spaces

## Get recommendation for improvement

Based on the report, our WELL accredited engineers will provide priority recommendation actions to be taken to improve IAQ in your facility. Our engineers will also identify spaces that would benefit from demand control ventilation in order to save energy.

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<sup>1)</sup> The Economic Burden of Asthma in the United States, 2008-2013. Tursynbek Nurmagambetov, Robin Kuwahara, and Paul Garbe.

<sup>2)</sup> Economic impact of workplace productivity losses due to allergic rhinitis compared with select medical conditions in the United States from an employer perspective. Charles E. Lamb, Paul H. Ratner, Clarion E. Johnson, Ambarish J. Ambegaonkar, Ashish V. Joshi, David Day, Najah Sampson, and Benjamin Eng.

<sup>3)</sup> The Lancet COVID-19 Commission Task Force on Safe Work, Safe School, and Safe Travel. Designing infectious disease resilience into school buildings through improvements to ventilation and air cleaning. April 2021.

<sup>4)</sup> Associations of Cognitive Function Scores with Carbon Dioxide, Ventilation, and Volatile Organic Compound Exposures in Office Workers: A Controlled Exposure Study of Green and Conventional Office Environments. Joseph G. Allen, Piers MacNaughton, Usha Satish, Suresh Santanam, Jose Vallarino, and John D. Spengler.

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