

Drive productivity, wellness and savings in your building

Indoor air quality and energy service packages

Vital savings for your organization

Improving a building's indoor air quality (IAQ) can result in real savings. Studies show even a 1% improvement in IAQ can save you a year's utility bill. That's why demand control ventilation (DCV) is vital for your building and people.

Consider a school that is over-ventilated, or an office building that is heavily occupied with poor ventilation. The former is wasting energy, while the latter is contributing to health risks and impacting productivity.

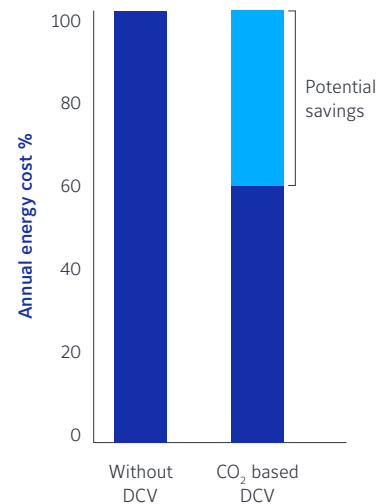
DCV controls ventilation based on carbon dioxide (CO₂) levels. As CO₂ rises or falls in line with occupancy, our DCV solution automatically adjusts ventilation rates, saving energy and improving IAQ.

An expert audit highlights IAQ enhancement opportunities

By providing our DCV solution and an IAQ audit in one package, we can help you create a detailed roadmap that is backed by global thought leaders in IAQ and sustainability.

The data and insights gathered will provide an accurate picture of 'hot spots' and areas for IAQ improvement that will complement your DCV solution.

This will help you maximize return on your IAQ investment, deliver on stakeholder commitments and enhance your bottom line.



Using DCV can lower energy use by 20% to 40%¹

What are the key aspects of an IAQ audit?



Detailed building report

Assess space sizes, usage and the impact of any renovations



Air quality testing

Measure concentrations of gases, particulates and airflow



HVAC systems inspection (optional)

Assess equipment condition and check for proper operation



Ventilation assessment

Check if space and occupancy requirements are being met²

¹ Source: Facility Executive Magazine, April 2017 issue; ² Requirements per ASHRAE 62.1-2016

Take IAQ and DCV to new heights

Install IAQ sensors in line with guidance from the WELL Standard³ and implement high performance sequences as defined by ASHRAE Guideline 36 for maximum energy savings and IAQ benefits.

Metasys IAQ monitoring



Allows users to evaluate data to adjust system settings to fulfill IAQ needs and realize energy savings.



Adds a higher level of IAQ monitoring for particulates and total volatile organic compounds (TVOCs).



Helps identify issues from the outside air, ranging from pollen to vehicle exhaust fumes.



Some conditions may require higher levels of ventilation, operation of zone HEPA filtration or other IAQ intervention measures.



DCV and building flush out strategies enhance IAQ and minimize energy consumption.

IAQ as a service

Our advanced IAQ monitoring with AI-driven analytics allows building owners to provide the balance of the IAQ level and energy spend they desire.



IAQ overlays any existing building automation system.

Features include:



An IAQ score that lets you quickly assess the air quality in your building.



Space utilization measures the presence of occupants in a location and allows ventilation to be adjusted dynamically.



Recommendations for achieving your energy spend and IAQ goals created via AI and experts.



Infection risk score helps identify areas where airborne pathogens may be concentrated.

³ Source: <https://v2.wellcertified.com/en/v2.2/air/feature/8>

[Learn more about IAQ audit services](#)



Use our turnkey solutions to enhance air quality, productivity and wellbeing in your building.

Visit www.johnsoncontrols.com/smart-buildings/healthy-buildings/indoor-air-quality to learn more or get in touch with our team of experts.