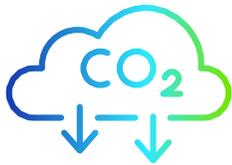Johnson Controls

Open**Blue**
Enterprise Manager

Unlock the performance of your building
Your gateway to net zero and
improving your bottom line

Energy Efficiency & Sustainability

The power behind **your mission**

Track, reduce and control energy use with digital solutions that accelerate your carbon reduction progress

Global trends affecting business

Decarbonization

Demand for net zero solutions has never been greater. Analysts, investors and regulators expect progress toward decarbonization, which puts pressure on you to improve the efficiency of your energy use, water and waste management, and, ultimately, reduce your carbon footprint.

Rising energy costs

Price volatility continues due to increasing demand in tight energy markets. This affects your cost of doing business. Making the most of existing assets and maximizing energy efficiency to manage costs is your best way forward.

Regulatory pressures

Building owners must reduce their carbon footprint, meeting metrics that vary by region, country and building type. Fast-evolving technology is also driving privacy regulations and cybersecurity requirements. Finding ways to stay compliant and satisfy stakeholders will accelerate your progress.

Challenges are opportunities in disguise

Reframe your outlook with Johnson Controls and your sustainability goals become more achievable.

Tracking and reporting data manually takes time. Energy and carbon data collection and reporting is time-consuming, and evolving standards make the task more demanding. However, digital solutions simplify the process, enabling you to measure, track and share progress easily and stay compliant.

Lack of resources hinder savings. Identifying the correct course of action to save money and justify retrofits or repairs without the right skills and expertise is practically impossible. With the right team, you can plan, prioritize and cost upgrades successfully.

Prioritizing maintenance budgets to guide work. Knowing where your facilities management team should invest time and resources depends on available budget and operational priorities. Expert support can help you set clear goals to guide their efforts.

Balancing energy and comfort for compliance. Maintaining a comfortable environment for occupants in line with commercial lease agreements must be top of mind when managing energy use. With the right platform, you can save energy and ensure healthier indoor air.

Your gateway to net zero
Unlocking building performance

Johnson Controls is a global leader in smart, healthy, sustainable buildings. OpenBlue is our blueprint of the future – a complete ecosystem of connected technologies, expertise, services and digital solutions. By reading the live activity of a building, OpenBlue adapts to this information, continuously fine-tuning systems until the building performs optimally.

OpenBlue Enterprise Manager is the gateway to unlock your building's performance and deliver outcomes that matter most: Energy Efficiency & Sustainability; Operational Efficiency & Equipment Performance; Space, Wellbeing & Productivity; and Security, Safety & Compliance.

Leveraging building data to meet your goals

OpenBlue Enterprise Manager gathers and analyzes building data to assess its environmental health and how efficiently building systems are operating. It flags critical issues for action and provides recommendations on how to improve energy efficiency, reduce carbon emissions, optimize space use and equipment performance, and ensure the health and well-being of occupants.

Privacy by design

Privacy plays an essential role in everything we do, especially the data that is produced within the building. We have a privacy by design philosophy, which means our commitment to maintaining our customers' privacy and providing world-class data protection underpins the design of all products and services. Data privacy is embedded into every product we offer.

Identify baseline energy performance and reduce spend

Measure your building's performance by tracking its systems, energy use and rates, greenhouse gas emissions and water consumption. With live dashboards and reporting tools, you can monitor energy performance gaps, pinpoint cost reduction opportunities, identify underperforming systems, calculate operational variances, simulate central plant performance and model savings potential.

Decrease carbon footprint and track net zero goals

Translate energy savings to carbon reduction goals based on localized emissions factors. Having organizational visibility enables you to stay compliant and eases the burden of mandatory sustainability reports as you can share progress and make regulatory and environmental disclosures more easily.

Optimize building performance for cost reductions

OpenBlue enables the optimization of utility and carbon emissions with its award-winning AI and automated predictive control of setpoints, ensuring energy savings and healthier indoor air. You can reduce energy, carbon and utility costs while maximizing utility incentives and measuring and verifying savings to ROI goals. It even eliminates collecting, analyzing and reporting data manually.

Manage energy and carbon performance (Scope 1 and 2) with manual and automated utility bill uploads

Metering of utilities – electric, water, gas, etc.

Normalization of energy data and spend for benchmarking

Save energy and achieve carbon neutrality with OpenBlue Enterprise Manager

Advanced fault detection and diagnostics with monetization to prioritize energy-saving actions

AI-powered advisory to optimize utility costs and carbon emissions

Work order integration for closed loop action

Automated identification of data health issues and gaps

Extensive visualization and reporting of energy KPIs

Savings estimates and project tracking for energy conservation measures (ECMs)

| *Gather data for baseline status* | > | *Analyze operations to improve* | > | *Automate and optimize* |

Drive energy efficiency and sustainability with digital solutions

Whatever your industry, portfolio size or the level of support you need, OpenBlue Enterprise Manager offers you a suite of different solutions to help you deliver your goals.

Net Zero Advisor

Kick-start energy and emissions tracking. Measure, monitor and report your carbon emissions, energy use and utility spend.

- Reduce labor and complexity in aggregating utility data
- Identify baseline energy and emissions performance to spot savings opportunities
- Communicate goal progress for operational, certification and regulatory purposes

Net Zero Advisor Plus

Impactful energy optimization and emissions management. Always on, automated energy management to reach carbon reduction goals and facilitate compliance statements.

- Automated gathering of energy data from multiple providers consolidated in a single dashboard to save time
- Make informed decisions on how to reduce energy consumption and emissions across your building portfolio
- Facilitate accurate and transparent compliance statements and disclosure requirements

Central Utility Plant Optimization

Enhance plant reliability and sustainability with automated real-time operating decisions. Dramatically increase efficiency and drive sustainability by minimizing utility cost and greenhouse gas emissions.

- Planning and predictions – optimize plant designs and manage budget risk
- Utility cost optimization – energy and carbon emissions reduction
- Improved productivity and equipment uptime – improve resiliency and reliability

Accelerate your digital transformation with our professional services

Realize the potential of your chosen digital solutions through OpenBlue Enterprise Manager with services designed to help you meet your energy efficiency and sustainability goals.

Whether you need expert guidance and resources for effective deployment, ongoing technical support, regular insights on your building's performance or tailored proactive and predictive maintenance agreements for equipment optimization, we support you every step of the way.

Reduce your **energy spend** by up to **30%** and your **carbon emissions** by up to **40%** with OpenBlue Enterprise Manager.*

Zero-trust cybersecurity

Leading active security in all our products. Security is designed into all our products – Johnson Controls hardware, software and hosted services. We work with expert partners in government and industry to maintain our customers' compliance with regulations and build their resilience against the increasing number and range of cyber threats.

* These savings were achieved across specific projects we worked on with customers.

Partner with Johnson Controls for optimized building performance

We're leading the building transformation by creating a new class of smart, healthy and sustainable buildings with Johnson Controls OpenBlue. Our award-winning digital platform gathers data from siloed sources to provide a single view and baseline status of your operational technology. It tracks and analyzes operations and gives recommendations to improve performance, and automates commands and work orders so that your building performs optimally.

Award-winning AI

Our award-winning AI is embedded into the OpenBlue Enterprise Manager suite of digital solutions and workflows. The automated predictive control of setpoints enables equipment optimization and the transition to autonomous buildings.

Explore the OpenBlue Enterprise Manager suite for solutions tailored to your outcomes

Energy Efficiency & Sustainability

Your gateway to net zero and improving your bottom line

- Net Zero Advisor
- Net Zero Advisor Plus
- Central Utility Plant Optimization

Space, Wellbeing & Productivity

Drive space efficiency, optimal occupant experience and health

- Workplace Advisor – IAQ
- Workplace Advisor – Space
- Critical Environments Advisor
- FMS:Workplace
- FMS:Employee
- FMS:Visitor
- FMS:Insights

Operational Efficiency & Equipment Performance

Efficient building system optimization

- Equipment Performance Advisor
- Equipment Performance Advisor Plus
- FMS:Workplace

Security, Safety & Compliance

Holistically protect people and property

Unlock the performance of your building with Johnson Controls OpenBlue Enterprise Manager.
Learn more about our Energy Efficiency & Sustainability digital solutions at johnsoncontrols.com

About Johnson Controls

At Johnson Controls (NYSE:JCI), we transform the environments where people live, work, learn and play. As the global leader in smart, healthy and sustainable buildings, our mission is to reimagine the performance of buildings to serve people, places and the planet.

Building on a proud history of nearly 140 years of innovation, we deliver the blueprint of the future for industries such as healthcare, schools, data centers, airports, stadiums, manufacturing and beyond through OpenBlue, our comprehensive digital offering.

Today, with a global team of 100,000 experts in more than 150 countries, Johnson Controls offers the world`s largest portfolio of building technology and software as well as service solutions from some of the most trusted names in the industry.

Visit **johnsoncontrols.com** or follow us **@johnsoncontrols**

The power behind **your mission**