Johnson Controls

OpenBlue
Dynamic Spaces

Support Safe Re-Entry with Contact Tracing, Social Distancing Monitoring, and Occupant Engagement

The power behind **your mission**

OpenBlue Dynamic Spaces

Our solution addresses the COVID-19 challenges of re-entering office spaces, with automated contact tracing and social distancing, and occupant empowerment

Johnson Controls is pleased to announce a new OpenBlue solution that delivers on key outcomes of our Healthy Buildings' offering, enabling customers to leverage technology to safely re-enter and reoccupy the workplace.

The Dynamic Spaces solution will power our customers as they adapt to the "new normal," promoting social distancing culture and wellness in the post-pandemic world. Our solution takes a data-driven and people-focused approach to social distancing, contact tracing, and real time communication. We use location based data to share real time insights with occupants and building operators, with the flexibility to gain further insights on post-COVID-19 energy, efficiency and occupancy targets for spaces and enterprises. Each piece of the Dynamic Spaces solution, from mobile app to power dashboards, offers strong, long-term value after the return-to-work transition yields to the reimagined spaces of the future.

Dynamic Spaces is offered in three packages to support customer investment and goals, and offers additional scaling options to find just the right solution fit.

Dynamic Spaces Solution Packages

Occupant and Flexibility Package

Offers key flexibility, communication, and engagement features targeted to building occupants, admins, and first responders, with no hardware required
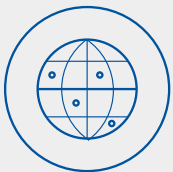
Social Distance Monitoring, Scenario Planning and Automated Tracing

Offers automatic contact tracing, social distancing monitoring, and scenario planning

Automation Combined with Occupant Engagement

Combines the engagement features with the tracing and monitoring features to create a holistic package for occupants and building operators that includes actionable alerts to impact behavior in real time

Occupant and Flexibility Package

Package 1 offers key flexibility, communication, and engagement features targeted to building occupants, administrators, and first responders, with no hardware required. Package 1 focuses on a mobile app and kiosk solution for the practical challenges of changing spaces, schedules, and policies.

Occupant Empowerment

- Use live mapping features to see which spaces are occupied, find a space that meets their amenity needs and spacing comfort levels, and plot a route to avoid unnecessary exposure while they navigate the building

- Book hot desks when they are in the office so they have a safe place to work for the day, along with lockers for secure storage of belongings when using shared spaces

- Avoid swiping badges and reduce exposure to surface risk by using their phone as a badge for frictionless entry

- Review and consent to building procedures and guidelines at entry to the building via a kiosk or at a hot desk checkin

- Request help from first responders, report an incident, and find emergency numbers in the SOS feature if they require aid or if medical support is needed

- Report themselves as sick or seek policy support using the Contact HR button

- Use a customizable URL in the app to access an external health attestation website if daily assessment is needed

- Be reminded of their rotational schedule compliance at entry and at hot desk booking to ensure occupancy does not exceed safe levels

- Request safety supplies such as sanitizer, face masks, or gloves, and report space issues using customized fields in Helpdesk to ensure everyone has access to required items

Admin Empowerment

- Adjust space capacity to support social distancing guidelines

- Mark spaces as unavailable in real time to address concerns or reflect sanitization status

- Create rotational schedules for groups and individuals to support social distancing occupancy targets and changing real estate capacity

- Compare occupancy and utilization to energy use and metering data

Admin and First Responder Enablement

- Leverage the app's News page to communicate new sanitization or safety policies to all occupants, or to targeted areas of the building

- Receive requests for help via text or the app, and respond quickly
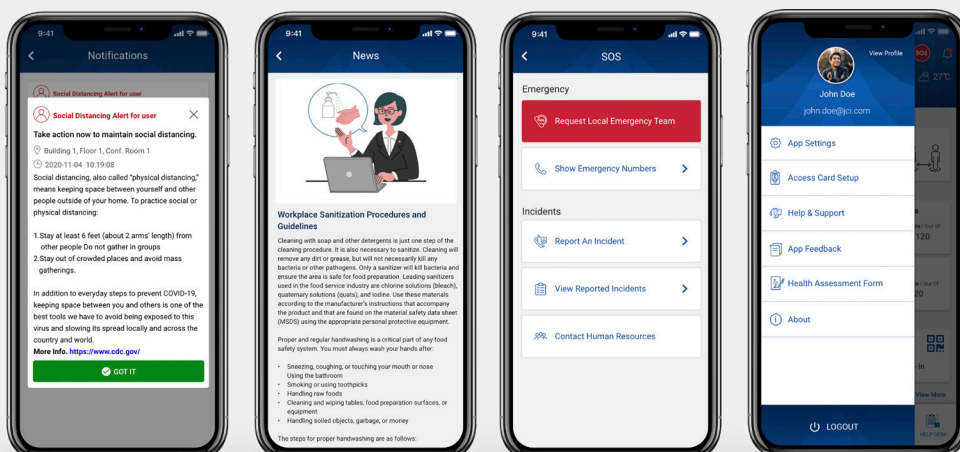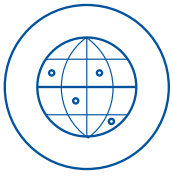
Social Distance Monitoring, Scenario Planning and Automated Tracing Package

Package 2 offers automatic contact tracing, social distancing monitoring, and scenario planning to mitigate the risks of re-entry through data and rich analytics. Reassure occupants that risk mitigation is targeted and build trust as people re-enter their spaces supported by private, powerful location services.

Occupant Empowerment

- Receive alerts by email or text if they violate social distancing in real time

- Be assured that if a COVID-19 diagnoses occurs, their company has real, dependable data on whether or not they may have been exposed in the workplace

- Trust that safety is top priority at their company

- Have confidence that there is proactive reporting available to highlight areas of over occupancy, congestion and to identify social distancing lapses that may increase the risk of spreading COVID-19

Admin Empowerment

- Monitor social distancing performance throughout the building, with automated alerts delivered by email or text to the relevant people and teams, for example, members of the COVID-19 response team

- Through scenario planning, understand the potential impact of positive cases, and implement mitigation through training and alternative space design

- Learn where congestion occurs in the building, and correct it before risk scenarios occur

- Automate the tracing of positive diagnoses to the specific spaces and people impacted by potential exposure, using custom timing and contact parameters that you can tailor to your risk tolerance, and offering a targeted response that reduces the impact to your mission

Real Estate and Operations Teams Enablement

- Understand the occupancy ebbs and flows by day, week and month, and explore opportunities to smooth spikes in demands and eliminate areas of over utilization

- Understand which teams, groups or functions are using which spaces, and leverage this data to make the most appropriate space and layout decisions based on the needs of those using the spaces and the occupancy count number

- Make informed decisions regarding the space amount, type and layout to best suit the needs of employees, and the business, as they return to work and adjust to the realization of building spaces and places

- Move from a waterfall model of space design/redesign to an agile model that continuously adapts to how the space is used, by making small frequent changes with the solution continuously monitoring the effects of the changes
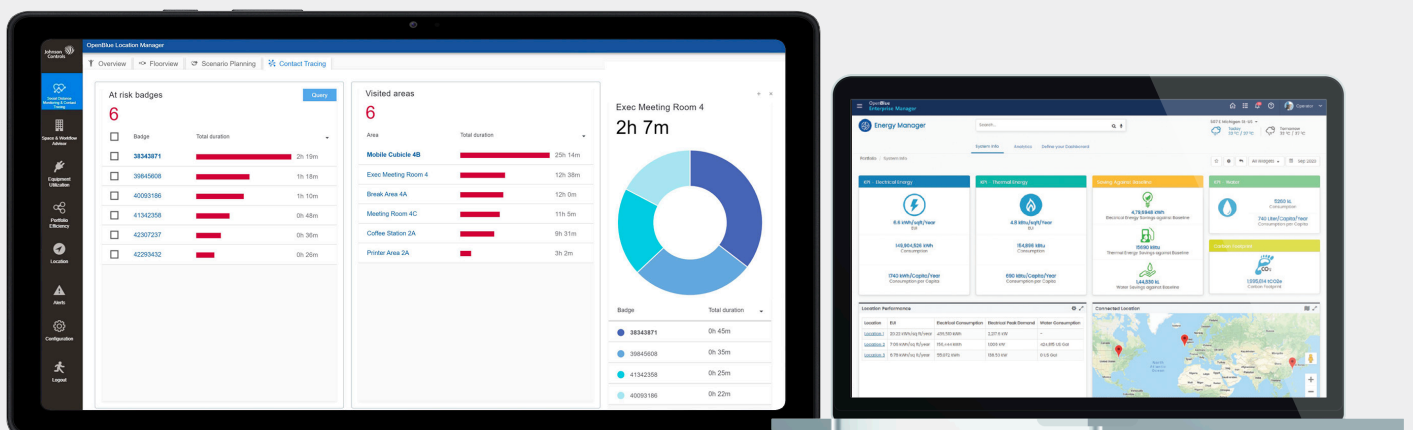
Automation Combined with Occupant Engagement

Package 3 combines the occupant and site flexibility features of Package 1 with the automation features of Package 2 to enable a data-driven, people-led solution to COVID-19 site re-entry. The elements of the solution combine to empower occupants with richer information that can help drive safety-oriented behavior changes.

Companion
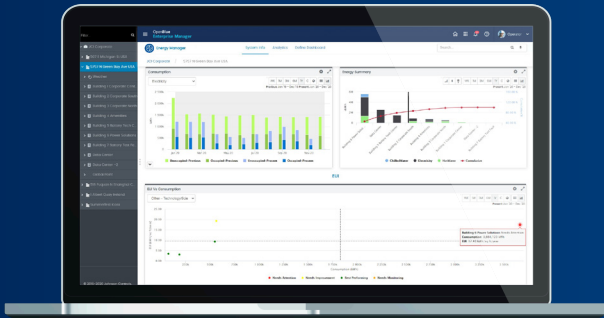### Occupant engagement via mobile app

Occupant facing live space views, behavior feedback and scoring, badging and communication

Location Manager
Contact tracing and social distance monitoring

Bluetooth enabled social distancing management, contact tracing and scenario planning

Optional Package across all Dynamic Spaces solutions

Enterprise Manager

Maximize space performance and occupant experience, streamline work orders through enhanced enterprise-level building intelligence and recuce overall impact of your built environment.

- Monitor, analyze and optimize energy, asset, space, health and occupant comfort parameters

- Improve ESG scores and enable the right balance among competing priorities

Optional Package for Location Manager

Space and Workflow Advisor

This optional package can be purchased as part of Package 2 or 3 and may be added later. No additional hardware is required.

- Space Advisor enables you to understand how teams utilize rooms, spaces and areas by floor, building and campus.

- Workflow Advisor enables you to understand how spaces within the building are used
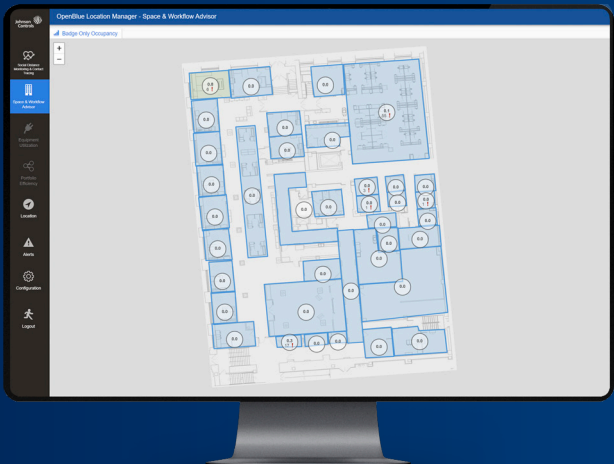
Dynamic Spaces Delivers Value with Key Products

Dynamic Spaces delivers on key Helathy Buildings outcomes with the Companion mobile application for occupant engagement, and Contact Tracing and Social Distancing for automated location services. Location data is gathered using HID Bluetooth badges and transceivers.

Add Enterprise Manager to any package for additional reporting, insights, and to truly understand occupancy, utilization, and energy use in the new normal. Each of these products will continue to provide value and flexibility as policies and use of space evolve, with long-term application to everyday, modern work experiences.

Other Dynamic Spaces Scaling Options

The Dynamic Spaces solution can be scaled in other ways to meet customer outcomes and budget:

- Density, positioning, and type of Bluetooth badge can be varied to meet the necessary tracing and distancing precision, and different space types.

- In spaces where mobile devices are not used, such as manufacturing environments, social distancing and contact tracing can be used alone.
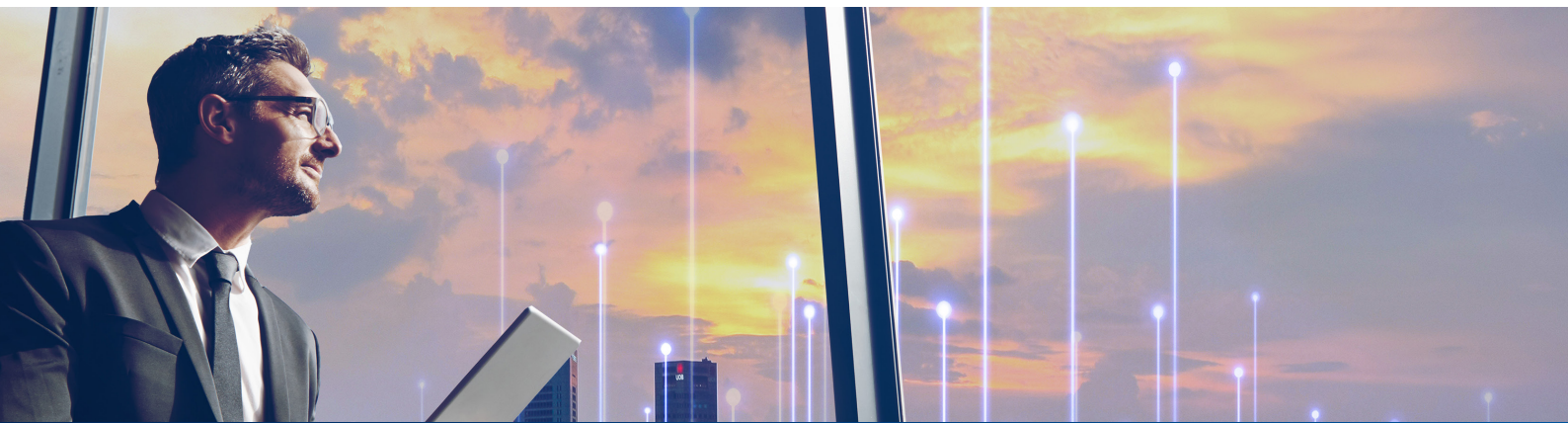
Continue your digital transformation with OpenBlue

Designed with safety at its core, OpenBlue enables customers to access secure by design solutions that are developed with robust design protocols for security and privacy processes. Our portfolio of energy-saving and building optimization solutions uncover opportunities for improved building performance. OpenBlue provides connected experiences to increase productivity, optimize processes, and ultimately provide higher tenant satisfaction with solutions such as easy-to-use smartphone applications that empower people to personalize their building experience and handle all kinds of day-to-day building-related issues. OpenBlue also includes a comprehensive collection of COVID-19 solutions for clean air, touchless environments, contact tracing, and improved security with thermal cameras.

Transform your Enterprise

Augment your technology investments

Enterprise Manager leverages a variety of edge and cloud based connectors from OpenBlue Bridge, to integrate with existing building systems and cloud data sources.

Future-proof your building

Build on OpenBlue Twin and APIs to enable a range of connected workflows in Location Manager and external systems of choice.

Onboarding and Professional Services

Customer Success Managers empowered with automated tools for quick onboarding, realization of returns and ongoing assistance.

Open**Blue**

OpenBlue is a complete suite of connected solutions that serves industries from workplaces to schools, hospitals to campuses and more. This platform includes tailored, AI-infused service solutions such as remote diagnostics, predictive maintenance, compliance monitoring, advanced risk assessments and more. A dynamic new space from Johnson Controls, OpenBlue is how buildings come alive.

To read more about OpenBlue Healthy Buildings, visit:

www.johnsoncontrols.com/OpenBlue

About Johnson Controls

At Johnson Controls, we transform the environments where people live, work, learn and play. From optimizing building performance to improving safety and enhancing comfort, we drive the outcomes that matter most. We deliver our promise in industries such as healthcare, education, data centers, and manufacturing. With a global team of over 100,000 experts in more than 150 countries and over 130 years of innovation experience, we are the power behind our customers' mission. Our leading portfolio of building technology and solutions includes some of the most trusted names in the industry, such as Tyco®, YORK®, Metasys®, Ruskin®, Titus®, Frick®, PENN®, Sabroe®, Simplex® and Grinnell®.

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