

Johnson
Controls



Mr. Shrikant Bapat - CEO

JOHNSON CONTROLS

Enhancing the Intelligence of Buildings

Your buildings have a purpose. They are places for people to live or work. Facilities for learning or healing. Venues for entertainment and shopping. Sites for the specialized storage of tangible goods or mission-critical data. Your buildings have a huge variety of functions; they are central to your mission.

This is where Johnson Controls comes in, helping drive the outcomes that matter most. Through a full range of systems and digital solutions, we make your buildings smarter. A smarter building is safer, more comfortable, more efficient, and, ultimately, more sustainable. Most important, smarter buildings let you focus more intensely on your unique mission. Better for your people. Better for your bottom line. Better for the planet.

Today, we offer the world's largest portfolio of building products, technologies, software, and services; we put that portfolio to work to transform the environments where people live, work, learn and play.

WHAT ARE CORE VALUES OF JOHNSON CONTROLS INDIA LTD ?

- Integrity First - We promise honesty and transparency. We uphold the highest standards of integrity and honor the commitments we make.
- Purpose Led - We believe in doing well by doing good and hold ourselves accountable to make the world a better place through



the solutions we provide, our engagement in society, the way we do business, and our commitment to protect people and the environment.

- Customer Driven - We win when our customers win. Our long-term strategic relationships provide unique insights and the ability to deliver exceptional customer experiences and solutions.
- Future Focused - Our culture of innovation and continuous improvement drives us to solve today's challenges while constantly asking what's next.
- One Team - We are one team, dedicated to working collaboratively to create the purposeful solutions that propel the world forward.

HOW IS JOHNSON CONTROLS ADDRESSING THE CHALLENGE OF SAFE WORK SPACES?

Johnson Controls Healthy Buildings solutions help you manage the safe return of people to work. Our technology enables dynamic spaces while powering adoption of the "new normal," promoting health and wellness in this post-pandemic environment.

OpenBlue Dynamic Spaces takes a data-driven, people-focused approach to social distancing, contact tracing, and real-time communication. We use location-based data to share insights with building operators and occupants, giving you the flexibility to further integrate your building and locations with our enterprise smart

building platform.

Dynamic Spaces solution addresses COVID-19 challenges of re-entering office spaces:

- Social Distance Monitoring, Contact Tracing and Alerting
- Occupant Experiences
- Space and Workflow
- Reporting and Insights
- Enterprise Manager
- Clean Air
- Face Mask Detection
- Frictionless Access

WHAT IS OPENBLUE SOLUTIONS BY JOHNSON CONTROLS?

OpenBlue is a complete suite of connected solutions that delivers impactful sustainability, new healthy occupant experiences, and respectful safety and security that combines our 135 years of building expertise with cutting-edge technology.

It also features a suite of tailored, AI-powered service solutions such as remote diagnostics, predictive maintenance, compliance monitoring, advanced risk assessments, and more.

OpenBlue serves many different industries: workplaces, hospitals, schools, campuses, stadiums, enterprises, and more. OpenBlue creates value for our customers, from helping patients heal faster to ensuring students re-enter schools with better peace of mind, and from fans experiencing stadiums in a new personalized way to laboratories making major scientific breakthroughs.

WHAT IS JOHNSON CONTROLS GOALS TOWARDS FUTURE OF SUSTAINABILITY?

As the global leader for smart, healthy and sustainable buildings, we have set ambitious environmental, social and governance (ESG) commitments and science-based targets including:

- Reduce Johnson Controls' operational emissions by 55

percent and reduce customers' emissions by 16 percent before 2030

- Achieve net zero Scope 1 and 2 carbon emissions before 2040, in line with the United Nations Framework Convention on Climate Change Race to Zero and Business Ambition for 1.5°C criteria

Sustainability is an integral part of our vision and values. We are the world's 100 most sustainable corporations in 2022 Global 100 ranking by Corporate Knights. It is the eighth time we receive this honor, and this year we jumped to 12th position from 38th last year.

Meet your net zero carbon and renewable energy goals, increase building performance and reduce cost.

At Johnson Controls, we're perfectly placed to talk you through trends, policy changes and compliance requirements, and to give you a roadmap so you can best take advantage of the path ahead. We partner with our customers to develop the best next step to achieve your net zero and renewable energy goals. We support their commitments, performance goals, and reporting requirements. Utilizing turnkey access to benchmarks, road mapping, designing, financing, building, operating, maintaining and retrofitting, across the full spectrum and lifecycle of building solutions & services. Giving you peace of mind with experienced delivery to minimize business disruption. We can operate seamlessly with your existing partners. We integrate onsite renewable energy, upgrade systems to improve efficiency, engineer more sustainable operations, improve air quality & reduce emissions, improve water infrastructure, add grid interactive capabilities and more.

WHAT ARE THE PLANS FOR THE FUTURE IN TERMS OF EXPANSION AND GROWTH?

Established in 1995, we currently operate from 15+ Branches, 4 Technology Centers, 3 Manufacturing Sites and cover 350+ cities Nationwide. We offer the largest portfolio of smart building products, technologies, software and services.

- Building Automation and Controls
- HVAC Equipment
- Fire Suppression
- Fire Detection
- Security
- Digital Solutions
- Services
- Products
- Software
- Consultations
- Solution designs
- Installations
- Services
- System integrations

Our latest addition is the new manufacturing plant in Pune which will produce smart, sustainable and market-leading chillers from YORK®. This AHRI Certified facility is spread over 10000 m2 is equipped to support production and testing of water-cooled screw, centrifugal and air-cooled screw chiller packages.

Johnson Controls India also offers smart connected chiller service with which you could predict when a chiller will go down, or when it's running at less than peak performance that results in unexpected expenses.

Net Zero Building is another major offering from Johnson Controls which is a proven path to hit decarbonization and renewable energy goals while optimizing your building's performance. Our 'As a Service' model gives customers guaranteed outcomes and risk management models to achieve emission reduction commitments that ultimately lead to healthier

buildings, people, places and the planet.

WHAT IS THE FUTURE IN DIGITAL FOR JOHNSON CONTROLS?

Johnson Controls is setting the industry standard with digital products and services designed for smart buildings. The company is recognized as a leader by Verdantix in its recently published report, "Green Quadrant: IoT Platforms For Smart Buildings 2022".

More and more, building systems are data-enabled and connected to the web. At Johnson Controls, we are partnering with customers to build smart buildings enabled by artificial intelligence and IoT (Internet of Things). OpenBlue helps enterprises put their building data to work, helping facilities managers discover insights, find efficiencies, and create other sources of value, chief among them sustainability.

Johnson Controls collaborated with CBRE and Standard Chartered Bank to implement its OpenBlue Enterprise Management (OBEM) system – a cloud-based solution that identifies and resolves energy and operational inefficiencies. The successful pilot saw 7% annual energy savings and won the International Facility Management

Association Award of Excellence in 2020. To date, OBEM has been installed in more than 20 of the Bank's office sites and will eventually cover more than 90 buildings across Asia Pacific, including China, India, Malaysia, Republic of South Korea, Singapore and Thailand. This digitalization effort establishes a strong foundation for sustainability management for Standard Chartered Bank, which is committing to net-zero carbon emissions from its own operations by 2030.

WHAT ARE SOME OF THE KEY GOALS MR. SHRIKANT BAPAT AND JOHNSON CONTROLS INDIA LTD HAVE ACHIEVED SINCE THEY'VE BEEN THERE?

Johnson Controls India had been supporting our customers with remote capability during the pandemic times with our Smart Connected solutions. Connected smart equipment and devices have changed the way we maintain our critical facility assets. Big data and cloud analytics create actionable intelligence by providing greater visibility on operational trends and system performance. Using data and insights to develop the right

maintenance strategy can help reduce energy consumption, extend asset life, and increase uptime.

We have also been providing retrofit solutions extensively for our customers which includes well known banks and hotels which has benefited with 45% improvement in the system efficiency and a 42% reduction in energy consumption.

Johnson Controls is associated with chapters of India Green building Council, CII, ISHRAE to name a few with whom we have long association and have been collectively working to enhance the future of buildings in India. We have been sponsoring Performance Challenge Awards for the third year in row, for us at Johnson Controls this is an extension of our vision of making this world smarter, safer and sustainable. Johnson Controls OpenBlue Net Zero Buildings is a proven path to hit decarbonization and renewable energy goals while optimizing building performance. At the heart of our vision for a healthy world is a healthy building. OpenBlue Healthy Buildings supports dynamic smart facilities with connected solutions for healthy people, healthy places, and a healthy planet.

