

Powering the Data Centers of the Future





Delivering on the Promise of Smarter, Safer and More Resilient Data Centers

In mission-critical environments, we know that reliable products and responsive service are everything. We recognize it isn't an option for your equipment to perform below expectations or for your security to be anything short of cutting edge. We take your mission seriously by developing the building technology standards that can be found in some of the most demanding data centers and numerous other types of critical facilities across the world.

Johnson Controls Arabia has a unique, comprehensive portfolio with integrated solutions that help reduce and prevent data center downtime, improving the security of data and equipment, and protecting the environment.

End-to-end capabilities

We partner with you across your facility's lifecycle – design, build, maintain, manage, retrofit and replace.

Depth of experience

We are world leaders in building technology and solutions, bringing to every project, big and small, proven expertise earned.

Global footprint

We deliver local service and solutions to meet your goals in over 150 countries around the world.

Partnering for success

We amplify our own capabilities by partnering with other technology leaders to seamlessly deliver world-class solutions for your business and industry.

Technology innovation

We push digital technology forward every day, delivering innovations that deliver optimal building performance.

Impactful sustainability

We take sustainability seriously. We run our own operations sustainably and we make sure you have the products and services that ensure you can too.



Ready to work with us?

Johnson Controls Arabia has a vast network around the world – including Saudi Arabia. Our representatives serve our customers every day with dedication and commitment. Contact us at www.jcarabia.com



Providing top tier efficiency without risking resiliency

Data centers require so much energy that a consistent focus on the highest efficiency cooling equipment is vital. But that isn't all. You need to know that the equipment won't fail or work below its target efficiency levels. That's why we not only offer the most efficient equipment on the planet, but we also offer the service contracts and technology that predictively tracks the equipment so you know its status all the time, with a simple interface and clear insights. From Vibration Analysis Evaluation to Smart Connected Chillers to Enterprise Management, you can monitor, track, report, predict and act on all of the data coming from your equipment.

Building with speed and standardization

The sooner you can build your data center, the sooner you can begin earning revenue. That's why we work with you to design via standardized process, in-flight equipment testing, and on-site support. If getting your data center out of the ground and into operation is your top priority and mission, we can help make that happen with our speed and deep experience.

Securing your data center with specialized security products

The unique needs of data centers include extreme security solutions that take into account access control, video, intrusion, insider threat and of course, cyber security. Not only do you need security measures against physical threats, you need confidence that the products you install are tested, secure and compliant. Data breaches from installed products that could allow for cyber access cannot be considered, yet you need the highest performing products available. Let Johnson Controls show you our cyber security protocols as well as the products that lead the industry in all critical metrics.

Avoiding hidden dangers

When it comes to data centers, you want to stay one step ahead of any dangers or risks. You need a partner that is identifying and anticipating those risks for you. When we identified that our traditional fire suppression nozzles could potentially cause disk damage, we invented our "acoustic" nozzle which neutralizes that risk. Johnson Controls Arabia know what it takes to build successful data centers – and successful partnerships.

Customized Solutions for Your Needs



Improving Sustainability

Data center operators realize the energy burden they add to the grid. Those focused on pushing for sustainable measures reap the benefits of cutting edge cooling technology with the highest efficiency ratings. Johnson Controls has consistently pushed the bounds of efficiency to make sure we are delivering the most efficient and most sustainable solutions available on the planet.

30%
savings

Magnetic bearings in our chiller compressors and our integrated water-side economizer in our air-cooled screw chillers save up to 30% on energy costs, while our YVFA chiller offers free cooling.

**Motor
efficiency class
> IE4**

Our Air Handling Units are equipped with EC motor surpassing efficiency class IE4, magnets with no rare earths, maintenance-free ball bearings with long-term lubrication, theoretical nominal service life of at least 40,000 hours of operation.

80%
savings

Our award winning BlueStream™ hybrid cooling system combines air-cooled and water-cooled heat rejection systems with advanced controls, reducing water usage by up to 80% while optimizing energy use.

**1
interface**

Smart Connected Chillers and Enterprise Management create a proactive and predictive environment. Monitor and manage data, equipment, and systems from a single pane of glass. Easily track KPIs, and significantly enhance your ability to harness the power of AI and machine learning to forecast.



Data Center Eco-Sustainability Award from Data Center Dynamics

Data Center Eco-Sustainability Award from Data Center Dynamics recognizes innovative and pioneering approaches to sustainability through the design or major retrofit of a data center. Johnson Controls partnered with the United States National Renewable Energy Laboratory (NREL) where the Johnson Controls BlueStreamcooling system helps enable the most energy efficient data center in the world while cutting cooling water usage in half.



Sustainability Product of the Year

Unlike other AHUs on the market, the YORK® Mission Critical Direct Evaporative Cooling Air Handling Units were designed with the flexibility to meet phased data center expansion strategies by offering lighter and compact sized units for a reduced physical and environmental footprint. Additionally, these units adjust cooling levels based on changing variables such as time, temperature and weather, enabling data centers to use only what they need and cut excess power and water usage. The unit was recognized by The Business Intelligence Group.

Johnson Controls Arabia Regional Presence Fostering Growth

A Saudi Company operating in KSA, Egypt, Lebanon, Bahrain and Yemen

1st ESCO

To Classify as Energy Service Co.

1.5m+ ton

Of HVAC Installed Base, the Largest in the MENA Region

1.3m+ BMS

Data Points, One of the Top Two Players in KSA

New Innovation

Center for Data Enabled Services to Be Established in late 2022

15 Brands Building

Automation
Controls
HVAC
Security & fire systems
Industrial Refrigeration
Marine & Navy

Community Service

Provides thousands of Training hours to Saudi youth and donated millions worth of equipment to technical colleges

2.400+

Employees Serving in Saudi Arabia, Egypt, Yemen & Lebanon

Largest Multinational

HVAC and Controls Co. in Saudi Arabia with %18 Market Share

Largest HVAC

Installed base in the Kingdom

Largest Aftermarket

Service company in the region with 1,500 technicians and engineers

Exported 30%

Of its Production to 20+ countries since 2001

1st in Saudi

To achieve all 4 ISO Customer Management Certifications



Open Blue Opportunities

Create an Integrated, Resilient and Efficient Data Center Delivering Consistent Availability and Speed.

Building Management

- Building automation system
- Enterprise management & space performance
- Occupant and visitor app
- AI-powered personal concierge service
- Central plant optimization
- Hyper-converged infrastructure
- Data analytics platform
- Smart connected chillers
- Building, security and energy management
- Care communications

Fire Detection

- Incident management
- Voice alarm
- Fire evacuation
- Fire/smoke detection
- Emergency lighting
- Digital addressable fire panel
- Gas detection
- Shot detection

Controls

- Actuators & valves
- Sensors & thermostats
- Commercial refrigeration controls
- Specialty & critical environment controls
- Industrial refrigeration controls

Security

- Advanced video analysis
- Integrated operations center (PSIM)
- Digital CCTV surveillance
- Cyber security
- Access controls (doors, gates, elevators)
- Perimeter protection
- Intruder detection
- People counting
- Handheld access control
- Converged security
- Queue monitoring
- False alarm reduction
- Insider threat security
- Standard operating procedure management
- Public address, evacuation systems
- Alarm monitoring

HVAC & R

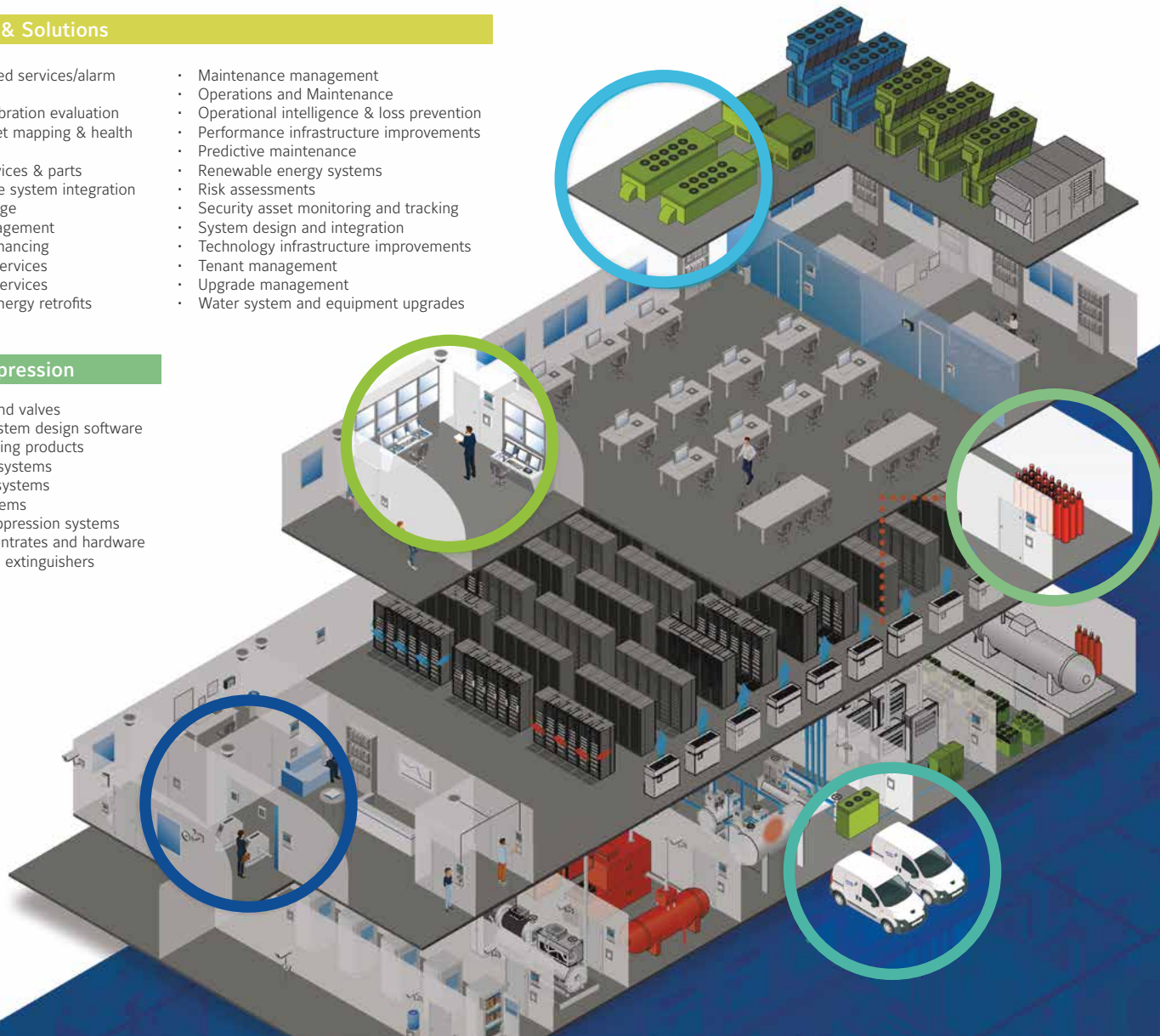
- Air-cooled and water-cooled chillers
- Absorption chillers
- Rooftop units, evaporators, ventilators
- Fans/Exhaust
- Variable refrigerant flow (VRF)
- Chilled beam
- Packaged, split and mini-split ducted systems
- Hybrid cooling systems
- Fan coil (terminal unit)
- Air handling units and coils
- Grills, registers and diffusers
- Heat pumps
- Air flow measuring stations
- VAV boxes
- Industrial refrigeration header
- Hygienic air handlers
- Compressor packages
- Condensers and evaporators
- Low charge ammonia system
- Heat exchangers
- Replacement parts
- Vessels
- Variable speed drives

Services & Solutions

- 24/7 managed services/alarm monitoring
- Advanced vibration evaluation
- Building asset mapping & health monitoring
- Building services & parts
- Building wide system integration
- Energy storage
- Energy management
- Innovative financing
- Installation services
- Integration services
- Lighting & energy retrofits
- Maintenance management
- Operations and Maintenance
- Operational intelligence & loss prevention
- Performance infrastructure improvements
- Predictive maintenance
- Renewable energy systems
- Risk assessments
- Security asset monitoring and tracking
- System design and integration
- Technology infrastructure improvements
- Tenant management
- Upgrade management
- Water system and equipment upgrades

Fire Suppression

- Sprinklers and valves
- Sprinkler system design software
- Grooved piping products
- Water mist systems
- Restaurant systems
- Vehicle systems
- Gaseous suppression systems
- Foam concentrates and hardware
- Portable fire extinguishers





The Largest Team of Aftermarket Support Professionals!



Technical Expertise



Genuine Spare Parts for all Equipment & Technologies



Guaranteed Customer Satisfaction



Optimized Energy Saving and Seasonal Settings



Internal Quality Audits



Priority Service

We Manage and Protect Facilities



Building Management Solutions



Minimize Down Time



Identify Energy Saving Opportunities



Reduce Unplanned Repair Costs



Increase Equipment Lifetime & Performance



Protect the Environment

Industry-leading Support and Maintenance



BMS Operations, Maintenance, and Repair Services

Manage Energy while Maintaining Performance and Comfort



HVAC Operations, Maintenance, and Repair Services

Keep your facilities running in a 24/7 world



Security Maintenance and Support

Tailored protection to meet your needs



Fire Maintenance and Support

Fire and Life-Safety Services



Energy and Efficiency Solutions

Lower Your Energy Costs, Boost Your Bottom Line



Industrial efrigeration Maintenance and Support

Exceptional technology, performance and support

We provide the next generation of smart building technology for these industries:



Smart Buildings



Smart Cities



Data Centers



Healthcare



Airports



**Schools &
Higher Education**



**Sports &
Entertainment**



Industrial

When you partner with Johnson Controls Arabia, we treat your mission as our own. We put our deep expertise, leading technology and world-class products to work for you, never resting until you achieve your goals.

Whether your mission is to heal, teach, create or connect, Johnson Controls Arabia can help you achieve it.

Some of our famous brands

tyco

YORK

METASYS

AUTOCALL

HYGOOD

ANSUL

CHEMGUARD



Contact Our Consultants
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www.shop.york.com.sa



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