



# **SAFETY RESILIENCE AND EFFICIENCY** **AT THE CENTER OF YOUR DATA**

DATA CENTER ENTERPRISE MANAGEMENT SOLUTIONS

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**Honeywell**





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# How do you protect mission critical data center infrastructure?

Infrastructure protection requires investing in sustainability, resiliency, and efficiency.

In the era of intelligent connectivity, the world's most valuable resource is no longer oil – it's data. Making strategic data center infrastructure investments is ultimately a source of differentiation.

## Keep your data center safe, efficient, and resilient.

The escalating demand for data impacts resilience, while increasing power consumption, global emissions, and compliance needs – driving data centers to focus on being safe, resilient and efficient.

But before considering solutions or best practices, it's important to know more about potential challenges and opportunities.





# The good, the bad, and the future of data centers

In today’s digitally connected world, data is produced in vast streams, at an overwhelming volume and pace. Compliance regulations are tougher than ever and severe penalties follow those who disregard them.

Each day brings new and improved security solutions for data centers, so to stay ahead of potential threats, it’s important to be aware of the latest industry trends and challenges.

Sources:  
Uptime Institute, Ten data center industry trends for 2020 ABB review 4|13 Data centers  
[https://library.e.abb.com/public/24b5c823cb525481c1257c400034fd3f/ABB%20Review%204-2013\\_72dpi.pdf](https://library.e.abb.com/public/24b5c823cb525481c1257c400034fd3f/ABB%20Review%204-2013_72dpi.pdf)  
Vertiv Forbes Study



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# Integrated solutions help data centers save time and money

Efficiency, resiliency, and sustainability necessitate integrated solutions spanning across data center infrastructure.

Integrated solutions can be deployed more efficiently, are more agile, and have greater intelligence.

It is therefore not surprising that data centers are adopting integrated systems to optimize productivity, cost savings, and resilience.

Explore different facility sectors and discover the benefits of integrated solutions.





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# Honeywell helps data centers become more safe, resilient, and efficient

Over 100 years ago, we defined energy efficiency by making indoor comfort automatic. Today, we redefine it in millions of buildings around the world. Honeywell develops and delivers technologies that address some of the world's most critical challenges around energy,

safety, security, productivity, and global urbanization. Over 50% of the global data centers rely on our, end-to-end solutions that combine domain knowledge and site experience with modern hardware and software.





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# Our Offerings Portfolio

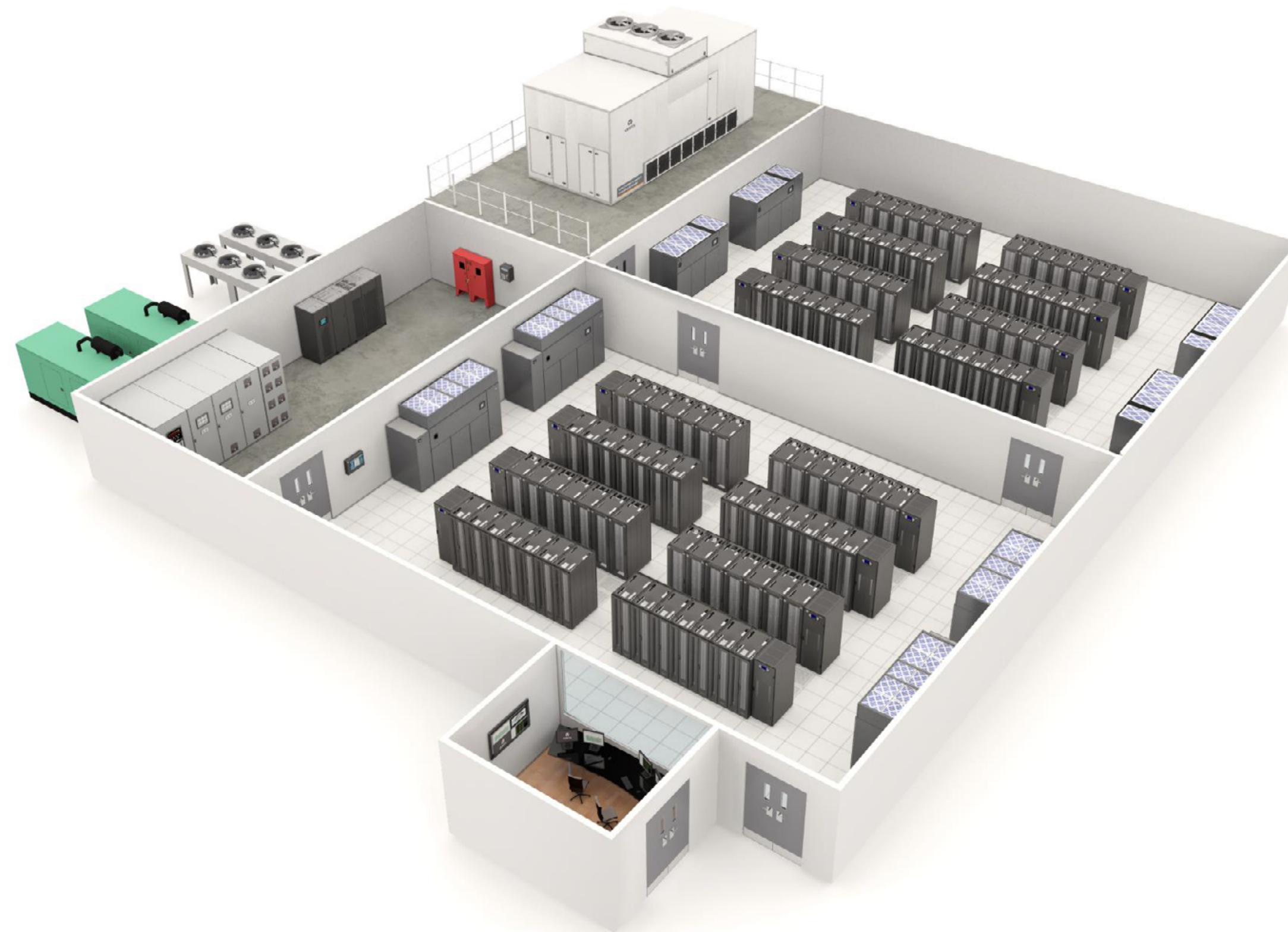
Honeywell develops leading BMS, life safety, security, and sustainability solutions tailored to meet the specific needs of data center operators. Our solutions come together through Honeywell Forge, an enterprise performance management platform that seamlessly integrates with third-party systems – improving operations and mitigating downtime risk.





# End-to-end Solution: Honeywell and Vertiv

Honeywell, a leader in connected buildings, and Vertiv, a global provider of critical data center infrastructure, are working together to deliver integrated data center solutions. Honeywell's building management controls, security and life safety technology paired with Vertiv's critical power and thermal solutions can help you achieve uptime goals, meet sustainability goals, improve cost efficiency, and secure your data centers.







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# Our Differentiation

Honeywell provides an open, end-to-end platform, unmatched execution, reliable service, and performance-based guarantees that ensure that our technologies meet your exact operational needs.





# Key data center outcomes and how to achieve them

Running a data center in today's world is an increasingly complex task. New technology, changing regulations, and new demands have left many companies feeling like they're not keeping up with all the required changes. We take pride in understanding our customers' challenges and developing tailored solutions that empower a safe, resilient, and efficient data center.

**Safe and secure for assets and employees**

**Resilient through uptime and business continuity**

**Operational efficiency and energy management**





# Safe and secure for assets and employees

**Reducing risk in your facilities** includes prevention and the ability to identify and react to critical incidents quickly. Condition-based maintenance helps identify risk of asset failure before it happens. Multi-level security applications ensure that your site has the protection and control needed to minimize downtime and intrusion threats.

**Integrated Asset and Life Safety Protection – BMS, Fire, Security and DVM**

**Situational Awareness and Threat Management**

**Physical Security – Multi-layered Perimeter and Access**

**OT Cybersecurity Assessment and Solutions**

**SPOG (Single Pain of Glass) to Manage Alarms and Critical Incidents**



## USE CASES

Explore different scenarios to see how data centers manage safety and security.



# Resilient through uptime and business continuity

**The cost of downtime** for a data center can be crippling. Honeywell integrated systems provide the ability to identify issues faster – reducing associated risks, while building resilience.

**Critical Incident Early Detection** (Gas, Smoke Water and Battery Detection)

**Energy Resiliency and Reliability** – Backup Power and Distributed Generation

**Integration and Systems Health Monitoring**

**Condition Based Maintenance**

**Disaster Management, Orchestration, and Recovery**



## USE CASES

Explore different scenarios to see how data centers improve resiliency.



# Operational efficiency and energy management

Honeywell has over 100 years of **experience and expertise** in the field of energy and operational efficiency. Our chiller optimization and digitized maintenance offerings help you quickly detect when equipment is malfunctioning or ineffective, enhancing your system's resilience and efficiency.

## **Integrated Critical Power and Cooling Load Management**

### **Thermal Load Management and Optimization**

### **Power & Energy Management Integrated**

### **SPOG (Single Pain of Glass) to Manage Alarms and Critical Incidents**



## **USE CASES**

Explore different scenarios to see how data centers manage efficiency.





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## Keep your data center safe, efficient, and resilient

The Honeywell connected data center offering helps businesses address their most critical outcomes and exceed expectations – providing you the capabilities you need to adapt and expand, optimize uptime and efficiency, and to protect your assets, your people, and your data.

See what your data center can achieve when you have Honeywell solutions working for you.

[Buildings.Honeywell.com](https://Buildings.Honeywell.com)