



E-book

# Experience the Future of Critical Infrastructure

Vertiv™ High Density Showroom





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## The world depends on data we power and cool™

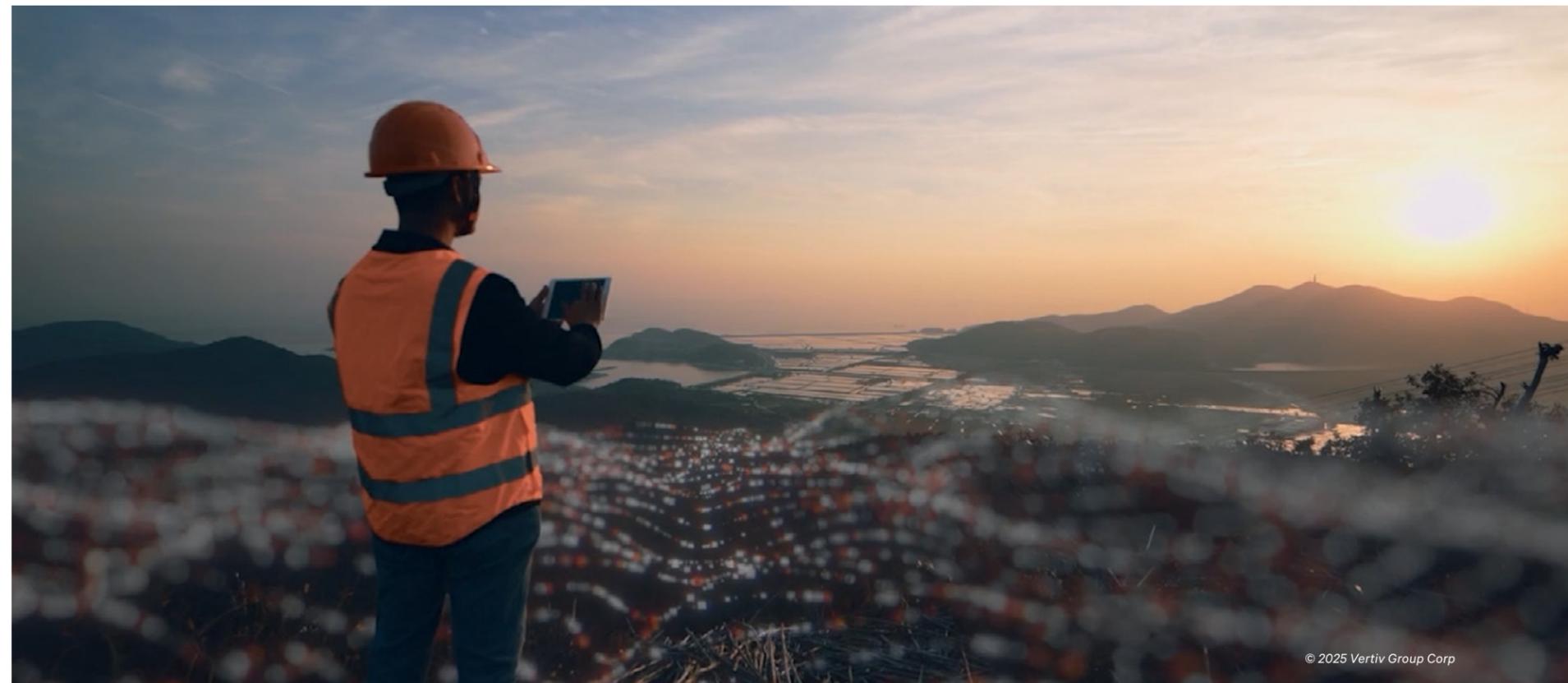
### About Vertiv

#### Powering the World Behind the Screen

In a digital-first world, continuous connectivity is essential. Vertiv is a global leader in critical digital infrastructure and continuity solutions, serving industries where milliseconds matter and downtime is not an option.

Vertiv brings together decades of engineering expertise with a future-focused mindset. We offer end-to-end solutions for power, cooling, monitoring, and IT infrastructure—designed to adapt, evolve, and endure.

Vertiv collaborates with customers and partners to design customized solutions, from increasing energy efficiency in data centers to deploying edge networks at scale. Our global service network supports performance, compliance, and peace of mind long after installation.



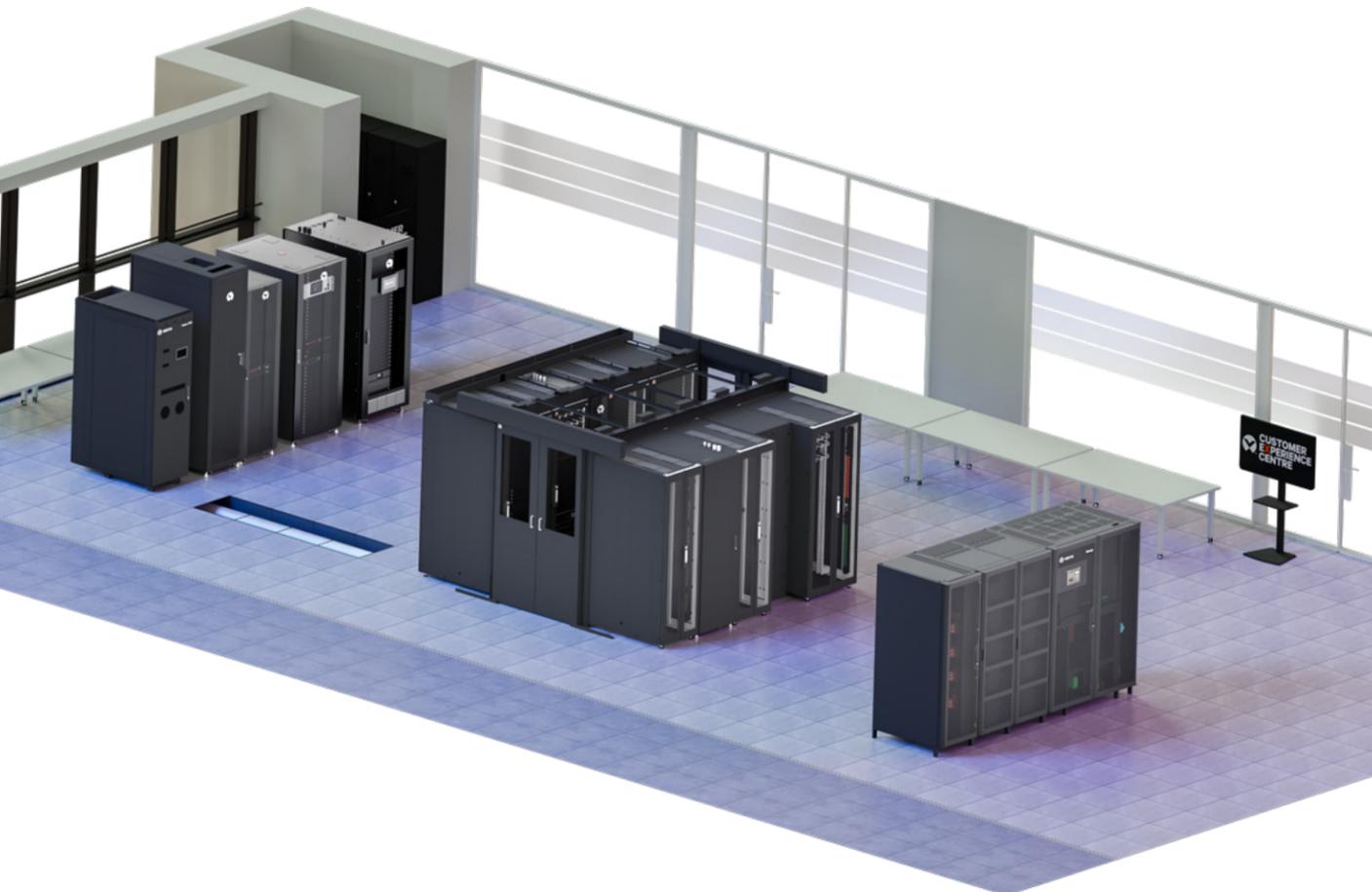


## Discover the cutting-edge solutions shaping tomorrow's digital infrastructure

Welcome to Vertiv's state-of-the-art High Density Showroom located in Bologna, Italy—where innovation meets real-world needs.

More than just a showroom, this is an immersive experience center where you can explore fully operational systems firsthand.

From essential infrastructure to cutting-edge integrated solutions in power and cooling, you'll discover the full breath of Vertiv's technology portfolio. Engage directly with our experts, collaborate on real challenges, and get a glimpse of what's possible today—and what's next for tomorrow.

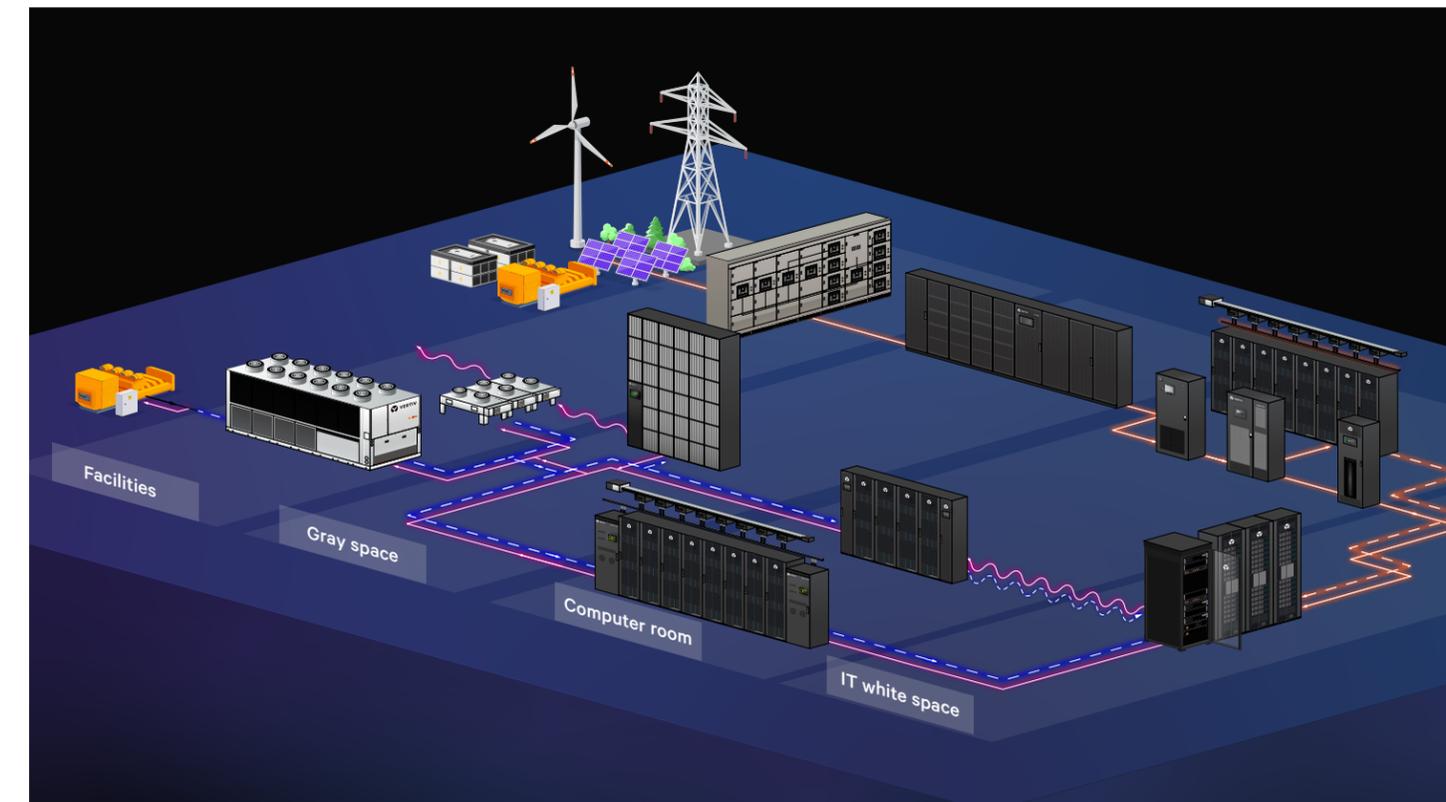
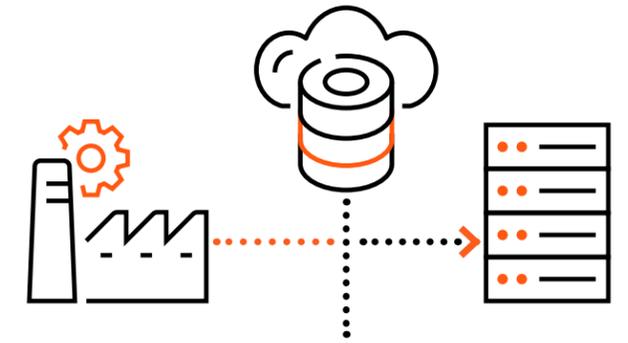


## From Edge to Exascale:

### Powering the Digital World

In today's hyper-connected world, data is generated at an unprecedented pace—from smart factories and IoT devices at the edge, to massive data centers running artificial intelligence (AI) and high-performance computing (HPC) workloads in the cloud.

Behind this seamless flow of information stands Vertiv, a company uniquely positioned to power and protect every step along the data journey.



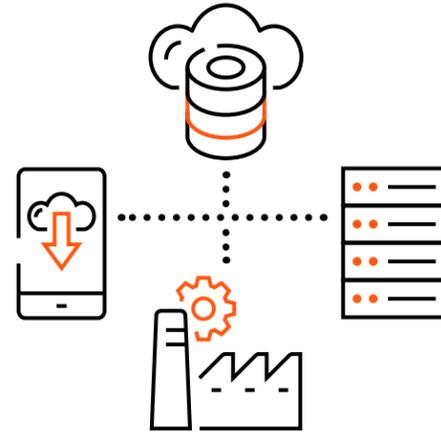
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## From edge to exascale:

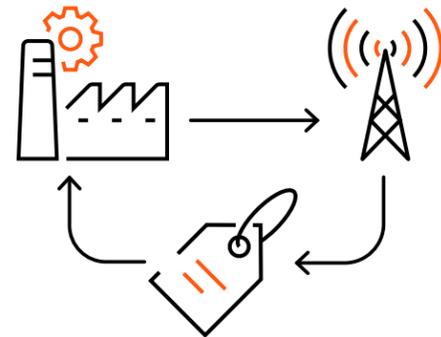
### Powering the digital world

The digital universe is expanding at breakneck speed. From smart factories and IoT. Devices at the edge to massive AI and high-performance computing (HPC) data centers in the cloud. Vertiv is uniquely positioned to power and protect every step of the data journey.



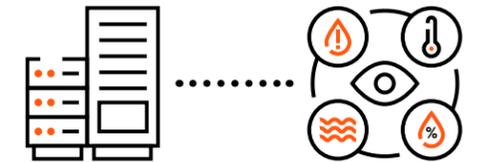
### Edge solutions

Where real-time processing and uptime are critical. Vertiv delivers rugged, scalable infrastructure. Our Vertiv™ Edge solutions combine modular data centers with intelligent management of power and cooling - ensuring mission critical equipment runs smoothly, whether in a factory, cell tower, or retail store.



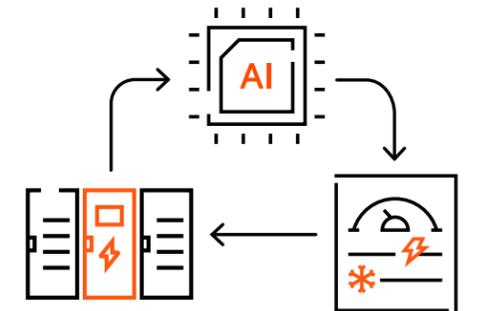
### Data center innovation

As data moves from the edge to centralized facilities, the challenges grow. Vertiv's advanced liquid cooling technologies address rising thermal loads in dense data centers, enabling higher performance hardware to run reliably while dramatically reducing energy consumption.



### AI and HPC Infrastructure

AI and HPC workloads demand enormous compute resources and absolute reliability. Vertiv's scalable UPS, traditional, and liquid cooling systems keep these critical applications to stay online and efficient. Our integrated management platforms empower operators to monitor and optimize clusters in real time, reducing operational complexity and energy use.





## How Vertiv powers the future of computing

In today's hyper-connected world, data is generated at an unprecedented pace - from smart factories and IoT devices at the edge, to massive data centers running artificial intelligence (AI) and high-performance computing (HPC) workloads in the cloud. Behind this seamless flow of information stands Vertiv, a company uniquely positioned to power and protect every step along the data journey.

At the edge, where latency-sensitive applications demand real-time processing, Vertiv delivers rugged, scalable infrastructure designed for harsh environments. Their Edge solutions combine compact, modular data centers with intelligent monitoring and power management—assuring mission-critical equipment runs smoothly whether in a factory, a cell tower, or a retail store. These systems optimize energy efficiency and uptime, keeping the digital pulse alive where data is first created.

As data travels from the edge to larger centralized facilities, the challenges grow exponentially. Vertiv's advanced liquid cooling technologies step in to address rising thermal loads in dense data centers.

By using efficient, direct-to-chip cooling solutions, Vertiv not only dramatically reduces energy consumption but also enables higher performance hardware to run reliably. This innovative cooling approach unlocks new levels of computing power without the penalties of traditional air cooling systems.

In the realm of artificial intelligence, where machine learning models require enormous compute resources, Vertiv's infrastructure solutions provide the backbone for training and inference. Their intelligent power distribution, precise environmental controls, and scalable uninterruptible power supplies (UPS) help AI workloads to stay online and efficient. Vertiv's integrated management platforms enable operators to monitor and optimize AI clusters in real time, reducing operational complexity.

Finally, at the frontier of computing, high-performance computing (HPC) drives breakthroughs in science, weather forecasting, and energy exploration. Vertiv's HPC-optimized data center designs leverage their expertise in power, cooling, and modular infrastructure to support exascale computing.

By integrating liquid cooling, intelligent monitoring, and high-density power delivery, Vertiv helps data centers achieve unparalleled performance while controlling costs and environmental impact.

Together, Vertiv's solutions create a cohesive ecosystem—from the smallest edge nodes to the most powerful HPC installations - keeping data moving securely, efficiently and without interruption. As the digital universe expands, Vertiv stands ready to support the computing demands of today and the innovations of tomorrow.

The new showroom effectively showcases nearly all - if not all - of Vertiv's technologies, including power solutions (from low to high capacity), thermal management (from in-row to on-chip liquid cooling), different types of racks, different types of rack PDUs (low and high density) and power distribution systems, integrated solutions, and monitoring tools.

## The Vertiv High Density showroom:

### Innovation on display

Step inside our High Density showroom and experience the technologies driving the digital era.



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#### Showroom highlights:

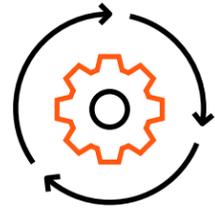
- Edge and remote IT deployments
- Distributed IT & core data rooms
- Enterprise data centers
- High-density & liquid cooling

#### Why Vertiv?

Vertiv's integrated systems approach, AI Factory vision, and evolving portfolio of industry-leading building blocks come together for optimized solutions—delivering reliable, scalable, and efficient systems designed to perform as a unit and accelerate your business outcomes.

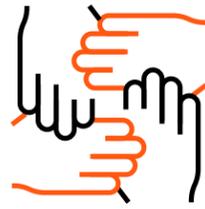


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### Tour core technologies

UPS systems, thermal management (including HPC and liquid cooling), racks, enclosures, monitoring tools, and more.



### Partner collaboration zone

Work with experts on real-world scenarios tailored to your needs.



### Innovation lab

See engineers testing prototypes and showcasing R&D breakthroughs.



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### The Vertiv solutions journey: From core to cutting-edge

Our guided showroom journey walks you through Vertiv's full portfolio. Each step is tailored to real-world scenarios, enabling IT resilience and performance across industries.

Book your exclusive showroom tour today and experience Vertiv Bologna - where ideas become infrastructure.

Learn about industry best practices, experience hands-on training, and discover how Vertiv is reimagining innovation for safer and more efficient power use.

### [Schedule a visit](#)

# Our high density showroom portfolio



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# Racks and containment

In our showroom the customer will be able to see the complete Vertiv racks portfolio, ranking from budget friendly, simple steel enclosures to highly engineered, modular, and integrated systems that support everything from small edge sites to hyperscale data centers — always adapting to the changing demands of IT infrastructure, cooling technologies, and deployment models.



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## Vertiv™ VR rack

Mid tier for distributed IT & core data rooms

### Balancing strength and flexibility

Recognizing the need for a **middle ground** between lightweight modularity and heavy-duty enterprise demands, Vertiv launched the **Vertiv™ VR Series**:

- Full **steel construction** for enhanced strength and stability
- Deeper racks (up to 1200 mm) to accommodate growing server depths
- Zero-U mounting space for cable management and PDU installation
- Better perforated door designs for efficient **front-to-back cooling**
- Rapid global availability for enterprise customers worldwide
- The Vertiv VR series quickly became the **workhorse** rack for many data centers, offering durability and flexibility.



Vertiv™ VR Rack

[Find out more about Vertiv™ VR rack](#)

[Find out more about Vertiv™ VR rack accessories](#)

## Knürr MIR2 Racks – Entry-level for edge and remote IT

### Deployments

As IT environments demanded greater flexibility, lighter weight, and easier customization, Vertiv introduced the **Knürr MIR2** rack series. Used for Edge and remote IT deployments the **Knürr MIR2** offers:

- Combination of **aluminum extrusions and steel** reduced rack weight
- **T-slot modular frame** allowed tool-less mounting and easy accessory attachment
- Improved **airflow with perforated doors** and open side panel options
- Designed for **telecom, labs, mobile setups**, and places needing adaptable racks
- Enabled faster deployment and easier modification on site
- This step marked a shift from rigid, heavy racks to **flexible, modular, and transportable solutions**

Learn more about  
[Knürr MIR2 server rack](#)

Learn more about  
[Knürr MIR2 network rack](#)



Knürr MIR2

## Knürr DCM

With increasing focus on **data center efficiency, containment, and environmental control**, Vertiv developed the **Knürr DCM (Data Center Module)**:

- Engineered for Cold/Hot containment systems
- Superior structural rigidity and precision engineering
- Advanced airflow management tailored for high-density racks
- Tool-less mounting, heavy load capacity, and integrated cable management
- Designed specifically for **modern hyperscale and enterprise data centers** pushing power and cooling limits

Learn more about  
[Knürr DCM server rack](#)

Learn more about  
[Knürr DCM colocation rack](#)



Knürr DCM



# Vertiv™ Integrated solutions

Vertiv's integrated solutions, includes prefabricated rack, row, aisle, and modular data centres, built in flexible designs based on proven configurations. We're here to help you normalize design and harmonize systems across all of your edge sites (locally, regionally and globally) to allow for easier design, implementation, management, and replication.



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## Vertiv™ SmartCabinet™ ID - pre-configured solutions

As IT shifted toward edge computing and remote sites, Vertiv responded aslo with pre-integrated rack solutions like the **Vertiv™ SmartCabinet™ ID**:

- Fully pre-configured racks including **UPS, cooling, power distribution, and monitoring**
- Simplified deployment in remote offices, retail stores, telecom shelters, and micro data centers
- Compact footprint designed for quick installation with minimal onsite expertise
- This reflects Vertiv's response to the **decentralization of IT** and the rise of distributed computing.

**Learn more about**  
[Vertiv™ SmartCabinet™ ID](#)



Vertiv™ SmartCabinet™ ID



## Vertiv™ SmartAisle™ System - The future path

Vertiv continues innovating with the Vertiv™ SmartAisle™ a fully integrated data center infrastructure solution designed to optimize cooling, power, monitoring, and space efficiency by enclosing a row of racks into a contained aisle system — usually the cold aisle.

It's not just containment — it's an intelligent ecosystem of racks, cooling, power, and management working together:

- Cold aisle containment
- Management Cabinet (PMC)
- Precision cooling (Vertiv CRD)
- Floor Mount Power Distribution Unit (Vertiv RXA)
- Rack Power Distribution (Vertiv™ PowerIT Rack Monitored and Switched PDU)
- UPS backup (Vertiv™ APM2)
- Intelligent environmental control
- Security Management (Knürr MLR access control, magnetic locks and video surveillance)

### Learn more about [Vertiv SmartAisle™](#)



Vertiv™ SmartAisle™

## Vertiv™ SmartAisle™ System - Power & management cabinet

In the context of Vertiv SmartAisle from Vertiv, the PMC refers to the Vertiv Power & Management Cabinet. The PMC is a critical component that manages power distribution and control within the smart aisle environment. It helps optimize power delivery to racks and IT equipment, assuring reliable and efficient operation of the infrastructure.

Specifically, the PMC:

- Acts as a centralized power distribution unit, PDB's or BUSWAY to connect to each rack. It supports flexible and scalable power management for the racks in the Vertiv SmartAisle system
- Integrates with monitoring and control technologies to provide comprehensive power management and enhance overall infrastructure efficiency and availability
- Thus, the PMC in a Vertiv SmartAisle solution is the key power management element that supports efficient, scalable, and reliable power delivery to critical IT equipment in a smart, integrated data center environment



Vertiv™ SmartAisle™ System - Power and management cabinet



## Vertiv™ SmartAisle™ System - Vertiv™ Liebert® RDU501

The Vertiv™ Liebert® RDU501 is a rack-mounted gateway for remote monitoring and management of critical IT infrastructure, ideal for Vertiv SmartAisle and edge environments.

Centralized Monitoring – Unifies data from sensors, UPS, cooling, and PDUs in one interface (web or touchscreen).

Reliable Operations – Delivers alerts, logs, and management access to assure system stability.

- **Centralized Control** – Manages power, cooling, and security from one system
- **Stronger Security** – Access control, locks, and video surveillance integration
- **Remote Management** – Mobile and remote access for distributed/edge sites
- **Energy & Space Savings** – Up to 30% efficiency gains and better utilization
- **Sensor Integration** – Modbus, SNMP, dry contacts, and analog inputs for real-time data
- **Analytics Dashboard** – Tracks environment, thermal, power, and security with alarms
- **Compact & Scalable** – 1U rack-mount, integrated into Vertiv SmartAisle for fast deployment
- **Efficient Monitoring** – Improves cooling and power use, boosting energy efficiency by up to 20%
- **In short:** Vertiv Liebert RDU501 is an intelligent gateway for simpler management, stronger security, and scalable, energy-efficient edge data centers



Vertiv™ Liebert® RDU501

Find out more about [Vertiv™ Liebert™ RDU501](#)



Optimizes energy use and PUE, assuring compliance with efficiency standards



Monitors environment with sensors (temperature, humidity, smoke, doors)



Integrates rPDU power monitoring + adaptive cooling (up to 20% more efficient)



Strengthens security with alarms, fire signals, access, video, and shutdown control



Delivers real-time monitoring, higher efficiency, and lower complexity for edge data centers



# Power distribution

Vertiv's power distribution solutions are engineered to deliver safe, efficient, and adaptable power across modern data centers and mission-critical facilities. Whether supporting traditional white spaces or high-density, AI-ready environments, Vertiv offers a complete range of products to meet evolving load and layout demands.

## Core Offerings Include:



### Power Distribution Units (PDUs)

For centralized, configurable power delivery



### Busways

Scalable overhead power architecture with tool-less tap-off units



### Rack PDUs (rPDUs)

Intelligent, space-saving power at the rack level



### Static Transfer Switches (STS)

Instant, seamless source switching for redundancy



### Remote Power Panels (RPPs)

Compact, flexible power distribution with branch circuit monitoring

## Vertiv™ PowerIT Rack PDUs

Vertiv's rack PDUs (rPDUs) go beyond simple power distribution. They are designed to deliver reliable, intelligent, and scalable power right where it's needed - at the rack level. With models ranging from basic to intelligent, metered, monitored, or switched units, Vertiv™ rPDUs support high-density computing environments with:

- Real-time power monitoring at the outlet or branch level
- Remote switching and control of individual outlets for enhanced management
- Environmental monitoring capabilities (e.g., temperature, humidity, leak detection)
- Form factors and outlet configurations tailored for any rack type
- Integration-ready with DCIM platforms and building management systems



### Vertiv™ PowerIT Monitored Rack PDU

[Learn more](#)



### Vertiv™ PowerIT Basic Rack PDU

[Learn more](#)



### Vertiv™ PowerIT Rack Transfer Switch PDU

[Learn more](#)



### Vertiv™ PowerIT Switched Rack PDU

[Learn more](#)



## Vertiv™ PowerIT rPDU for High Density Applications

Vertiv offers a diverse line of high-density rPDUs, tailored to enhance performance and management in high-density environments. The two major types to consider are monitored and switched models.

### Purpose:

Designed for environments with high compute density (e.g., HPC, AI/ML workloads).

### Capacity:

Supports power loads up to 57.6kW.

### Use Case:

Ideal for data centers requiring scalable, high-density power distribution with granular visibility.

[Learn more about Vertiv™ PowerIT rPDU](#)



Vertiv™ PowerIT rPDU



## Vertiv™ PowerGo rPDUs

### Purpose:

Entry-level or essential power distribution.

### Capacity:

Typically lower than Vertiv PowerIT models; specific wattage depends on model.

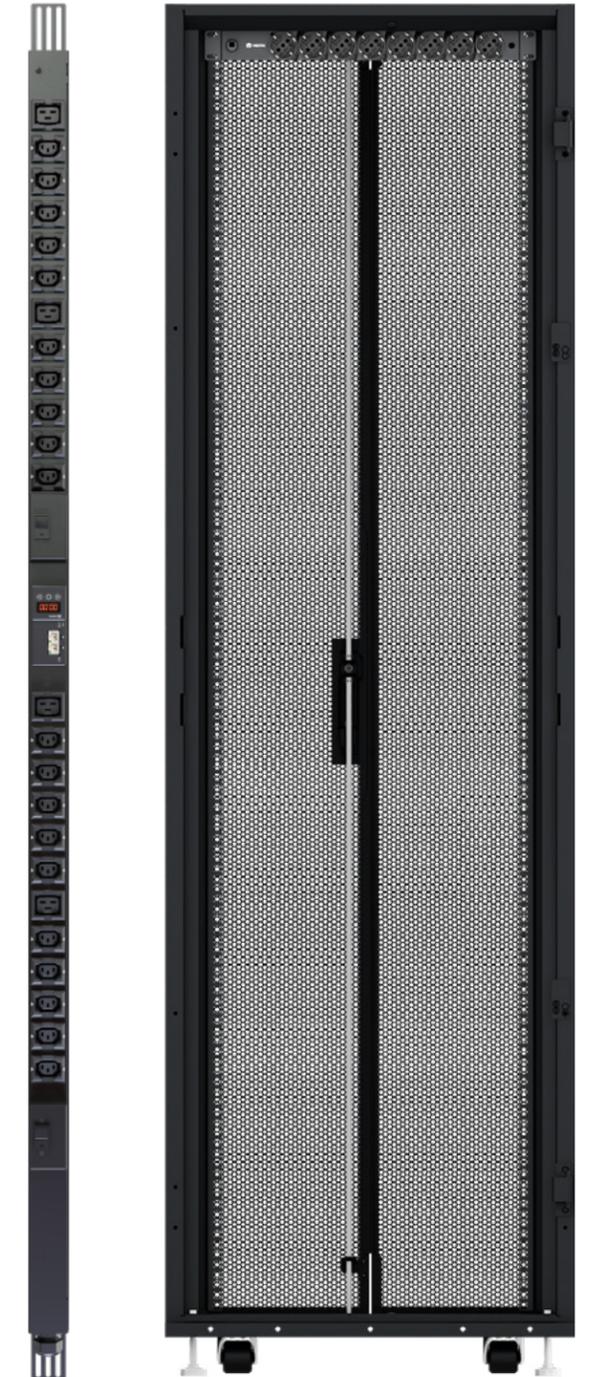
### Features:

- Cost-effective PDUs with essential power monitoring.
- Basic metering and limited remote control.

### Use Case:

Small IT deployments, edge environments, or cost-sensitive installations.

[Learn more about Vertiv™ PowerGo](#)



Vertiv™ PowerGO rPDU



## Vertiv™ RXA

Vertiv™ RXA is a compact, configurable Remote Power Panel (RPP) for high-density data centers, delivering safe and reliable power distribution with full visibility and control.

### Key Features:

- Up to 168 poles in a small footprint
- Flexible overhead/underfloor cabling
- Real-time branch circuit monitoring
- Touchscreen HMI for local control
- Integration with Vertiv™ DCIM and third-party tools
- IEC & UL compliant

### Benefits:

- Maximizes white space
- Smarter load management & planning
- Enhanced safety with breaker status detection
- Reduced downtime risk with alarms and monitoring
- Ideal for hyperscale, colocation, and enterprise data centers

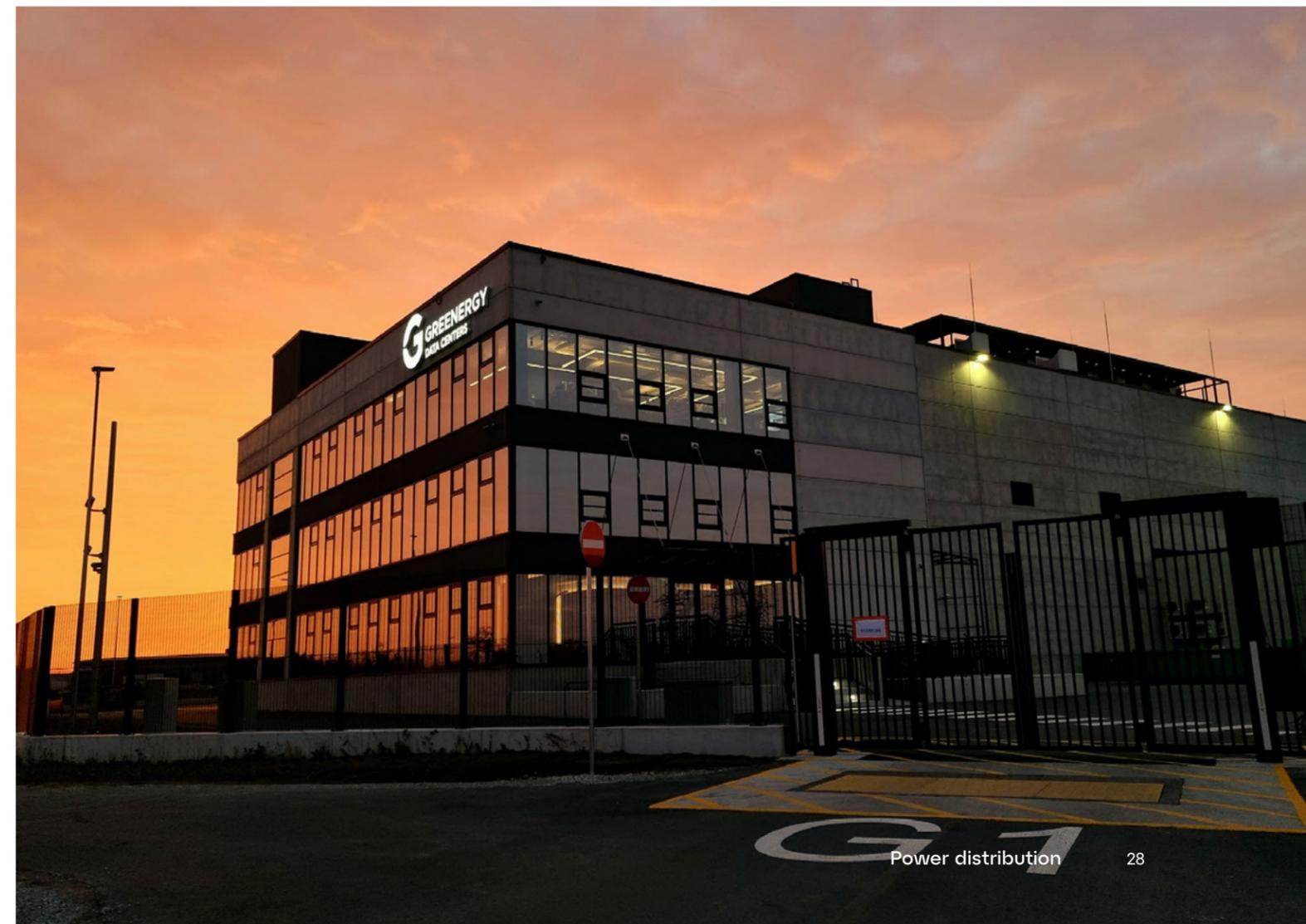
Learn more about [Vertiv™ RXA](#)



## Greenergy and A-Kaabel deploy Vertiv™ rack PDUs for scalable growth in Estonia

Greenergy and A-Kaabel partnered with Vertiv to support the rapid growth of their data center in Estonia, deploying Vertiv™ rack PDUs to deliver reliable, scalable, and energy-efficient power distribution. The solution provided flexibility for future expansion, streamlined monitoring, and improved operational efficiency, enabling the facility to meet increasing customer demand while maintaining high standards of performance.

[Discover the full case study here!](#)

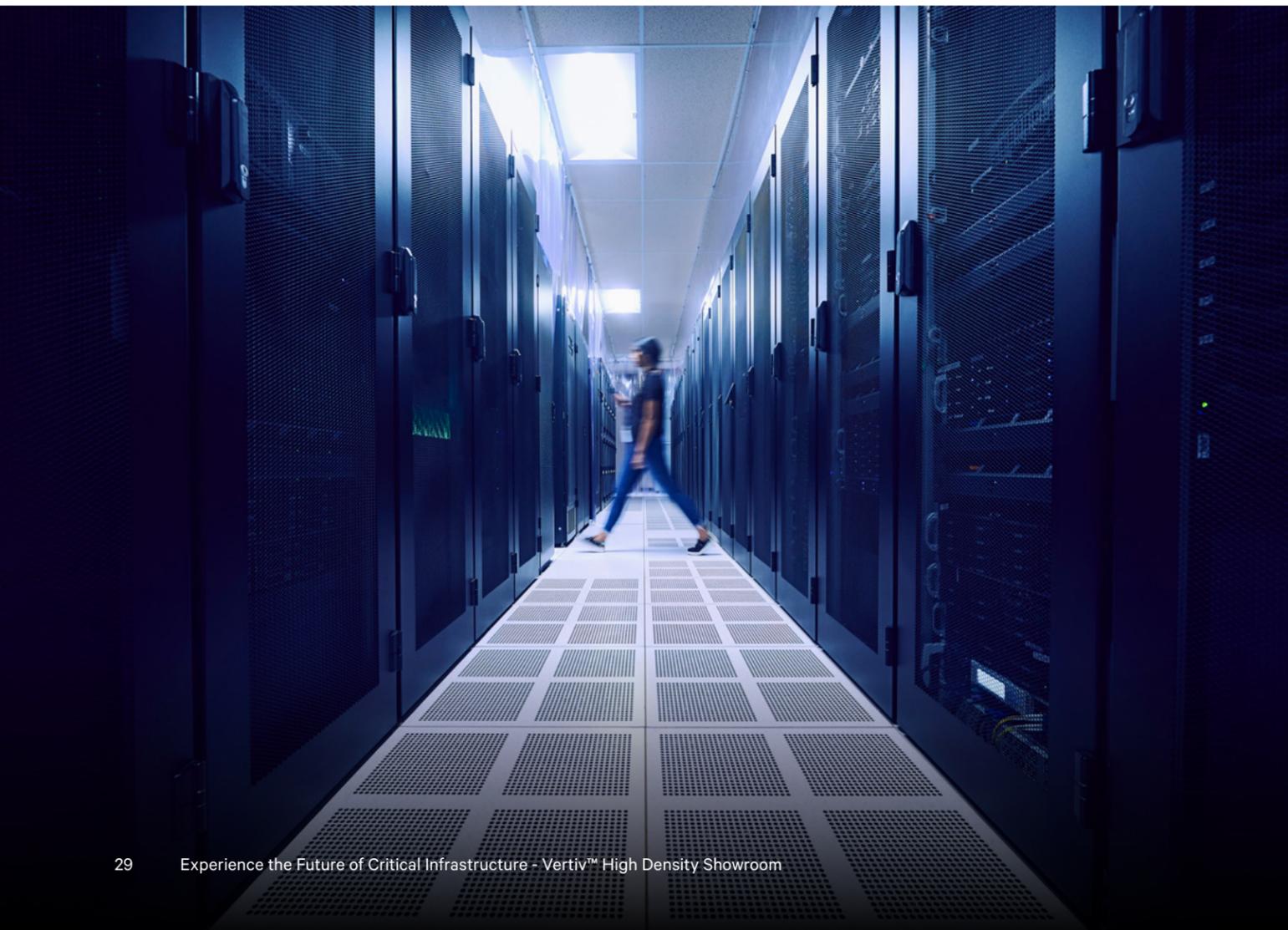




# IT management and software

Vertiv™ Avocent® solutions combine with Vertiv's renowned enterprise class data center products to securely and remotely manage IT devices anywhere in the world. Learn how Vertiv Avocent solutions help IT managers address their biggest challenges.

[Learn more about our Vertiv™ Avocent® solutions](#)



## Vertiv™ Avocent® KVM Solutions

Vertiv Avocent products specialize in IT device management, KVM (Keyboard, Video, Mouse) switching, serial console management, and remote infrastructure control — delivering secure, centralized access to critical systems.

### Purpose:

Centralized control of multiple servers from a single console.

### Types:

- **Local KVMs:** On-site rack-mounted access
- **KVM over IP:** Secure remote access over a network

### Features:

- BIOS-level control
- High-resolution video support (up to 4K)
- Secure encrypted connections

### Use Case:

Data centers, lab environments, remote IT management.

[Learn more about Avocent KVM-over-IP Switches and Vertiv™ Avocent® HMX High Performance KVM](#)



Vertiv™ Avocent® HMX5200T



## Vertiv™ Avocent® Serial Console Servers (ACS Series)

The Vertiv™ Avocent® ACS serial consoles provide in-band and out-of-band serial access to remotely manage IT devices anywhere in the world.

### Purpose:

Secure out-of-band management of serial-connected devices like routers, switches, and firewalls.

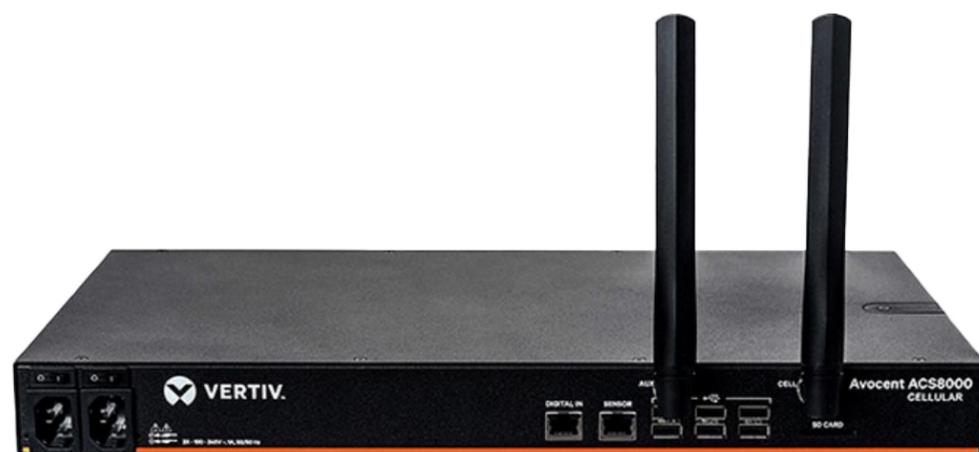
### Features:

- SSH/SSL encryption
- Cellular failover
- Environmental monitoring inputs

### Use Case:

Remote site management, disaster recovery, network troubleshooting.

[Learn more Vertiv™ Avocent® ACS 8000 Serial Consoles](#)



Vertiv™ Avocent® ACS8000

## Vertiv™ Avocent® MergePoint Unity™ Series

### Purpose:

Combines KVM over IP and serial console functionality in one platform.

### Features:

- Centralized BIOS-level access to servers and network devices
- Power control integration with Vertiv™ PDUs
- Virtual media support for remote file transfers

### Use Case:

Enterprise and colocation data centers seeking centralized infrastructure management.

[Learn more about Vertiv™ Avocent® MergePoint Unity™ Digital KVM Switches](#)



Vertiv™ Avocent® MPU108E



## Vertiv™ Avocent® DSView™ Management Software

### Purpose:

Unified management platform for all Vertiv™ Avocent® hardware.

### Capabilities:

- Role-based access control.
- Centralized logging and auditing.
- Integration with existing ITSM or DCIM platforms.

### Use Case:

Enterprise IT teams needing visibility, access, and control across multiple sites and devices.

[Learn more about Vertiv™ Avocent® DSView™ Management Software](#)

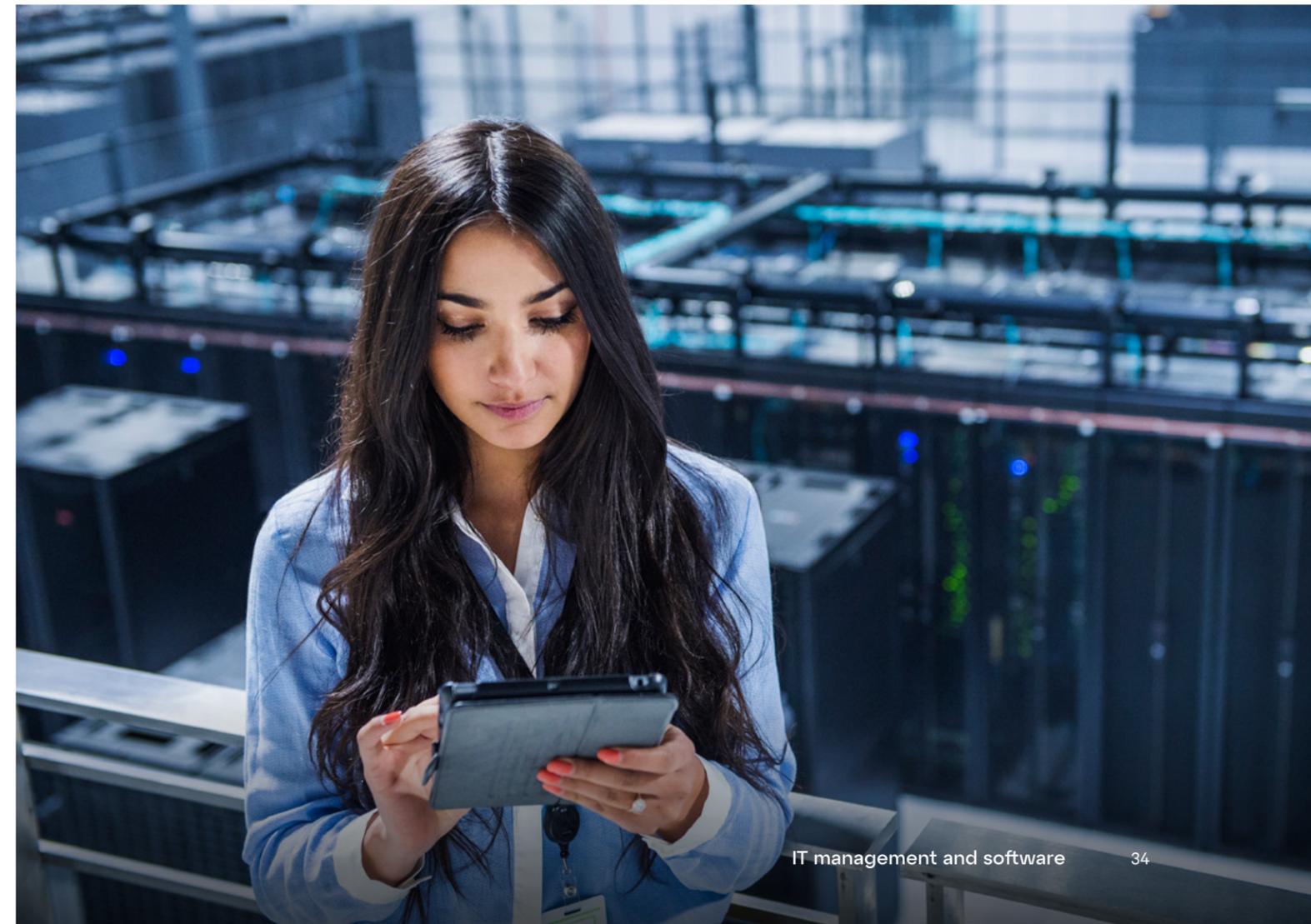


Vertiv™ Avocent® MP1000

## A Deep Dive on the VERTIV™ Avocent® ACS 8000 Advanced Console Server

The Vertiv™ Avocent® ACS 8000 Advanced Console Server provides secure, out-of-band management for critical IT devices with up to 48 ports and cellular failover. With features like zero-touch provisioning and strong security controls, it simplifies operations, maintains business continuity, and supports hybrid, distributed infrastructures.

[Learn more about Vertiv™ Avocent® ACS 8000 Advanced Console Server](#)





# Liquid cooling

As data centers evolve to support AI, HPC, and other compute-intensive workloads, Vertiv Liquid Cooling offers the thermal performance and energy efficiency required for next-generation IT.

Whether it's rear door heat exchangers, direct-to-chip cold plates, or coolant distribution units (CDUs), Vertiv provides a comprehensive, modular portfolio to meet any density and layout requirement.

[Learn more Vertiv™ CoolChip CDU](#)



## Vertiv™ CoolChip CDU070

**Type:**  
Liquid Cooling Distribution Unit (CDU).

**Cooling Capacity:**  
Up to 70 kW.

- Key Features:**
- Compact CDU for rack-level or small-pod liquid cooling deployments
  - Ideal for edge computing, labs, and pilot deployments of direct-to-chip cooling
  - Includes dual-redundant pumps, heat exchanger, filtration, and coolant monitoring

- Flexible deployment:**
- Can be installed close to racks or in-row
  - Supports integration with facility water for heat rejection

**Use Case:**  
Smaller-scale or edge environments needing precision liquid cooling, or initial deployments of liquid-cooled hardware.

[Learn more about Vertiv™ CoolChip CDU070](#)



Vertiv™ CoolChip CDU070



## Vertiv™ CoolChip CDU100

The Vertiv™ CoolChip CDU 100 is an in-rack coolant distribution unit designed to support single-rack direct-to-chip applications. It reduces secondary fluid circuit volume and infrastructure complexity, while enabling 100kW+ of liquid cooling capacity with its high efficiency liquid-to-liquid heat exchanger. With compact footprint, it offers easy, cost-effective liquid cooling deployments in any data center application for high-density processes.



Vertiv™ CoolChip CDU100

### **Liquid cooling services:**

[Why the separation of IT and facilities is becoming increasingly fluid](#)

## Vertiv™ Coolchip CDU600

### **Type:**

Liquid Cooling Distribution Unit (CDU) Cooling

### **Capacity:**

Up to 600 kW

### **Key Features:**

- High-capacity cooling for dense IT loads like AI, HPC, and supercomputing environments.
- Supports direct-to-chip cooling loops for CPUs/GPUs.
- Heat exchanger separates facility water (primary loop) and IT coolant (secondary loop).
- Built-in redundant pumps, sensors, and controls for uptime and safety.
- Touchscreen interface and remote monitoring support.
- Can be deployed in-row or close to rack.

### **Use Case:**

Large-scale data centers with extremely dense workloads, where traditional air cooling is insufficient.

### **Learn more about**

[Vertiv™ Coolchip CDU600](#)



Vertiv™ CoolChip CDU600



# Row-based cooling

When it comes to the temperature at which your critical systems operate, it must not only be within optimum parameters, but also constant and reliable. That is our forward-looking approach to thermal management in data centres, telecom critical infrastructures, and other facilities. And we'll use it to help you improve any in-row cooling solution you're using or set to deploy, whether it is a self-contained data centre cooling unit, or a dry cooler that effectively dissipates the heat from the indoor water-cooled thermal management systems. Let's enable your IT equipment to run at peak performance, in optimal temperatures. Today and tomorrow.



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## Vertiv™ Liebert® CRV

The Vertiv™ Liebert® CRV series comprises row-based cooling units designed to provide efficient thermal management within data center racks. These units are particularly suited for edge computing environments, server rooms, and small data centers where space and energy efficiency are paramount.

### Scalable Cooling Capacity:

Offers cooling from 2 kW up to 10 kW, allowing for precise matching to IT heat loads

### Adjustable Airflow Baffles:

Enhances cold air distribution and aids in eliminating hot spots within the row

### Compact Design:

The 42U units are designed to fit seamlessly between racks, conserving valuable floor space

### Advanced Controls:

Equipped with user-friendly Vertiv™ Liebert® iCOM™ controls and a 7" touchscreen display for intuitive operation

### Remote Monitoring:

Supports system integration through protocols like HTTP, SNMP, Modbus, and BACnet, facilitating remote monitoring and management

### Dual Power Supply:

Supports power redundancy, enhancing system reliability.

### Environmentally Friendly Refrigerant:

Utilizes R410A refrigerant, aligning with climate-conscious goals.

[Learn more about Row-based cooling](#)

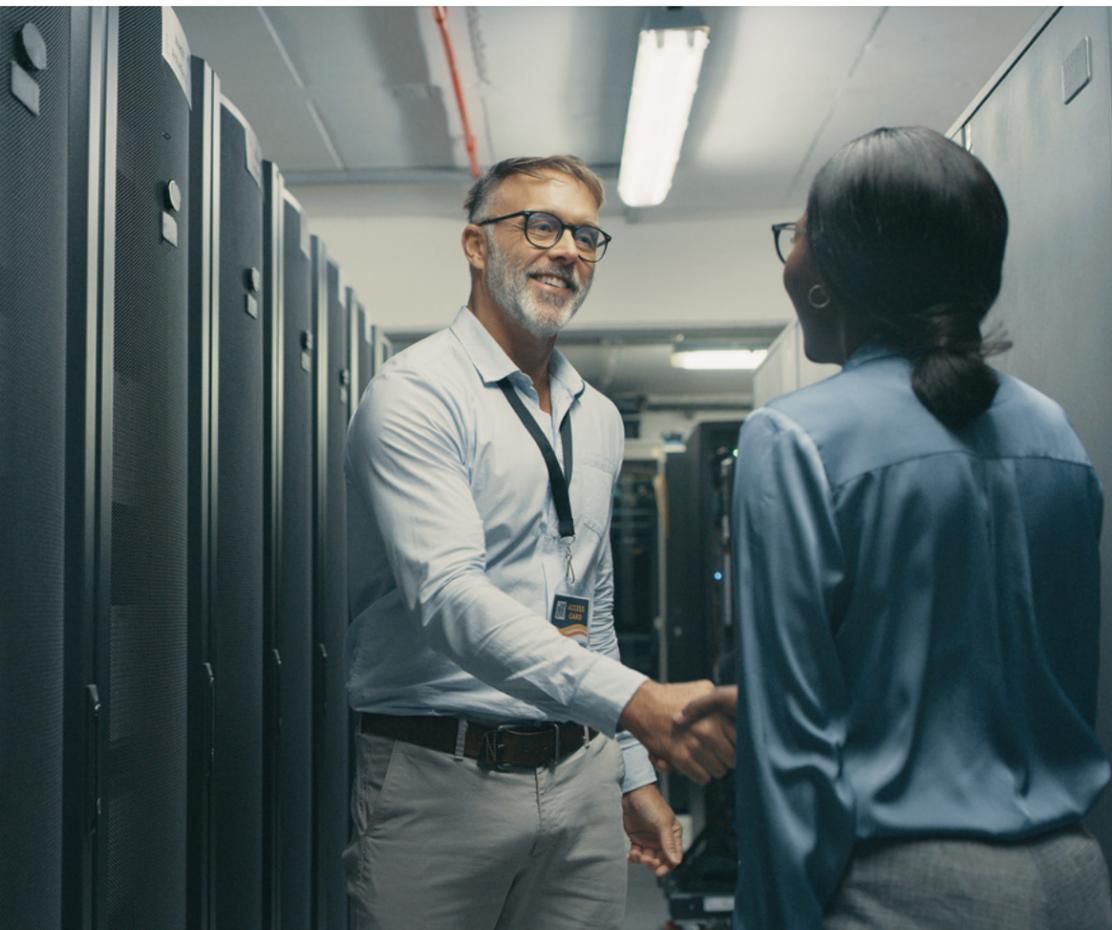


Vertiv™ Liebert® CRV



# UPS

The critical systems that sustain your business operations can't go down. Vertiv supports you in improving your uptime with a full range of innovative uninterruptible power supplies (UPS) and future-ready, integrated UPS systems, that will cover the backup power needs of your IT infrastructure, from small computer rooms at the network edge to enterprise and hyperscale data centres. Discover the best uninterruptible supplies to protect your application.



## Vertiv™ Trineergy™ UPS

The Vertiv™ Trineergy™ UPS is specifically designed to support the demanding power requirements of AI workloads, especially in high-performance computing (HPC) and hyperscale environments.



### 1. Power Density & Scalability

- Supports 30–50 kW+ per AI rack
- Scales 150 kW–3.4 MW per unit, up to 27 MW in parallel
- Modular cores (up to 500 kW) grow with AI cluster

### 2. Ultra-High Efficiency

- Up to 99% in Dynamic Online Mode
- Reduces power loss, waste heat, and cooling needs

### 3. Advanced Monitoring & Predictive Analytics

- Vertiv™ LIFE™ Services predicts failures, schedules maintenance, and enables remote diagnostics
- Supports condition-based maintenance for continuous AI operations

### 4. Grid & Renewable Integration

- Works with BESS, lithium-ion, nickel-zinc, and fuel cells
- Supports hybrid power, peak shaving, and demand response

**Learn more about**  
[Vertiv™ Trineergy™ UPS](#)



## Vertiv™ Liebert® APM2 30-600kW

Vertiv™ Liebert® APM2 is a modular, scalable, and highly efficient uninterruptible power supply (UPS) system designed for mission-critical applications across small, medium, and large data centers, as well as commercial, industrial, telecom, and healthcare environments.

- Remarkable double conversion efficiency up to 97.5%
- Dynamic online mode efficiency up to 98.8%
- Unitary output power factor
- High-density design
- Modular and scalable
- Hot-swappable Power modules, Bypass modules, and Communication modules
- Load compatibility from 0.5 lag to 0.5 lead
- Integrated parallel capability up to 6 frames without CSI
- Seamlessly operates up to 50 °C with auto-derating above 40 °C
- Large, Intuitive 9-inch full-color touchscreen HMI
- Intelligent paralleling mode
- Optimised MTTR



Vertiv™ Liebert® APM2 30-600kW

[Learn more about Vertiv™ Liebert® APM2](#)

## Vertiv™ Liebert® ITA2 5kVA - 40kVA

The Vertiv™ Liebert® ITA2 UPS is a three-phase uninterruptible power supply designed to provide economical, efficient, and reliable power protection for critical loads up to 40 kVA. It is suitable for rackmount or tower installation, making it flexible for various small to medium-sized applications such as computer centers, network and communication systems, automatic control systems, and precision instruments

- **High Efficiency:**  
Best-in-class efficiency of up to 96.3% across a wide range of load conditions, with Smart Sleep technology in ECO mode boosting efficiency up to 99%, which helps reduce operational expenses<sup>2</sup>.
- **Robust Design:**  
Dust-proof and capable of operating in high ambient temperatures up to 50°C, assuring reliability in demanding environments<sup>2</sup>.
- **Versatile Applications:**  
Widely used across industries including broadcast, education, government, manufacturing, military, aerospace, and telecom<sup>3</sup>.
- The Vertiv Liebert ITA2 UPS is positioned as a cost-effective, high-performance power protection solution ideal for critical infrastructure requiring continuous uptime and operational efficiency

**Learn more about**

[Vertiv™ Liebert® ITA2 5kVA - 40kVA](#)



Vertiv™ Liebert® ITA2 5kVA - 40kVA



## Vertiv™ Liebert® GXT5

The Vertiv™ Liebert® GXT5 is a high-performance, online double-conversion UPS designed to protect mission-critical IT equipment in edge, distributed, and small data center environments. It delivers continuous, clean power—even during outages, sags, surges, or noise on the utility line - ensuring maximum uptime and equipment protection.

### Key Features:

- True online double conversion for seamless power conditioning
- High power factor (0.9–1.0) to support more equipment with less footprint
- Scalable battery runtime with optional external battery cabinets
- Rack/tower convertible design for flexible deployment
- Integrated LCD interface and remote management via Vertiv™ Liebert® RDU101 or Vertiv™ Liebert® RDU120
- Energy Star® certified for improved efficiency

### Available models:

500 VA to 20 kVA, including both single-phase and scalable options.

### Ideal for:

Edge IT, network closets, retail, healthcare, finance, and light industrial applications

### Learn more about

[Vertiv™ Liebert® GXT5 VRLA Lithium-Ion](#)



Vertiv™ Liebert® GXT5 VRLA Lithium-Ion

## Vertiv™ Edge

The Vertiv™ Edge UPS is a line-interactive uninterruptible power supply designed to protect servers, networking hardware, and IT equipment in edge computing, retail, branch offices, and remote sites. It combines cost-effective power protection with advanced manageability and extended runtime options—all in a compact and flexible form factor.

### Key Features:

- Line-interactive topology with automatic voltage regulation (AVR)
- High output power factor (0.9)—more usable power in less space
- LCD display for local configuration and status
- Rack/tower convertible design (1U, 2U, 3U form factors)
- Optional external battery cabinets for extended runtime
- Remote monitoring with Vertiv Liebert RDU101 SNMP/Web card support
- Up to 6 programmable outlets for load prioritization

### Ideal for:

Small to mid-sized IT rooms, network closets, edge applications, POS systems, and telecom environments

[Learn more about Vertiv™ Edge VRLA and Vertiv™ Edge Lithium-Ion](#)

[Learn more about the different types of UPS systems](#)



Vertiv™ Edge VRLA

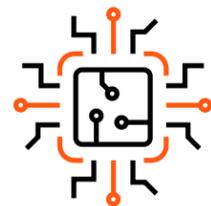
Discover the cutting-edge solutions shaping tomorrow's digital infrastructure visit the High Density Showroom to:



Inspire customers and partners

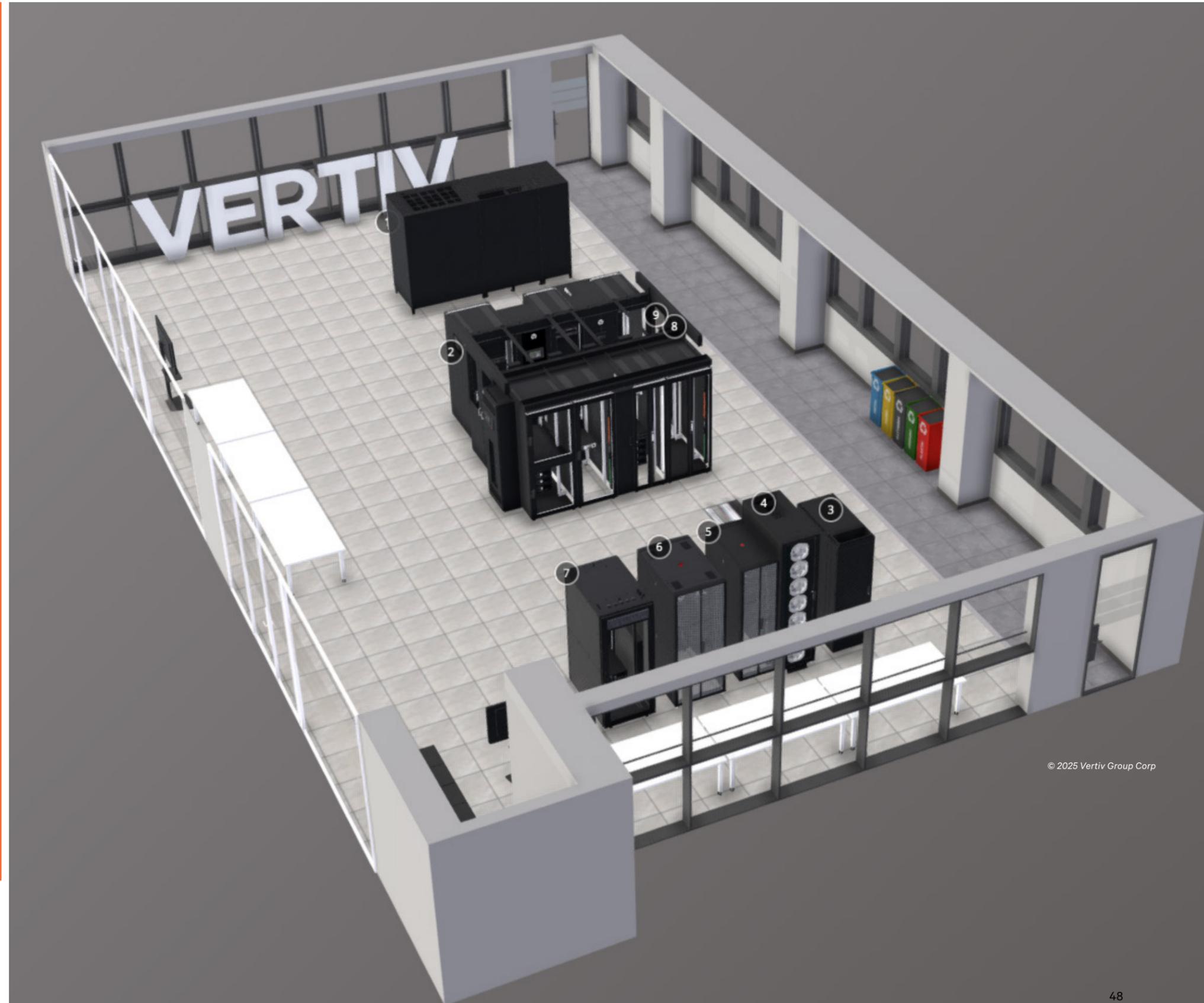


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