VERTIV.

Brochure

Vertiv™ Unify Next Predict

Reimagine data center maintenance
with AI-powered predictive intelligence





Vertiv™ Unify Next Predict overview

AI-driven solutions for smarter data center maintenance

For data center operators, unplanned downtime remains a key concern for maintaining continuity, performance, and customer confidence. Traditional maintenance methods, which rely on time-based schedules and reactive interventions, can fall short in today's increasingly complex environments. These approaches make it harder to optimize operations, fully manage risks, and spot emerging issues early.

Vertiv™ Unify Next Predict transforms critical digital infrastructure maintenance with a proactive, data-driven approach that keeps your operations running at peak performance. By leveraging AI-powered predictive analytics and real-time monitoring, Vertiv Unify Next Predict helps operators improve equipment efficiency, safety, and operational stability. With these capabilities, you can:

- **Detect issues early:** Identify early signals of equipment degradation to prevent costly failures and maintain predictive uptime at scale.
- **Optimize maintenance routines:** Schedule maintenance activities based on equipment health to increase the effectiveness of service visits.
- **Enhance reliability:** Extend equipment life and improve performance with targeted, real-time insights.

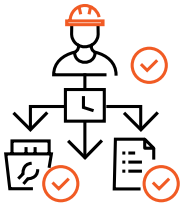
Vertiv Unify Next Predict is more than a maintenance upgrade—it's a strategic approach to smarter, more resilient data center operations. It enables teams to shift from reactive to predictive maintenance, supporting uninterrupted performance and enhanced reliability.

Vertiv™ Unify Next Predict delivers measurable outcomes that address key challenges in data center operations. Through AI-powered analytics, continuous monitoring, and data-driven insights, this solution helps operators to achieve:



1. Reliable uptime

- **Early detection:** Identify subtle signs of equipment wear or failure through anomaly detection and health scoring to act before costly disruptions occur.
- **Proactive response:** Address issues in a timely manner using real-time monitoring, automated alerts, and expert insights to maintain operational continuity.
- **Comprehensive monitoring:** Enable rapid response to emerging issues with Vertiv's High Availability Response Center (HARC).



2. Efficient resource allocation

- **AI-powered service visits:** Plan service visits based on automated real-time equipment health diagnosis and preventative maintenance recommendations.
- **Optimized service recommendations:** Focus on the most impactful maintenance tasks using data-driven insights, trend analyses, and customizable alert thresholds.
- **Extend equipment lifespan:** Improve asset lifecycle management through intelligent and targeted component replacement.



3. Improved system performance

- **Equipment performance:** Help maintain optimal equipment performance through continuous telemetry data and advanced analytics.
- **Risk mitigation:** Detect and resolve issues before they escalate to minimize the likelihood of emergency repairs.
- **Data-driven decisions:** Leverage detailed reporting, historical data analysis, and predictive insights to guide operations strategy.

Operational benefits:

Vertiv Unify Next Predict also supports:

Optimized maintenance efficiency: Use predictive insights to prioritize critical tasks, improve mean time to repair (MTTR), reduce unnecessary service interventions, and time on-site.

Scalability: Designed to adapt to the growing demands of AI, high-performance computing (HPC), and edge computing with a solution that scales alongside your infrastructure growth.

Reduced manual interventions: Minimize the need for manual checks and reactive repairs, freeing up resources for strategic tasks.

How Vertiv™ Unify Next Predict works

Data collection:

Vertiv™ Unify Next Predict securely collects high-resolution sensor data from connected equipment and captures insights into real-time operating conditions, environmental factors, and historical trends.

Data analysis:

AI-powered analytics evaluate this data to detect patterns, identify anomalies, and uncover early signs of wear or performance degradation.

Equipment diagnosis:

Predictive physics models calculate the current conditions and remaining useful life of key components, and perform automated root case analysis to assess system reliability and equipment performance risk.

Incident generation:

The system generates incident reports and automated alerts that trigger maintenance recommendations or escalations as needed.

Continuous monitoring:

Vertiv's service engineers continuously review incident reports and assess the severity of identified incidents to determine the appropriate next step, such as customer alert notifications or service visits.

Reporting:

An intuitive dashboard consolidates critical insights in one place. Operators can track system performance, review alerts, analyze trends, and make proactive, data-driven maintenance decisions.



Figure 1. Vertiv™ Unify Next Predict dashboard

Advancing data center performance with predictive intelligence

As data centers scale to support artifical intelligence, high-performance computing, and other high-demand applications, traditional maintenance methods fall short. Vertiv™ Unify Next Predict delivers predictive maintenance powered by AI and helps operators reduce risk, improve reliability, and operate efficiently. Here's how Vertiv Unify Next Predict is solving today's biggest challenges with predictive intelligence:

	Maximize uptime and reliability	Reduce equipment downtime risks	Anticipate and avoid risk	Optimize equipment lifecycle	Boost asset performance
Challenge 	Equipment and system downtime lead to revenue loss, operational disruption, and reduced customer trust.	Manual checks and fixed maintenance intervals often fail to catch problems in time.	Identifying anomalies and managing performance risks across complex evolving environments.	Maintaining aging infrastructure while navigating supply chain delays and resource constraints.	Equipment operating at low efficiency drives up running costs and adds strain on critical components.
Solution 	Vertiv's AI-powered auto diagnosis engine continuously monitors asset and component health and detects early signs of performance degradation for proactive intervention.	Predictive physics-based models and automated alerts help prioritize maintenance based on real-time conditions and severity.	Real-time telemetry and AI-powered analytics surface issues before they escalate.	Health monitoring and historical insights support timely servicing and replacement planning.	AI-powered analytics continuously monitor assets for anomaly patterns that signal declining efficiency, enabling data-driven recommendations.
Outcome 	Supports improved infrastructure reliability.	Increased confidence in operations and fewer unplanned outages.	Improved resilience and smarter operational decision-making.	Longer asset lifespans and simplified lifecycle strategies.	Optimized equipment efficiency, lower running cost, reduced component stress, stronger operational reliability.

Reimagine data center maintenance with AI-powered predictive intelligence.

Vertiv™ Unify Next Predict redefines maintenance with a data-driven approach built for today's high-demand infrastructure. Move beyond routine schedules and unlock predictive uptime at scale.

Global presence, local expertise

Headquartered in Westerville, Ohio, USA, Vertiv does business in more than 130 countries.



Worldwide

Manufacturing locations: **30**

Service centers: **~320**

Field services engineers: **~5,000**

Technical support/response: **~400**

Customer experience centers/labs: **26**

Americas

Manufacturing locations: **14**

Service centers: **~180**

Field services engineers: **~2,600**

Technical support/response: **~170**

Customer experience centers/labs: **3**

Europe, Middle East, and Africa

Manufacturing locations: **10**

Service centers: **~60**

Field services engineers: **~700**

Technical support/response: **~150**

Customer experience centers/labs: **12**

Asia Pacific

Manufacturing locations: **6**

Service centers: **~80**

Field services engineers: **~1,700**

Technical support/response: **~80**

Customer experience centers/labs: **11**

Company information as of December 31, 2025.





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