

# Vertiv™ Next Predict

AI-powered asset monitoring and predictive analytics



## Overview

Vertiv™ Next Predict is an AI-powered digital managed service that combines sensors, high-resolution telemetry, and AI/ML powered analytics to deliver actionable, predictive insights. It detects anomalies and emerging issues before they impact operations, improving infrastructure reliability, minimizing downtime, and optimizing system performance.

By analyzing real-time data and applying automated condition-based and predictive maintenance logic, Vertiv Next Predict empowers data center teams to move beyond traditional calendar-based maintenance models and:

- Maximize uptime through continuous monitoring and early issue detection.
- Reduce unplanned downtime by predicting potential failures with AI-driven algorithms.
- Streamline lifecycle management using predictive insights and real-time asset and component health assessments to optimize maintenance and component replacements planning.
- Improve efficiency by providing data-driven recommendations from real-time operational metrics.
- Extend the assets' lifespan by continuously benchmarking their performance to optimal operating conditions.

Achieve reliable uptime, reduce downtime risks, and maximize on-site visits with AI-powered predictive maintenance.

## What is Vertiv™ Next Predict?

Vertiv Next Predict is an AI-driven digital service that monitors and predicts equipment health. It identifies performance issues before failure, enabling smarter, predictive maintenance to help eliminate unplanned downtime and optimize efficiency.

### 1. Asset telemetry

Asset data is captured from critical components and sensors that provide key data points for analysis.

### 2. Secure data transmission

The telemetry system supports the secure transmission of critical asset data to the cloud to run analytics and predictive algorithms.

### 3. Cloud-based analytics

Advanced algorithms contextualize data to detect early indicators of failure, enabling prescriptive actions.

### 4. Prescriptive actions

When risks are detected, our trained service engineers teams interpret the data and prescribe targeted actions.

### 5. Targeted service response

Our trained service engineers deliver service exactly when and where it's needed to prevent downtime and optimize efficiency.

## Key benefits:

### Elevate data center performance

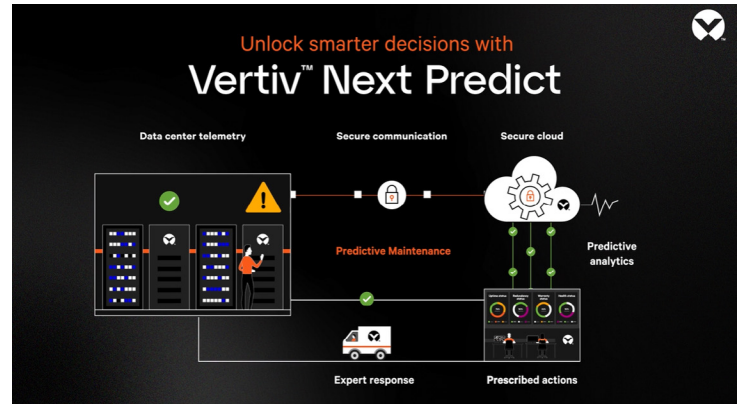
Vertiv Next Predict simplifies the increasing complexity of data center infrastructure management by delivering real-time insights and proactive maintenance strategies. Through AI-enabled analytics and continuous monitoring, it empowers operators to achieve measurable improvements in reliability, efficiency, and performance.

Vertiv Next Predict makes it easy to:

- **Optimize maintenance efficiency:** Use predictive insights to prioritize critical tasks, improve mean time to repair (MTTR), increase efficiency of service visits, and time on-site.
- **Enhance operational visibility:** Continuously monitor equipment health across multiple sites for informed, data-driven decisions.
- **Extend asset lifespan:** Improve component longevity through condition-based and predictive maintenance guided by real-time health improvement recommendations.
- **Access to Vertiv service engineers:** Leverage 24/7 expert guidance and actionable insights from Vertiv's service engineers to keep your data center running at peak performance.
- **Increase operational efficiency:** Receive recommendations that can be taken to improve equipment performance based on environment, running conditions, and lifecycle.

## Key product features:

- AI powered health assessment**  
 AI-driven algorithms assess in real-time the health of the equipment and perform analysis of component conditions, usage patterns, behavior anomalies and changes to equipment lifespan. Our self-learning AI continually improves by capturing real feedback from field maintenance crews, closing the loop between real-world maintenance experience and continuous algorithm improvement. The algorithms are proprietary and patented, incorporating Vertiv's product design knowledge and decades of field maintenance expertise.
- Vertiv technical support**  
 Vertiv's High Availability Response Center (HARC) continuously monitors and benchmarks telemetry data to automatically identify performance deviations and enable timely corrective action.
- Remote troubleshooting**  
 Identify and assess equipment issues remotely. Reduce the need for on-site visits, optimize the time on-site and minimize response delays.
- Health incident generation**  
 Automatically detect anomalies, performance and health degradations to trigger actionable service requests for just-in-time intervention. Prioritize maintenance tasks based on severity.
- Custom maintenance plans**  
 Create AI-optimized maintenance schedules that reflect actual equipment health to prioritize and allocate resources and replacement parts where they are most needed.
- Digital dashboard**  
 Gain centralized access to equipment health, alerts, recommendations, maintenance schedules, and lifecycle planning through an intuitive, cloud-based interface.
- Fleet benchmarking**  
 Equipment performance is compared within sites and across sites, while Vertiv's algorithms share best practices to improve asset health, reliability, and performance.
- Continuous algorithm enhancement**  
 As a managed service, Vertiv™ Next Predict uses machine learning models to refine algorithms that predict equipment health, evolving with each data cycle and maintenance visit to continuously improve predictive accuracy.



## Compatible Vertiv products and brands:

### Thermal management

Technology	Products
Outdoor packages	Vertiv™ Liebert® DSE Packaged Free-Cooling Solution, Vertiv™ CoolPhase Flex Hybrid Outdoor Packaged System, Vertiv™ Liebert® AFC
Floor mounted packages	Vertiv™ Liebert® PDX, Vertiv™ Liebert® PCW
Liquid cooling	Vertiv™ CoolChip CDU

### Critical Power

Batteries	Vertiv™ EnergyCore
UPS	Vertiv™ Liebert® UPS, Vertiv™ PowerUPS, Vertiv™ Liebert® Trinerger™ Cube
Power Distribution	Vertiv™ Liebert® STS2, Vertiv™ Liebert® PPC

Please contact your local Vertiv Sales representative for the latest list of supported product models.