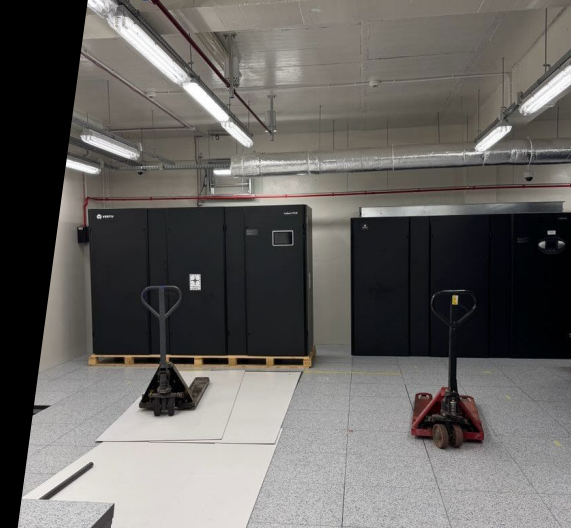




Case study

Polish data center provider scales cooling infrastructure for tomorrow's demands



Background

A Polish provider of fiber connectivity and data center services is supporting digital transformation with secure and highly available colocation environments that enable scalable business operations.

As demand for colocation services grew, the provider upgraded its infrastructure. Vertiv partnered with DC Serwis, a certified service integration partner in Poland, to deliver high-performance cooling technologies in a live data center.

Challenge

Vertiv's challenge was to upgrade the customer's cooling infrastructure in a fully operational facility without disrupting services. The project demanded energy-efficient solutions that meet the latest low-GWP (global warming potential) standards. It also required reliable performance within a limited space and enhanced environmental monitoring capabilities for improved facility management.

Project milestones

- **April 2025** – Identification of customer needs and risk assessment.
- **May 2025** – Infrastructure audit and tailored solution design.
- **June–August 2025** – Delivery and preparation of Vertiv™ Solutions.
- **September 2025** – Start of installation works in a live data center.
- **October 2025** – System integration and installation completion.
- **December 2025** – Testing, commissioning and handover.



Company profile:

A provider of fiber connectivity and data center services in Poland, delivering reliable colocation environments with strong security, uptime, and scalable capacity for business growth.

Industry: Telecommunications and colocation

Region: Poland



Solution

Vertiv and DC Serwis delivered a comprehensive cooling infrastructure solution designed for both immediate needs and future scalability:

- Advanced **Vertiv™ Liebert® HPC-S** air-cooled free cooling chiller with low GWP refrigerant - allows a cut in the use of electricity by maximizing free cooling operations and optimized control algorithm.
- **Vertiv™ Liebert® PCW** water cooled units - precision cooling units with the latest generation of EC fans that increase the unit cooling density, providing better efficiency at the nominal condition.
- **Vertiv™ SmartAisle™** – sensor system uses temperature and humidity sensors placed at the top of the aisle to modulate airflow based on the server's real demand. It delivers the required amount of cooling air with precision, improving efficiency and reducing energy consumption.

DC Serwis's expert team executed the installation and integration while maintaining full operational continuity for the provider's customers. It carried out piping expansion, equipment installation at the site, and system integration within the existing infrastructure.

Results

Delivering customer-focused results:

- A solution designed to minimize operational disruption during the upgrade execution
- Enhanced cooling capacity supporting customers' growing IT demands
- Improved system reliability and service availability
- Energy-efficient cooling aligned with responsible business goals
- Enhanced environmental visibility and rapid response capabilities

This strategic infrastructure upgrade positions the organization to meet increasing customer demands with scalable, reliable, and energy-efficient colocation service.

“Working in an active data center always demands precision and careful coordination. By designing to minimize operational disruption and fully aligning with the customer's team, we were able to safely boost cooling capacity and ensure the infrastructure is scalable for years to come.”

— **Robert Jackowski,**
CEO, DC Serwis

“This project is a perfect example of the synergy between Vertiv, the customer, and DC Serwis. Technology plays a role, but it's the collaboration between teams that truly drives high efficiency and reliability.”

— **Dorota Puc,**
EMEA Program Manager, Vertiv



Vertiv™ Liebert® HPC-S



Vertiv™ Liebert® PCW

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