

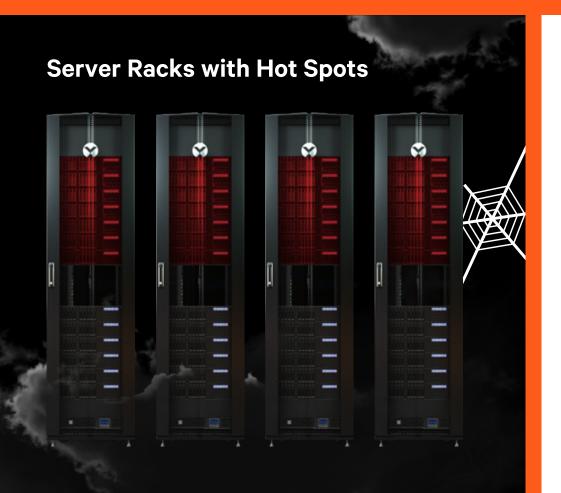
In the spirit of Halloween, here are five of the

Scariest Things

Lurking in Your Data Center

and what you can do to prevent them





Server Racks



As the world digitalizes and the demand for computing power grows at a back-breaking speed, data centers are often in a crunch to add capacity. That often means adding servers in an existing space. 🛞 If your data center cooling approach is not keeping up with the rising densities in your racks, hot spots can emerge, causing overheating, server lifespan reduction and even failures. 😸 The right approach may mean simply reconfiguring your equipment, but the fix might include <u>high density cooling solutions</u> or a <u>pumped refrigerant economizer</u> that works with a cooling unit and outdoor condenser to significantly improve data center efficiency - without bringing in outside air and without using water.

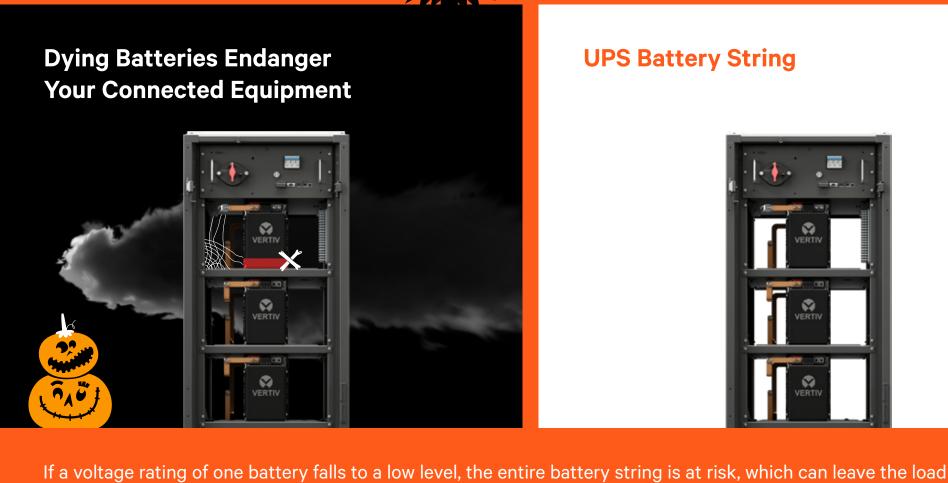


With Remote Monitoring Capabilities

Everyday Edge Data Center



With so much growth and expansion at the IT edge to support changing market needs like remote work, IT teams are struggling to not be left in the dark when it comes to managing and monitoring their networks remotely. Fortunately, new IT management platforms like the Vertiv™ Avocent® ADX Ecosystem provide the data visibility, device access and automated processes needed to increase speed, accuracy and scale. 🛞 The Vertiv Avocent ADX Ecosystem provides the single view, management tools, and automation capabilities organizations need to bring clarity and control to networking and security, so IT managers know if something spooky is happening in their data center.



UPS Battery String

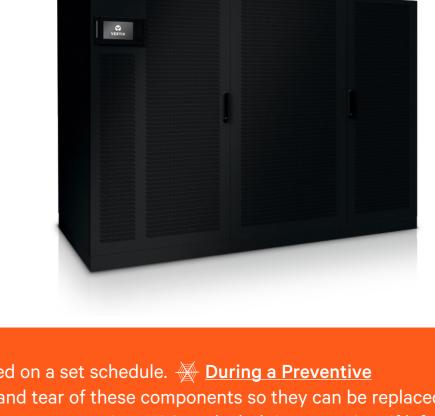


unprotected. For companies that do not utilize a monitoring system for their UPS, Preventive Maintenance visits are especially useful for detecting low voltage ratings on battery jars. 🛞 After detecting a low voltage rating, a Vertiv technician can replace the battery jar(s) to help the overall system run at peak performance. Using battery monitoring technology can help safeguard a critical facility from threats that range from faulty equipment to environmental conditions. Additionally, Vertiv recommends using a Lithium-Ion (Li-ion) UPS battery backup system, which can provide twice the life expectancy of traditional VRLA batteries. 🖝 Through fewer battery replacements, ability to withstand higher temperatures, and quick recharge cycles, these systems are ideal for protecting critical infrastructure.



Aging Components Threaten UPS Life

UPS System



long before the end of their lifespan. 🛞 Capacitors are critical components in a UPS, and a bulging capacitor, if left unchecked, can cause serious issues and affect the functionality of a UPS, as well as the uptime for the system. During a PM visit, a technician can also inspect fans used in a UPS to see if they have exceeded their life performance and recommend whether they need to be replaced. In addition to risking UPS downtime, fans operating beyond their limits can trigger an alarm, which then must be reported, affecting the site's overall maintenance performance rating. **Dirty Air Filters Leave Thermal Clean Thermal Management**



System Air Filters



Dirty air filters force thermal management systems to work harder to properly cool equipment, which

efficiently, but also keep dust and debris from compromising the performance of sensitive IT equipment.

can affect efficiency and performance. 🛞 Clean air filters not only help systems perform more

Vertiv Can Help

