VERTIV™

Colocation and Cloud

Customized solutions for colocation and cloud services providers

Vertiv global solutions helps colocation companies maximize efficiency, deliver flexibility, and ensure just-in-time scalability with customized pre-fabricated, pre-tested and pre-integrated data centers.

Colocation and cloud service providers have distinctive needs that are always a challenge to meet. Your customers expect you to deliver flexibility, efficiency, and scalability that just works — without any challenge or compromise. At the same time, you're constantly balancing the need for growth and speed to market with the need to drive out unnecessary costs or complexities. Vertiv global solutions can help whether you need scalable infrastructure modules, modularly constructed facilities, or a solution tailored just for you—and whether you're looking for a new build, expansion of pre-existing facilities and retrofits, or augmentation of facilities.

At Vertiv, we make mission critical easy. We provide unique designs, building and executing a scalable facility that enables adding cooling, power, and whitespace on the fly as needed. Unlike traditional infrastructure partners, Vertiv global solutions takes a holistic view of your requirements. Our solutions team is here to work with you from the beginning— from developing the initial requirements all the way through project execution. And we are supported by a global manufacturing and supply chain footprint, built upon decades of technology leadership across data center and telecommunications applications.
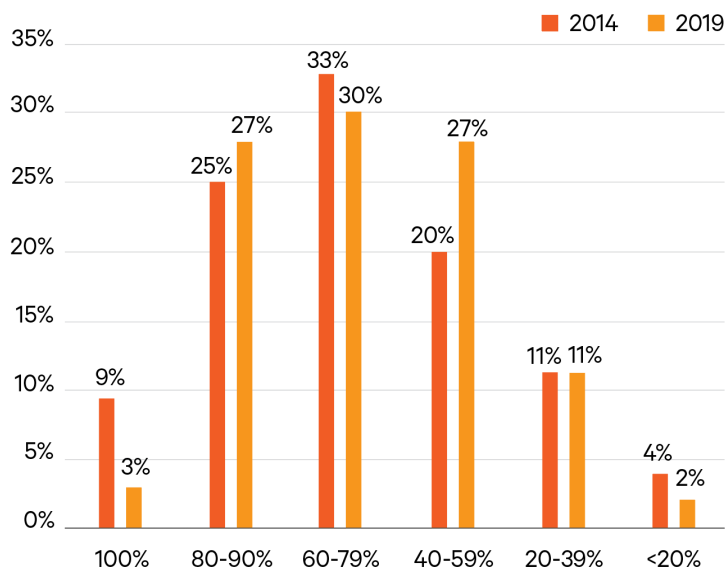
THE VERTIV DIFFERENCE

Vertiv uses modular integration techniques to help our customers, contractors, and consulting partners more effectively design and build data centers anywhere in the world.

- Provide designs and build a facility with scalable cooling, power, and whitespace.

- Engage with IT, facilities, network, and security to integrate with the project from initial requirements through execution.

- Drive out inefficiency by customizing pre-tested, factory-integrated, multi-vendor solutions and assembling them on-site.

## Cloud Adoption Predictions: Impacted by Edge Adoption?

"In 2025, what percentage of data center computing do you expect will be done in the cloud, rather than by in-house data centers?" **Despite edge growth, cloud dependence remains.**


Legend: ■ 2014 ■ 2019

Category	2014	2019
100%	9%	3%
80-90%	25%	27%
60-79%	33%	30%
40-59%	20%	27%
20-39%	11%	11%
<20%	4%	2%

Related Products - Americas and EMEA

Vertiv™ Power Module 1000/1200

Vertiv Power Module 1000/1200 enables you to deploy isolated, power-dense, critical infrastructure capacity just in time to meet your business demands. You can rapidly construct redundant blocks of 1000 or 1200 kVA/kW critical power infrastructure for your new or existing facility, allowing you to focus on the sensitive areas of the facility that require the most management. And, it can be used in a site architecture that is hot scalable, so you can add capacity by simply adding additional units, without taking the critical loads offline. Vertiv Power Module incorporates Liebert EXL S1 UPS offering industry-leading power density and proven reliability, multiple switchboard configurations offering distribution options for both critical and non-critical downstream loads, redundant Liebert thermal management units, and more. The entire Vertiv Power Module and its subsystems are designed to minimize additional work required at the site – from arrival on-site to startup and commissioning in days instead of months. Find out more about the Americas Power Module here and EMEA Power Module here.
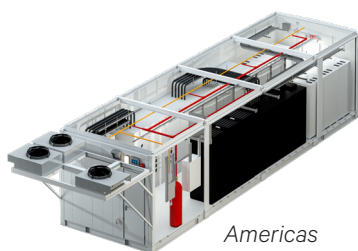
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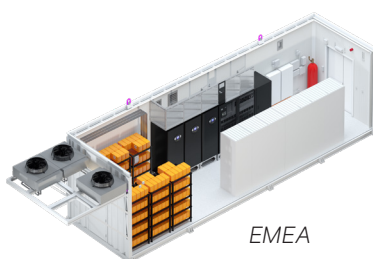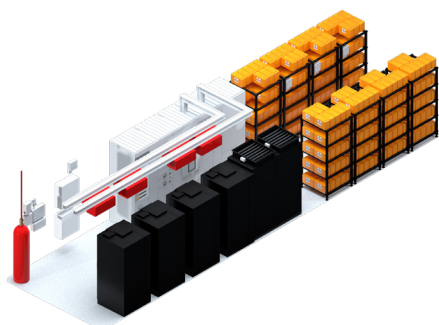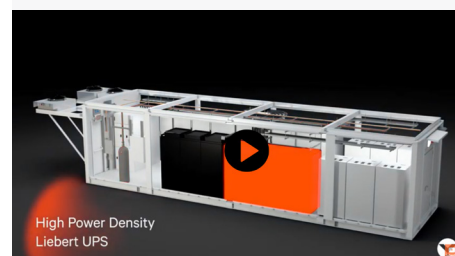
EMEA

Related Products - EMEA Only

Power Module 400/600

With Vertiv Power Module 400/600, you can deploy the right amount of power to satisfy your needs today — in 120kVA or 200kVA increments — while allowing you to scale to the needs of tomorrow. Power Module 400/600 is both internally and externally hot scalable — you can add capacity with systems internally, or you can add additional Power Modules. This means a single unit can operate with N+1 or 2N redundancy, or you can incorporate Power Modules in an overall redundant site architecture. Find out more here.

PRODUCT VIDEOS

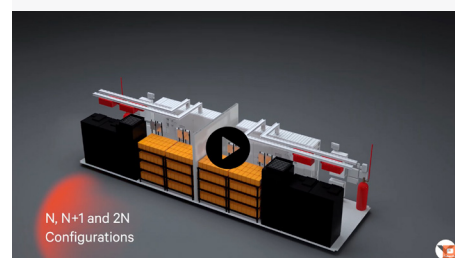See more of the benefits and features of our standardized products in the videos below.

Americas Power Module 1000/1200 video

EMEA Power Module 1000/1200 video

EMEA Power Module 400/600 video

Prefabricated Modular (PFM) Data Centers

PFM data centers deliver low risk, high value implementations with the added benefits of faster delivery and easier on-site assembly. Designing, configuring, and fabricating data center infrastructure off-site creates tighter integration across systems, streamlines processes and enhances management of those systems.

With systems assembled, integrated, and tested in a factory environment, PFM data centers shorten deployment time and improve the predictability of both schedule and cost performance. They are flexible, allowing for faster deployment and lower risk, scalable, allowing for rapid response to unforeseen demand, and efficient, allowing for lower total cost.

The data center can include such subsystems as thermal management, power protection and distribution, controls and management software, and services — plus ancillary systems such as lighting, fire protection, physical security, and water treatment — pre-configured to create a complete environment for the efficient and reliable operation of technology systems.

For new builds, prefabricated facilities represent an emerging solution. These modular, facility-sized solutions allow organizations to bring new capacity online faster and can be easily scaled. Prefabricated methods design the growth plan into the solution from the beginning.

For expansion and retrofits, building block solutions that range from single enclosed racks to multi-rack contained systems represent a viable solution, as they allow a staged retrofit or expansion that can be accomplished with minimal disruption and allow for controlled growth.
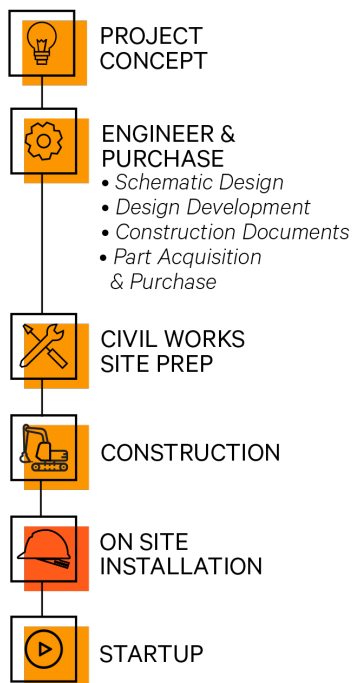
For augmentation of conventional facilities, PFM units can be deployed to add additional power (UPS) or cooling capacity to a new or existing site that may have sufficient whitespace but that is constrained from a thermal or resiliency perspective.

PFM DATA CENTER PROJECT

Vertiv partnered with Dimension Data to deliver a high-quality prefabricated modular Tier III compliant data center system for their Parklands facility in South Africa. This reliable and high-quality facility satisfies the requirements of a growing region and is scalable to align to growth needs. Check out the full project video here.

Traditional New Build

- PROJECT CONCEPT
- ENGINEER & PURCHASE
  - *Schematic Design*
  - *Design Development*
  - *Construction Documents*
  - *Part Acquisition & Purchase*
- CIVIL WORKS SITE PREP
- CONSTRUCTION
- ON SITE INSTALLATION
- STARTUP

Prefabricated Modular New Build

- PROJECT CONCEPT
- ENGINEER & PURCHASE
  - *Schematic Design*
  - *Design Development*
  - *Construction Documents*
  - *Part Acquisition & Purchase*
- FACTORY INSTALL & TESTING
- SITE ASSEMBLY & TESTING
- STARTUP

PREFABRICATED MODULAR

- CIVIL WORKS SITE PREP
- CONSTRUCTION

■ Data Center Owner
■ Data Center Provider

(R10/19)