

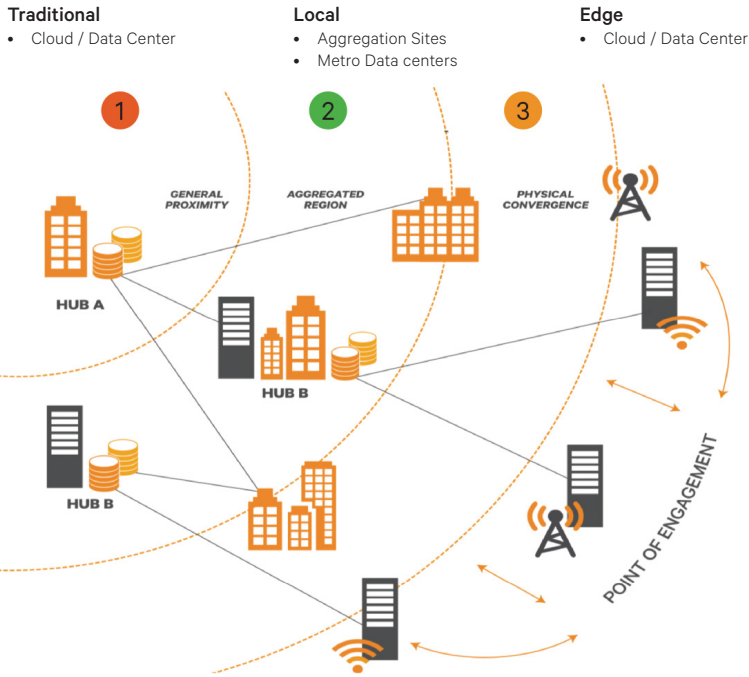


Vertiv™ SmartRow™

Intelligent, Integrated Infrastructure
for the Data center



A CHANGING DIGITAL WORLD

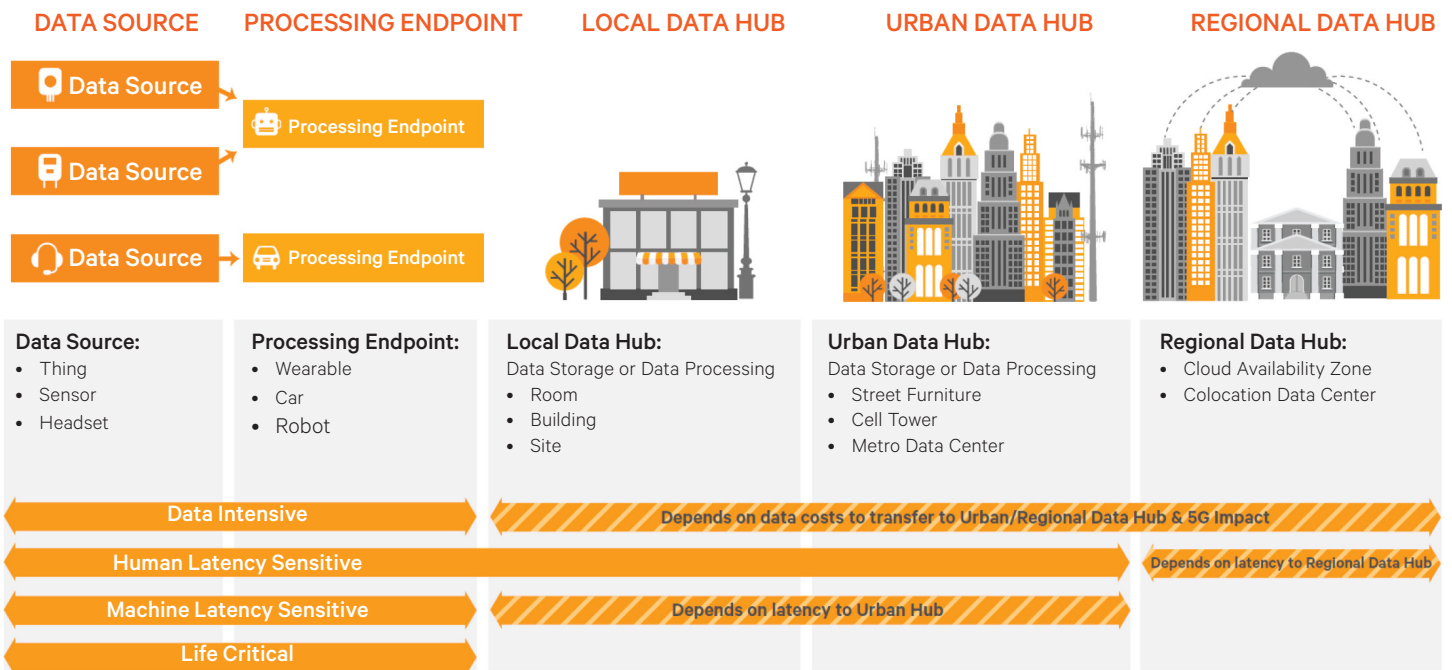


Traditionally, data was generated at the Core and consumed at the Edge.

This model is now changing, with the large and growing number of smart devices and sensors generating a massive amount of information at the Edge.

Just a fraction of the content created at the Edge will be sent to the Core. Most of it will be processed and filtered at Edge sites.

What will enable this major shift?



Vertiv researched and analyzed the technology drivers and requirements of Edge use-cases across a wide range of business segments and verticals. The use-cases were each assigned to one of four archetypes that best characterize its intent and challenges:

- Data Intensive
- Human Latency
- M2M Latency
- Life Critical

Deploy a fully configured data center in just weeks.

Availability, Capacity, and Efficiency

Vertiv™ SmartRow™ infrastructure is a simplified, standardized, and quickly deployable data center environment with significant CAPEX and OPEX savings over conventional designs. No other solution in the market provides such ease of deployment and integration.

Vertiv has demonstrated up to 10% CAPEX savings over conventional designs and 27% OPEX savings. Here's how Vertiv™ SmartRow™ infrastructure does it:

- Significantly reduces the cost of room upgrades or modifications.
- Optimizes use of space.
- Reduces cooling power usage through contained airflow, and high-efficiency technologies.
- Increases IT control and productivity.
- Deploys in weeks, not months.

This complete data center infrastructure solution allows you to easily deploy and effectively manage an integrated IT infrastructure without being limited by building systems such as fire suppression and cooling.

Vertiv SmartRow is available in 2 to 12 rack configurations for up to 150 kVA IT capacity. This solution allows the flexibility of starting small and expanding over time.

Simple, fully integrated infrastructure – racks, dedicated cooling, management, fire suppression, cable management, and power distribution are designed to work together, saving time and money on installation and operation.

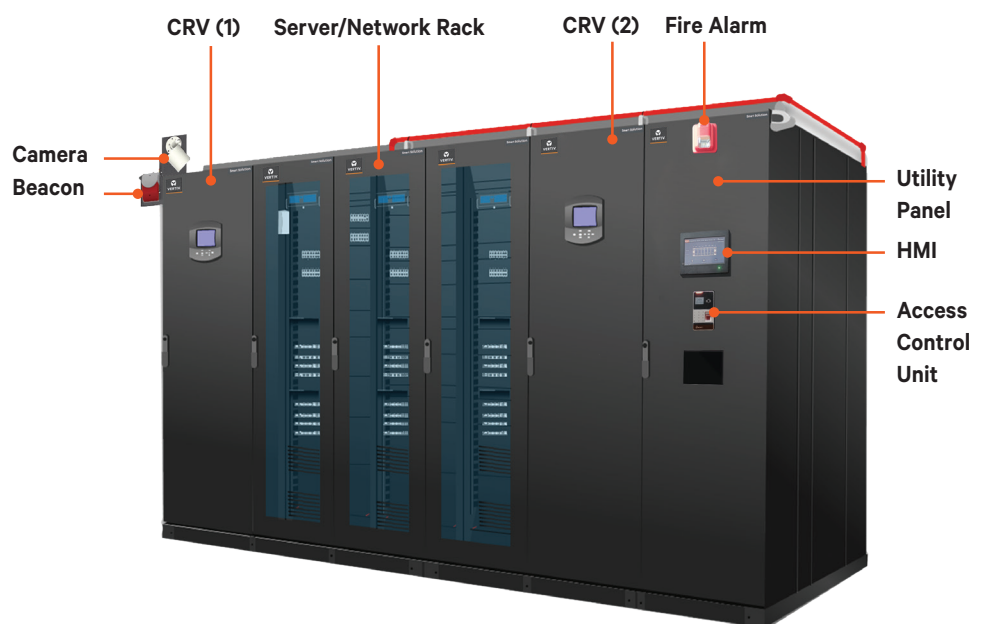
What makes the Vertiv SmartRow offering unique?

Imagine the advantages of an intelligent, integrated infrastructure with all the capabilities you need to achieve your IT objectives.

Capacity	: 10-150 kVA
Rack	: 2-12 Racks
Floor	: Primarily non-raised
Key Application	: Datacenter, Disaster recovery sites

The Vertiv™ SmartRow™ infrastructure utilizes seven data center best practices and technologies to achieve a unique set of benefits:

1. Maximizes the return air temperature at the cooling units to improve capacity.
2. Matches cooling capacity with IT load.
3. Features a design that enhances flexibility using scalable architectures that minimize footprint.
4. Utilizes real-time infrastructure optimization to provision resources faster, increase efficiency, and reduce stranded capacity.
5. Leverages the availability of in-market data center design expertise and technical assistance.



Vertiv™ SmartRow™

Technical Specification

Specification	SR-2-10	SR 2 -25 RC -U20 2N	SR-5-25 RC2-U20 2N	SR-7-35 RC 2-U40 2N	SR-8-50 RC3-U40 2N	SR-10-70 RC 3	SR-12-135 RC 4
IT Capacity	10 kVA	20 kVA	20 kVA	35 kVA	40 kVA	70 kVA	135 kVA
No. of Racks	2	2	5	7	8	10	12
Cooling Capacity	2 X 10 kW	2 x 25 kW	2 x 25kW	2 X 35 kW	3 x 25 kW	3 x 35 kW	4 x 45 kW
Cooling Redundancy	Thru Emergency Ventilation	Yes	Yes	Yes	Yes	Yes	Yes
Emergency ventilation	Yes	Optional	Optional	Optional	Optional	Optional	Optional
UPS Capacity	Customer/ External UPS	2 x 20 kVA	2 X 20 kVA	2 X 40 kVA	2 X 40 kVA	Customer/ External UPS	Customer/ External UPS
UPS Redundancy	Not Applicable	Yes	Yes	Yes	Yes	Not Applicable	Not Applicable
Backup Time	N/A	Min 5 mins to max 60 mins				N/A	N/A
U Space Available*	83	76	203	295	327	419	503
Monitoring	Yes						N/A
Display Panel	9" HMI Display						
Rack RDU Type	All types (Basic, Metered, and Monitored)						
Fire Suppression and Access controll	Yes						
Optional Accessories	KVM, LCD Console, LTS, VESDA, Camera with local surveillance						
Dimensions							
Width (mm)	2525-3825	2625- 3025	5025-6025	6225-7625	7525-9125	8725-10725	10625-13025
Depth (mm)	1600-1800						
Height(mm)	2450 (Including Exhaust)			2300			

*Cooling models available: DX based 10, 12, 20, 25, 35, and 45 kW; CW based : 30 and 60 kW.

*U space available is subjected to change as per configuration.

*Specifications are subjected to change without prior notice.

Additional SmartRow™ Models being offered are SR-210, SR-210 RC 2, SR-225, SR-225 RC 2, SR-225 RC 2 U20-2N, SR-225 U20-2N, SR-235, SR-235 RC 2, SR-235 RC 2 U40-2N, SR-235 U40-2N, SR-310, SR-310 RC 2, SR-310 RC 2 U10 2N, SR-310 U10-2N, SR-320, SR-320 RC 2, SR-335, SR-335 RC 2 U40-2N, SR-335 RC2, SR-335 U40-2N, SR-410, SR-410 U10-2N, SR-410 RC 2, SR-410 RC 2 U10-2N, SR-420, SR-420 RC 2, SR-420 RC 2 U20-2N, SR-420 U20-2N, SR-435, SR-435 RC, SR-510, SR-510 RC 2, SR-510 RC 2 U10-2N, SR-510 U10-2N, SR-520, SR-520 RC 2, SR-520 RC 2 U20-2N, SR-520 U20-2N, SR-535, SR-535 RC 2, SR-535 RC 2 U40-2N, SR-535 U40-2N, SR-620, SR-620 RC 2, SR-620 RC 2 U20-2N, SR-620 U20-2N, SR-635, SR-635 RC 2, SR-720, SR-720 RC 2, SR-720 RC 2 U20-2N, SR-720 U20-2N, SR-735, SR-735 RC 2, SR-735 RC 2 U40-2N, SR-735 U40-2N, SR-835, SR-835 RC 2, SR-470 RC 3, SR-570 RC 3, SR-670 RC 3, SR-770 RC 3, SR-870 RC 3, SR-640 RC 3, SR-740 RC 3, SR-840 RC3, SR-640 RC 3 U40 2N, SR-740 RC 3 U40 2N, SR-840 RC 3 U40 2N. (70kW Capacity models available with both internal rackmount UPS or external UPS).

Local Expertise

Our network of local data center design experts have decades of experience building strong, infrastructures for IT environments of all sizes and types. These experts will work with you to identify and implement the exact solution for your needs. And they can thoroughly assess your IT environment to address your power, cooling and management challenges.

Industry-Leading Services

Our globally - renowned service and support organization is the largest in the industry. Vertiv Global Services can provide service capability for your entire facility infrastructure: from AC Power, DC power, Global Edge solutions, and Energy Storage solutions to Environmental Services, for all Vertiv brands and businesses.



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