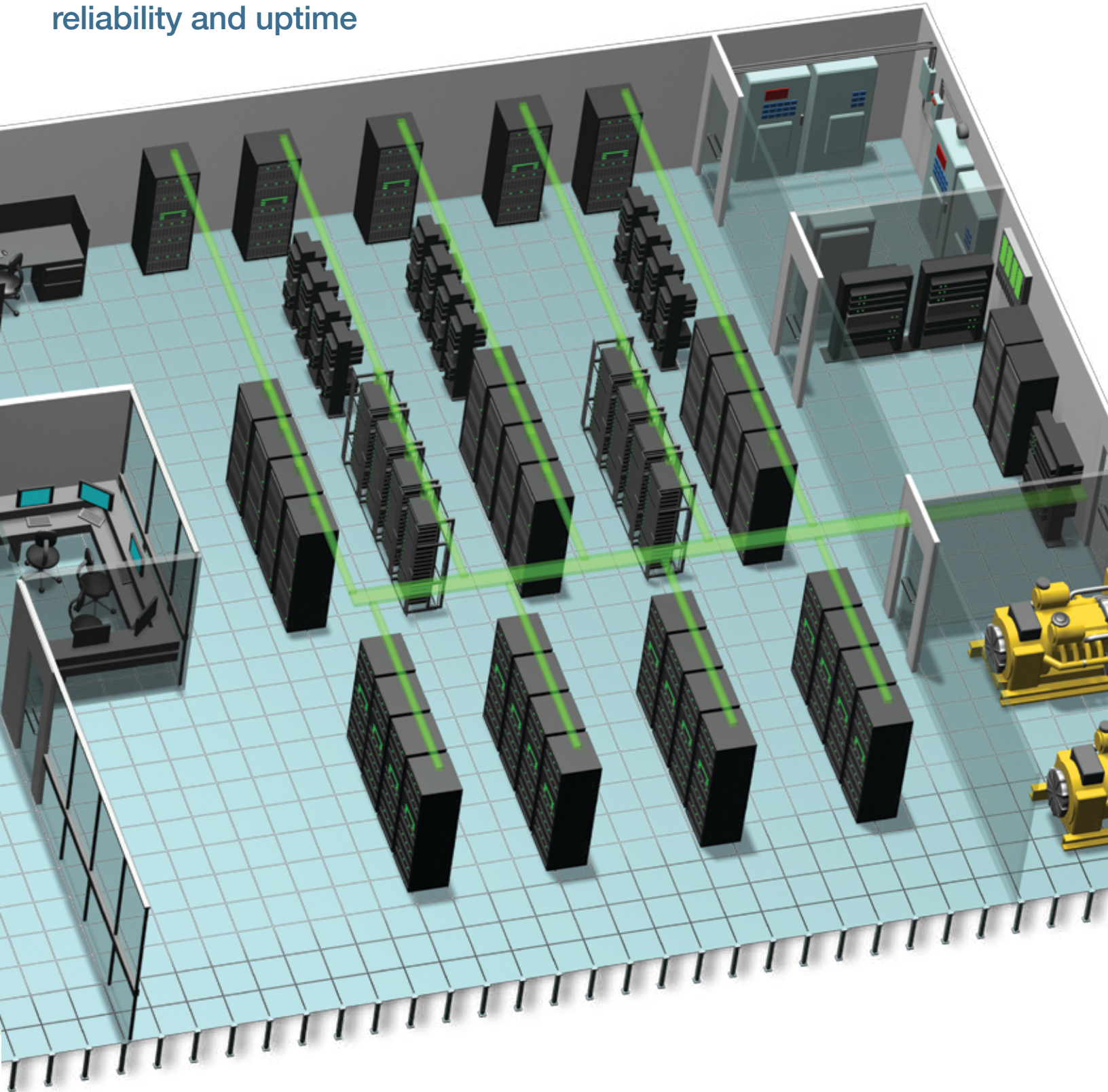


Sustainable Data Center Solutions



Integrated solutions for
energy efficiency, space utilization,
reliability and uptime



Sustainable Data Center Solutions



Managing Power and Data as One

Data centers are the very core of modern business environments, supporting all the applications needed to maintain daily communications, transactions, and critical storage and retrieval of information. For years, data center managers considered power and data infrastructures as two separate entities. Today's emerging applications require faster transmission speed and increased power consumption. As a result, there is now a tremendous need for holistic data center solutions that address both power and data while supporting sustainability through energy efficiency, space utilization, reliability, and uptime.

From the building power source to the cabinet to the work station, Hubbell Wiring Systems has the reliable power and data solutions needed to deliver efficient power, transport critical data, support the latest networking applications and effectively manage high-density equipment to ensure data center sustainability.



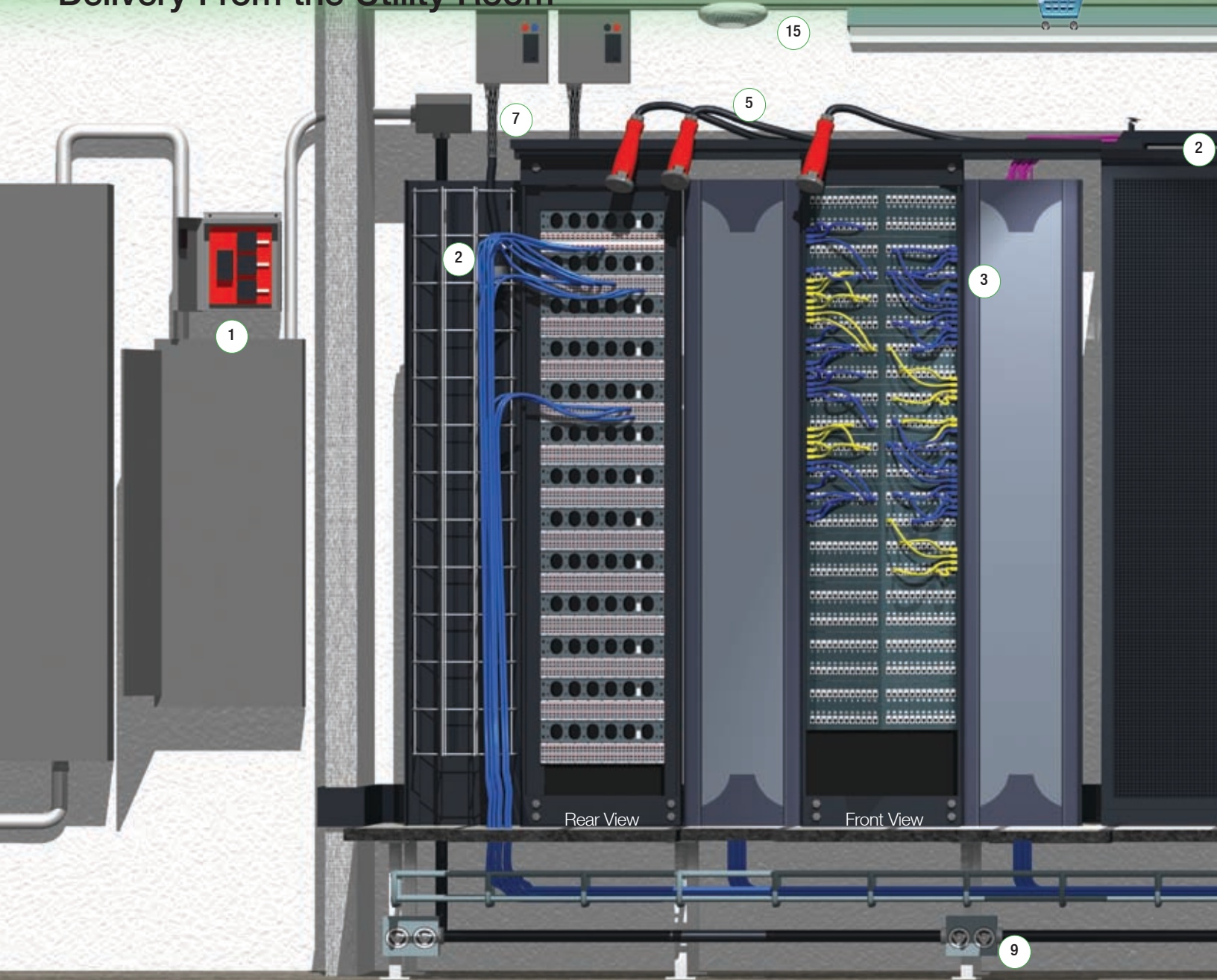
- Hubbell power distribution solutions and devices improve airflow, enhance power capacity and load balancing, enable flexible power connections, and maximize data center uptime by preventing unintentional disconnects at essential switch gear.
- Hubbell server and network cabinets, racks, and cable management solutions optimize airflow for efficient cooling, increase usable space, and facilitate identification of critical ports while maintaining data center aesthetics for a professional look.
- Throughout the data center, Hubbell fiber and copper systems support maximum bandwidth and emerging applications to reduce waste and cable bulk to ensure uptime, scalability and reliability extending the life of the network investment.
- In the Data Center, Hubbell raised-floor solutions and connections support space efficiency by delivering power, data, and AV applications to work area outlets while lighting controls and sensors save energy and enhance security throughout the data center.



No other manufacturer provides as broad array of end-to-end products that holistically address both power and data infrastructure concerns throughout the entire data center, from the entrance facility to the Data Center and everything in between—one partner to help you manage power and data as one.

Backed by Hubbell's GreenWise sustainability initiative and superior support, Hubbell Sustainable Data Center Solutions bring innovation, technology, quality, and service to the data center.

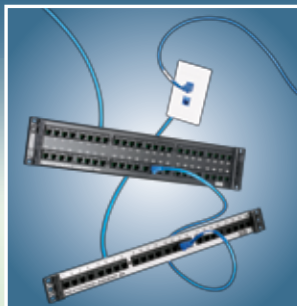
Delivery From the Utility Room



1 Hubbell SpikeShield® service entrance and branch panel surge protection devices reliably handle peak amperage capacity of 40kA to 320kA. They can be easily installed next to the panel to prevent over voltage that can impact sensitive data center equipment and mechanical systems.



2 Hubbell NextFrame™ equipment racks and iFrame server and networking cabinets support hot aisle/cold aisle cooling configuration and optimize airflow to keep critical equipment cool and reduce power consumption while facilitating upgrades and data center aesthetics.



3 Hubbell copper infrastructure solutions include 10G base-T, 48-port angled, super high-density and vertical patch panels that save rack space. Hubbell's Cat 6A end-to-end solutions include patch panels, jacks, cable and patch cords that reliably support the latest high-bandwidth applications.



4 OptiChannel™ fiber MTP plug-and-play cassettes and 12-fiber cords are factory terminated for reliability, uptime, and reduced waste, and they offer higher density for efficient use of space and improved airflow. Hubbell OptiChannel fiber solutions also include enclosures, adapter panels, cables, patch cords, cable assemblies and connectors.



5 Hubbell IEC Pin and Sleeve 20A to 100A connections enable distribution of 3 phase electrical power to server cabinets, extending the capacity of power distribution units for space savings and reducing the amount of power cables beneath the raised floor for effective airflow and cooling.

Through the Data Center



6 Hubbell vertical and horizontal metered power strips can be easily mounted in all Hubbell cabinets to effectively distribute power to active equipment at each rack unit, minimizing power cord length and clutter. Assembled-to-order power strips allow customization of plug types to meet a variety of power needs, including 3-phase power.



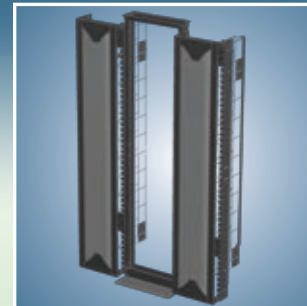
7 Kellems® strain relief grips support power drops from above to help remove obstacles from airflow in plenum spaces. They also reduce waste by eliminating the need for rigid wire management systems and ensure reliable electrical connections through proper strain relief, which reduces costly data center downtime.



8 Hubbell Twist-Lock® Power Devices prevent unintentional disconnects to ensure uptime of critical active equipment. Available in 15A, 20A and 30A configurations. Watertight Safety-Shroud® designs further enhance safety and reliability of data center electrical connections. Twist-Lock Receptacles can be integrated into vertical and horizontal power strips.



9 Escalating data center power requirements are easily managed with Hubbell 50A Insulgrip® Twist-Lock® plugs and connectors. These super tough nylon devices provide maximum safety, heat resistance, and strain relief. Their rigid construction and stainless steel shroud assures reliable mating and secure terminations.



10 Hubbell's XXL Cable Management System is a high-density rack design that combines cable management, and space savings into one structured system delivering increased airflow performance to support the critical demands of data center applications. Hubbell's comprehensive horizontal and backbone grounding solutions serve grounding and bonding of equipment and racks.

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Front View

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11 Ideal for permanent links between switches, servers and patch panels, Hubbell BIDnet™ pre-terminated copper trunk assemblies are factory tested and terminated for maximum performance and reduced installation time. Because BIDnet assemblies are made to the exact length and number of connections, they eliminate unwanted cable waste.

12 For efficient use of space in raised-floor network operation centers, Hubbell's UL-listed CONNEXION zone distribution system delivers power throughout the raised floor where needed using extender cables and furniture feed boxes to transition the power to floor boxes and modular furniture systems.

13 Hubbell's variety of deep and shallow access floor boxes are ideal for delivering applications in raised-floor network operation centers. These multi-service boxes support both carpet and tile applications and utilize Hubbell modular face plates and devices for delivering power, voice, data, or other multimedia applications.

14 Hubbell offers the most comprehensive line of devices from switches, ground fault products and receptacles for power to keystone copper and fiber jacks and AV connectors for voice, data, and multimedia applications, and all the faceplates and delivery systems to support them.

15 Hubbell lighting controls used throughout all areas of the data center save energy by automatically turning lights on when the area is occupied and off when vacant. Lighting controls can also be deployed to trigger a security alert when motion is detected in the data center.

Sustainable Data Center Solutions



Hubbell Supports Green

All around the globe, there is a powerful shift towards "green" thinking. Now increased interest in energy efficiency and waste reduction has put sustainable building design at the very forefront of the industrial, commercial and residential construction industries.

As a leader in the industry, Hubbell Wiring Systems recognizes its role and responsibility in safeguarding the environment. Through its GreenWise™ Sustainability Initiative, Hubbell designs and develops innovative products that optimize sustainable building design by saving energy, supporting space efficiency and reducing waste. Hubbell Wiring Systems is committed to maintaining environmental stewardship in our own manufacturing and corporate facilities through restricting the use of hazardous materials, implementing comprehensive recycling programs and improving energy efficiency.

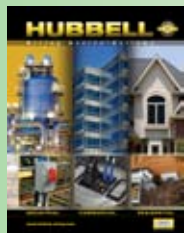
Website Support

The Hubbell Wiring Systems website features a landing page dedicated to the GreenWise™ Initiative. Here you can find quick links to Hubbell Green products, Green Resources and Councils, Financial Incentives per state and support literature.



Available Literature

Hubbell offers an extensive literature library for product support. Downloadable PDFs are available on line.



Hubbell Wiring Device-Kellems Full Line Catalog



Hubbell Premise Wiring Full Line Catalog



H-MOSS® Application Guide



HUBBELL®
Wiring Systems

www.hubbell-wiring.com
www.hubbell-premise.com



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Hubbell Premise Wiring • Hubbell Incorporated (Delaware) • 14 Lord's Hill Road • Stonington, CT 06378-0901 • Phone (800) 626-0005 • FAX (860) 535-8328
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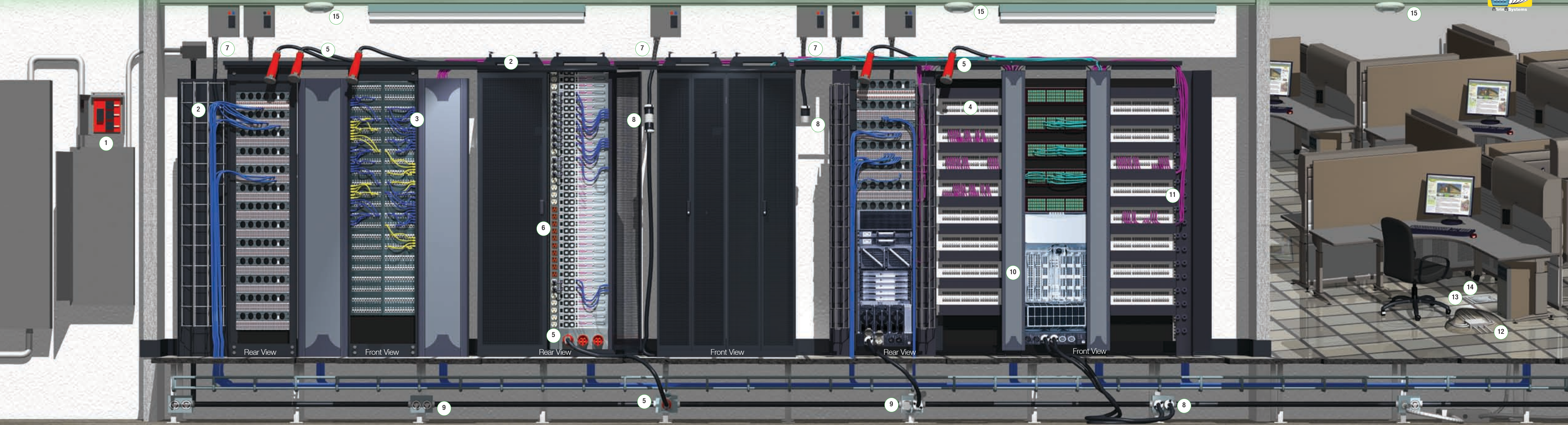
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Delivery From the Utility Room

Through the Data Center

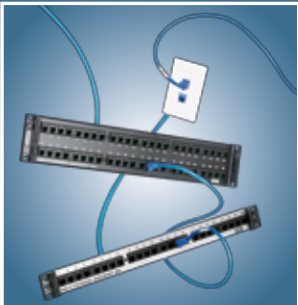
To the Workstations



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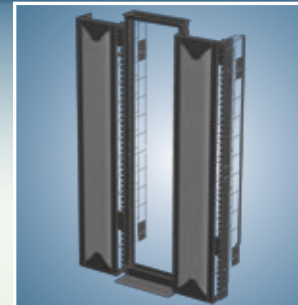
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