

Data center solutions

Medium & large enterprise, multi-tenant and hyperscale

Energize your data center, maximize the value of your investment

EATON

Powering Business Worldwide

We serve the needs of data centers of all sizes, around the world, throughout their life cycle.

Eaton is a leading power management company, providing energy-efficient solutions that help customers use electrical, fluid and mechanical power more reliably, efficiently, safely and sustainably.

We provide innovative solutions globally that help you build a more sustainable business.

Eaton brings a new dimension of expertise.

Your data center is the backbone of your business and requires innovative, mission-critical power and thermal management solutions that drive efficiency, quickly scale to meet your needs and ensure you are optimizing your IT assets. These solutions need to be easy to deploy and resilient enough to accommodate reduced facility infrastructure redundancies. All while assuring power quality and reliability. It's critical to your business success to have a partner who delivers the engineering skill, offers service expertise and focuses on lowering costs, reducing risk and providing a safer environment.

Eaton solutions help you manage your data center power and fit-for-purpose thermal management system as strategic assets that drive real business results. We work with you to build an agile, scalable infrastructure so you can deliver your application service requirements at optimum efficiency and lowest cost.

Legacy of innovation.

Over the years, our innovative portfolio has grown, including solutions from:

Best Power	Phoenixtec
B-Line	Powerware
Cutler-Hammer	Santak
MGE Office Protection Systems	Wright Line





Build a performance-optimized data center with Eaton.

Increase efficiency without sacrificing uptime

Eaton provides mission-critical data center solutions, including backup power protection and power distribution equipment that ensure a steady flow of high-quality power. These solutions offer higher availability and reliability to accommodate lower power and cooling redundancy for less downtime. Our expertise and technology have led to the development of industry-leading solutions that make the most efficient use of your resources – electricity, water, people, process, space and capital. And our troubleshooting, diagnostics and services help you solve even the toughest power management challenges.

A more flexible data center design

Our experts help extend the life of your existing data center or design new ones with solutions that scale as needed. Modularity, flexibility and proportionality help you manage an adaptive IT business system. And, our data center designs are responsive to change – including virtualization solutions, rationalization of data infrastructure and integration of the management of IT and data center operations – for the best return on assets. With Eaton, you can rely on product compatibility with key applications from leading IT innovators including VMware, Red Hat and Microsoft, among others, to adapt your data center design to accommodate future IT technologies.

Faster time to market

Eaton has a wide portfolio of products designed for timely and error-reduced installations. Coupled with our expert data center engineers, we can help you accelerate the design, construction and commissioning of your data center at the lowest total cost of ownership. Whether in the data hall or the electrical room, Eaton solutions are designed to help increase reaction time to changing IT demands and assure predictable time to market. Our project management capabilities help you plan and deploy customized solutions, and our pre-tested and pre-fabricated subsystems enable faster installation and commissioning.

Powering medium and large enterprise, multi-tenant and hyperscale data centers around the world.



Facility power distribution:
Busway, transformers, panelboards, switchgear and floor-based power distribution



Facility/power monitoring & management:
Integrated facility systems, facility management software, remote monitoring meters and software



Monitoring consoles:
Network operations center consoles



Components for electrical and mechanical subsystems:
Variable frequency drives, compact circuit protectors, circuit breakers and fuses



Turnkey power containers:
Custom container with power distribution and backup



Power conditioning, quality, & backup:
Uninterruptible power supplies, power factor correction and automatic transfer switches



Indoor and outdoor lighting:
High efficiency LED luminaires and lighting controls



Wire & cable management:
Cable tray and modular wiring systems



Design, build, planning & support services:
Design, project management, power audits, preventive maintenance and emergency services



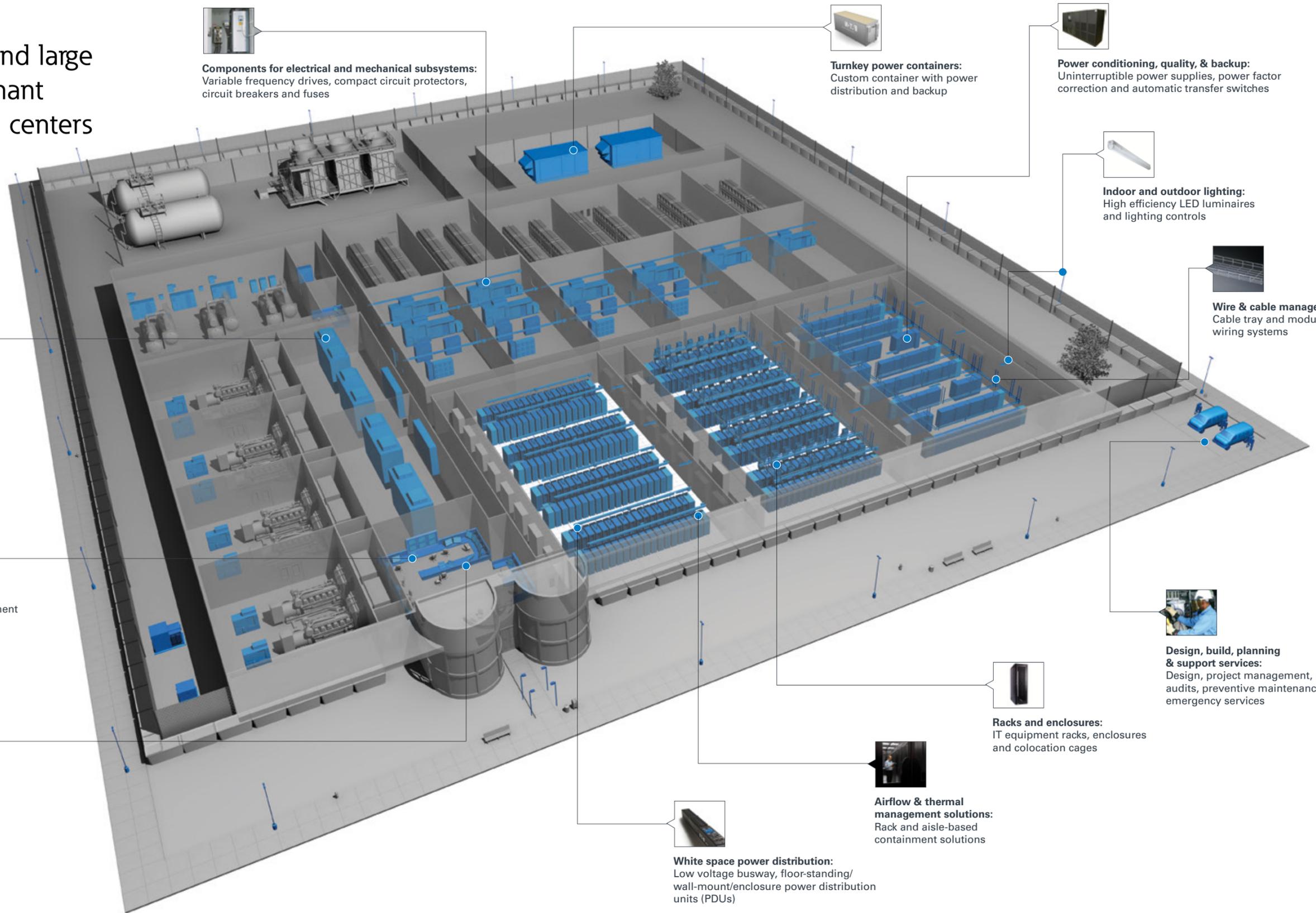
Racks and enclosures:
IT equipment racks, enclosures and colocation cages



Airflow & thermal management solutions:
Rack and aisle-based containment solutions



White space power distribution:
Low voltage busway, floor-standing/wall-mount/enclosure power distribution units (PDUs)



Data center applications

Eaton has differentiated itself in the data center industry with a commitment to customer service, a full service and product portfolio with industry-leading technology and a total lifecycle management program.



With decades of experience in the data center industry, we understand the challenges you face every day.

Small IT

We understand the challenge of organizing, protecting and managing an IT environment that may not have been designed to house your business critical assets. You need to ensure power quality, increase energy efficiency, protect and extend the life of your equipment. You must provide application availability and support cloud based architecture, virtualization, consolidation and emerging technologies. You require products and support to keep your IT systems running efficiently and without interruption despite rapidly changing technology and priorities.

Medium/Large Enterprise

We understand you have zero tolerance for risk. You demand reliability and need the assurance of redundant systems. You're continually taxed with keeping your data centers in step with the latest technologies and aligned with your business strategies. From maximizing energy efficiency to optimizing airflow management, you need to get the most out of your existing data center.

Multi-tenant

We understand the challenge of having to accommodate different business models. You need solutions for unpredictable power and cooling needs. Uninterrupted service is critical. You need to be able to scale up or down on demand. Faster time to market is everything. You need flexible, modular solutions with state-of-the-art power reliability, efficiency and control to help you meet your tenants' needs and maximize your ROI.

Hyperscale

We understand in today's environment of big data and cloud computing, you need to accommodate exponentially increasing volumes of data and demand for different applications quickly and cost effectively. And you can't afford to have growth outpace capacity. High performance computing and higher density architecture call for innovative solutions from an expert partner who can help you deploy them efficiently and reliably.



End-to-end data center solutions, from the utility input to the server outlet.



Discover how Eaton can solve your power management challenges.

Bringing your business a new dimension of expertise, customized innovative solutions and uninterrupted operations in all environments.

Eaton.com/datacenters