

Your efficient Data Center

Energy Efficiency for your data center – Application Sheet.

An efficient data center optimizes energy consumption, minimizes operating costs, and reduces environmental impact without compromising uptime.

Maintaining continuous operations is critical to your data center. At the same time, your data center may face mounting pressure to reduce energy use and environmental impact. According to research, a single data center can consume more energy than a medium-size town.

As an expert in energy efficient buildings and data center operations, Siemens understands the need to ensure uptime efficiently. Our solutions for energy efficient data centers are designed to maximize energy savings and optimize operations.

We help you:

- Optimize power consumption
- Minimize operating costs
- Reduce carbon footprint
- Optimize operations
- Maximize the lifecycle of equipment and systems
- Reach sustainability goals without compromising uptime

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Take a Comprehensive Approach

As your data center facility partner, we offer a complete approach to energy efficiency. Our comprehensive methodology ensures your entire operation is taken into account. Our process includes:

- Assessing your current operations
- Implementing energy-saving technologies
- Managing facility operations data
- Maintaining energy efficiencies

Working with you, our data center experts can implement facility improvement measures that provide immediate results and increase efficiency without compromising uptime. That includes ensuring system cooling, temperature control, and optimal airflow. We help you increase the efficiency of your data center today and in the future.



Reach Your Goals

You can reduce energy consumption and reach sustainability goals with our complete portfolio of energy-saving technologies that support system uptime and maintain optimal cooling and conditions for your IT infrastructure.

Realize significant energy savings with CRAC/CRAH optimization techniques and Siemens Demand Flow® chiller plant optimization solution. With our Datacenter Clarity LC™ DCIM platform and/or Desigo CC building management platform, you have the means to visualize and respond to energy-saving opportunities for both your facility and IT infrastructure.

From sophisticated airflow management and hot aisle/cold aisle containment; to proven heat recovery schemes; to our Desigo CC controls with user-friendly, data center-specific interfaces – we can help you reduce both operating and capital costs.

Ensure Future Sustainability

With Siemens data center services, you can continue to maximize efficiency, assure continuous uptime, and protect your investment long term. Ranging from metering, calibration, and ongoing testing to continuous commissioning programs, we help ensure performance while meeting your sustainability targets.

Our Proven Outcomes approach supports your success. We define a service program around your desired outcomes, deliver just the services you need, and demonstrate results through regular reporting.

With a comprehensive portfolio of products, systems, and services, and support from our local offices, Siemens can increase energy efficiency while ensuring maximum uptime and reliability. Backed by global resources, our local experts can provide assistance and answers every step of the way.

Highlights

- Comprehensive, end-to-end solutions including assessment, technology, information management, and service
- Market-leading expertise in optimizing buildings and data center facilities
- A comprehensive portfolio of data center building technologies, systems, and support
- Tailored solutions to meet the needs of all types and sizes of data centers

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