EnergySTEP Data Center Assessment:

Improve data center performance while cutting energy and operational costs

Your data center is complex. Is it reliable? Can it be scaled to meet the dynamic needs of your business? Will it cope under extreme circumstances? You know your data center well — its history and components, as well as its scalability and reliability challenges. But there's more to know about your data center and its physical infrastructure to help you run it more efficiently, cut costs by right-sizing the infrastructure, assess which components might be placing availability at risk, and rate it against industry best practices.

Understanding how to improve operational and energy efficiencies, and running your data center system accordingly, can have a real impact on your company's bottom line. Schneider Electric EnergySTEP™ Data Center Assessment provides a detailed analysis of your data center physical infrastructure, including power and cooling, focusing on elements that have an impact on reliability, availability, capacity, and energy usage.

Whether your goal is simply to measure your PUE and implement some low-cost changes to improve it, or to develop a comprehensive energy management strategy with short-term and long-term efficiency goals, EnergySTEP Data Center Assessment is the answer.

> ## Customized to fit your business requirements
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> Your consultant will help you select from a wide array of optional features, providing a fully customized service that meets your unique needs and fits your budget:
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> > Energy efficiency analysis
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> > Green grid data center maturity model
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> > Energy mapping to the data center rack level
>
> > Technical infrastructure detailed description
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> > Infrared thermography analysis
>
> > Data center configuration and air management
>
> > Computational fluid dynamics analysis
>
> > Reliability and availability analysis

EnergySTEP Data Center Assessment helps you identify savings opportunities and improve energy efficiency.

Schneider Electric

Comprehensive data collection and analysis by the energy experts

Comprising an on-site data collection visit, extensive analysis by an experienced energy management consultant, and a customized assessment report, EnergySTEP Data Center Assessment is an essential step toward effective and intelligent data center energy management.
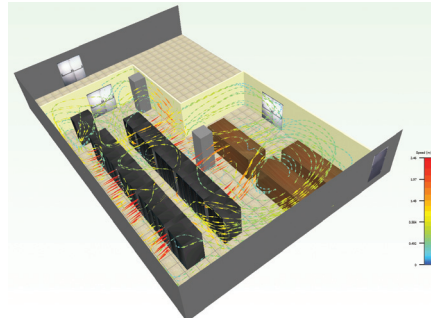
> Energy insight from the experts

EnergySTEP Data Center Assessment is performed by a Schneider Electric Energy Management Consultant. It includes data collection, analysis, and preparing and presenting your written assessment report. Your Consultant has intensive training, real-world experience, and expertise in:

> Data center power and cooling infrastructure

> Data center operations and industry best practices

> Energy management in the data center

> Data center business constraints

> Establish a baseline to measure against industry standards

Using advanced, proprietary analytical tools, your consultant will gather and assess extensive data about your data center's current performance, including:

> Airflow, power, cooling, racks, operations, and best practices

> Data to compare your data center against key industry standards (e.g., The Green Grid Data Center Maturity Model and ASHRAE).

> Components or practices that place availability at risk or cause an inefficient use of energy

Our energy management consultant will analyze airflow to determine where efficient improvements can be made.

> Clear recommendations with ROI so you can prioritize projects

Baseline data, findings, and vendor-neutral recommendations for improvements are provided in a comprehensive report that includes:

> Detailed findings, illustrated clearly with rich graphics

> Recommendations for quick and easy fixes that show immediate savings

> More complex solutions that show sustainable results

> Estimated cost, savings, and ROI for projects so you can develop a roadmap for improvements

How does EnergySTEP help optimize data center performance?

- Detect and resolve issues that affect reliability and energy usage

- Benchmark your data center's performance against industry standards (e.g., The Green Grid Data Center Maturity Model)

- Obtain clear, vendor-neutral recommendations with estimated cost, savings, and ROI

- Meet green and sustainability goals and government regulations

- Learn how to "right size" your physical infrastructure now and get help with long-term infrastructure planning

- Create a road map for improvements and obtain the resources to implement them

- Assess your data center and beyond — into your server rooms, IT gray space, building, or industrial facility

Schneider Electric
Global Marketing Communications Development

132 Fairgrounds Road, West Kingston, RI 02892 USA
Phone: 00 + 1 + 800 788-1704 • Fax: 00 + 1 + 401 788-2782
www.schneider-electric.com

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