

Electricity as a Single Manageable Entity

HIGHLIGHTS

Examine power infrastructure for a safe, reliable and efficient environment

Eliminate power disturbances that can impact your business

Efficient solutions for today's data center to meet current data center equipment needs as well as future growth

Expert consulting from a company with extensive knowledge of HPC environments

SGI® Power Distribution Assessment

Productivity losses from power outages and power quality issues are astounding. The price of continuity disruption is huge and major safety issues can be present. Regardless of the industry, every enterprise needs to find a better way to manage its electricity. SGI's Power Distribution Assessment, in partnership with Eaton® Corporation, can help.

Electricity is the critical entity that sustains all activity within a facility. This electricity is a single system sourced, managed, monitored, maintained, and evolved as a unit unique to every enterprise. By examining and managing your power infrastructure, you can expect greater reliability, cost efficiencies, effective use of capital, and a safer environment.

Minimize Risks and Reduce Costs of Power Disruption and Inefficiencies

Effective management of electrical systems is critical to the success of business and facilities. Electrical problems can seem overwhelming. And it can be costly and difficult to design a system that predicts failure and minimized risk. The Power Distribution Audit from Eaton and SGI is a breakthrough advance in electricity management. It can help you in 3 key areas:

- **Reliability:** Downtime can severely affect your business and downtime from power disturbances can be minimized. The Power Distribution Audit identifies area of risk and delivers recommendations that will reduce downtime.
- **Safety:** Contact with energized electrical components and the more potentially dangerous arc flash can cause serious injury or even death. Losses can be devastating. Our expertise in this critical area ensures you stay in compliance and your workers



stay safe.

- **Energy Efficiency:** Cost of electricity is based on usage, demand, and available supply. Looking at power from a system wide approach will address all decision points and life-cycle impacts to the power chain.

By examining and managing the power infrastructure as a single entity, you can expect greater reliability, cost efficiency, and effective use of capital in a safe environment. SGI's Power Distribution Assessment will position you for a data center that meets your user and operational business requirements.

SGI® Power Distribution Assessment

www.sgi.com/products/services/professional

Complete Service

SGI's Power Distribution Assessment follows a phased approach.

- What you do: Have a preliminary meeting to discuss your potential power quality, energy management, and electrical safety concerns.
- What we do: Analyze existing system data, electricity usage, and power quality issues.
- What can you expect: A detailed engineering summary and evaluation of your electrical system along with ROI evaluations for suggested solutions.
- What will we deliver: Energy management solutions.
 - A detailed plan to ensure compliance with safety standards.
 - A detailed engineering report with conclusions and recommendations.
 - A report presentation to you and your staff with a post-audit review in approximately 3 months.

A Proven Delivery Methodology

SGI's Power Distribution Assessment relies on a proven methodology that applies data center industry best practices at every level in the process.

An Unmatched Set of Resources

SGI Offers:

- A comprehensive service for assessing the power infrastructure in the data center
- A packaged assessment service to quickly assess and provide recommendations for efficiencies
- Deep technical knowledge in high-performance computing combined with extensive experience in designing and delivering data center environments

To learn more

For more information about SGI's Power Distribution Assessment and other services in SGI's portfolio of Professional Services, contact your SGI representative or visit www.sgi.com/products/services/professional.

Successes

Solving High Energy Bill Issues

As part of a data center move and expansion, a Bay Area high tech company wanted to examine overall power issues to prepare their new facility. Issues such as low voltage and insufficient electrical circuits were uncovered as part of the Power Distribution Assessment. In the comprehensive report delivered as a result of the assessment, the recommendations were implemented to prepare the facility prior to the move. Items such as an upgrade from the utility company helped for a seamless move.



SGI Professional Services delivers a unique convergence of technology, innovation, and expertise for exceptional business results

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