CRITICAL POWER

# Power Quality Audit and Environmental Analysis

## ABB Electrification Industrial Solutions

ABB's Critical Power business provides mission-critical customers such as data centers, healthcare facilities and telecommunication networks with end-to-end product and service solutions to ensure power quality and maintain uptime to crucial equipment during power disturbances and outages.

**Who We Are**

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**What We Do**

ABB's Critical Power business offers a single power solution provider, from design to installation to after-market services, to meet increasing demands for reliable, uninterrupted power.

- Power Switching
- Uninterrupted Power Supplies (UPS)
- DC Energy Systems
- Embedded Power

**Why We Are Different**

ABB's Critical Power business ensures the industry's best customer experience built on a foundation of world-class operations.

Understanding the quality of power servicing your equipment as well as the environmental conditions in your facility can be crucial to your business. Keeping your equipment energized with optimal power and operating environments will help maximize performance and efficiency. Our power quality audit & environmental analysis services will decrease equipment failures and extend the longevity of your infrastructure.

- Peace-of-mind that your facilities power and environmental conditionals are operating at optimal performance
- Industry leading monitoring equipment and reporting capabilities
- Keep company staff focused on strategic efforts while our experts perform the audit analysis
- Flexible options available to meet your specific facility requirements and budgetary need

## Facts

Cost of downtime is in the billions of dollars annually. 9% of corporations estimate the costs of downtime to be over $50,000 per hour.

Measuring power quality requires a complex data acquisition tool due to the inexpensive meters being too slow for today's computers. Hand-held meters and other low cost measurement tools offer only a limited range and often indicate that the site is good when in reality it could be costing money.

Customer's power, grounding and HVAC systems are rarely properly prepared for today's computer-based systems and once the systems are installed, they believe that the manufacturer has assumed the responsibility to make the system work.

The typical cost of a "no-trouble-found" service call is estimated at $1,200 (not including the lost opportunity costs). Often, many field service engineers replace good circuit boards only because they don't know what else to do.

The typical cost for a detailed power survey using sophisticated test equipment usually costs over $3,500 per site.

Contact us:
For more information, email us at service-ups@abb.com and visit us on the web at new.abb.com/contact-centers

ABB Industrial Solutions SA
Via Luserte Sud 9
6572 Quartino, Switzerland

**abb.com/ups**



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