IT Systems Energy Efficiency Assessment

Reducing the environmental demand of IT

Offering Highlights

- ***Investigates and analyzes a client's IT power, cooling and space utilization***
- ***Can develop a solution that reduces power, cooling, and data center space required by IT***
- ***Considers capacities or constraints of client's facilities***
- ***Outlines strategy to help achieve client's goals***
- ***Typically completes in 2-3 weeks***
- ***Leverages IBM's Systems and Technology Group (STG) Lab—experts in the optimization of systems power, thermal, and space.***
- ***Attractively priced***

Achieve More with Less Power

Many data centers have hit or are approaching their maximum power limits, and are expansion constrained. By utilizing proven IT optimization methods, this rapid assessment will provide steps that can dramatically improve the ability of a datacenter to deliver workload and performance, while using less power, cooling resources and data center space.

This improvement in IT efficiency can help clients grow within their existing datacenter constraints. This assessment and strategy is very attractive when compared with other expensive and long lead time options for relocating or building a new data center.

The assessment is performed by teams of IBM professionals with deep skills in IT optimization methods combined with professionals with deep skills in IT and facilities power, cooling resources, and data center space.

Offering Description and Value

The assessment analyzes existing IT systems and provides guidance and strategies to achieve required IT workload and performance with less power, cooling resources, and data center space requirements.

This often allows the client to grow within the power constraints of an existing data center, and avoid or delay the expense of data center expansion or relocation.

The reduction in power, cooling resources, and data center space required to achieve computational workloads provides for reduced energy operating expenses. Also, some utilities provide attractive incentives for projects that reduce power consumption.

The Project

This assessment rapidly analyzes clients IT systems and facilities parameters and then formulates strategy to reduce power consumed by IT.

Typical Project Tasks

1. *Agree upon scope / resources / on site-site schedule*
2. *Baseline collection of IT systems information / survey estimations*
3. *Outline possible technical solutions*
4. *Develop recommendations*
5. *Deliver assessment report*

Project Prerequisites

This assessment requires client IT executive and client facilities executive sponsorships.

Who We Are

STG Lab Services is one of the fee service organizations of IBM's world renowned Systems and Technology Group development labs. Through STG Lab Services you can bring the expertise of the development community on the latest technologies to your enterprise.

STG Lab Services can help you with your most difficult technical challenges. STG Lab Services exists to provide you with successful implementations of emerging technologies to help accelerate your investment ROI and help increase your satisfaction with IBM hardware.

For More Information

To find out more about the IT Systems Energy Efficiency Assessment and other related products and services, contact IBM STG Lab Services at datacntr@us.ibm.com.

IBM Corporation
Route 100
Somers, NY 10589
U.S.A.

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