

# Active Energy Manager Implementation Jumpstart

## Tracking power consumption of your IT equipment



### A Turnkey Solution for Energy Management

AEM provides IT and facility managers the ability to cap power usage, prevent cost overruns and monitor energy usage trends. This enables and supports better planning before workloads are deployed across multiple platforms in their data centers. This service provides the expertise and experience of STG Lab Services to speed up the analysis and deployment of AEM as well as transfer key skills to the IT and facility management staffs.

### Offering Highlights

**IBM Systems and Technology Group (STG) Lab Services can provide implementation services to help you install, configure, and exploit the capabilities of the Active Energy Manager™ (AEM) and IBM Systems Director on IBM System i™, System p™, System x™, midrange System Storage™, IBM System z™ and BladeCenter® environments.**

**The key benefits and features of this offering may include:**

- **Data Center Power and Cooling Assessment**
- **Installation of IBM Systems Director, User-to-Director Console, AEM Extensions, and User-to-AEM Console for IBM IT equipment**
- **Configuration of AEM agents for up to four customer selected, IBM supported devices**
- **Hands-on training**

### Offering Description and Value

STG Lab Services has integrated its “Power/Cooling Trends and Data Center Best Practices” offering with IBM Systems Director and AEM to deliver a turnkey solution for IBM IT equipment supported by AEM. This “jumpstart” engagement can help show your team how to manage actual power consumption that affects the thermal load IBM servers place on data centers. Your team can develop the skills for leveraging recommended best practices to roll out similar equipment into production quickly.

## Typical Project Tasks

An AEM engagement may include:

- *A review of the client's data center floor plan, mechanical and electrical drawings.*
- *A review of the existing data center, including a pain points discussion of the central utility plant and site.*
- *A tour of the raised floor facility*
- *An assessment of existing equipment that can be configured and customized within AEM.*
- *Installation and configuration of IBM Systems Director*
- *Installation of the client's supplied User-to-Director and User-to-AEM consoles*
- *Installation, configuration, and customization of up to four (4) AEM Extensions agents*

Off-site preparation/customization and follow-up may include:

- *Overview of IBM Systems Director architecture and Active Energy Managers related to power monitoring, power capping, power and savings capabilities*
- *Overview of power and cooling trends and data center best practices*
- *Planning and installation*
- *Installation and configuration of IBM Systems Director server and agents with AEM extensions*
- *Implementation of one or more of the following power features supported by selected IBM systems and devices:*
  - *Power trending*
  - *Thermal trending*
  - *CPU utilization trending*
  - *Power savings*
  - *Power capping*
  - *Oversubscription*
  - *Processor nap*
- *Follow-up and solution assurance*

## 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 IBM Active Energy Manager Implementation Jumpstart and other related products and services, contact IBM STG Lab Services at [datacntr@us.ibm.com](mailto:datacntr@us.ibm.com).



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