



Electronic Environments—Your Data Center Experts

Data Center Assessment Services

Proactively Manage Power & Cooling

Purpose of an Assessment

Ensure reliability & extend service life by inspecting the operating condition of critical power and cooling systems

Evaluate your data center's infrastructure capabilities and ability to support long term business needs

Collect & analyze power & cooling utilization data to provide a clear understanding of your data center's resiliency

Make the Most of Your Facility and Infrastructure

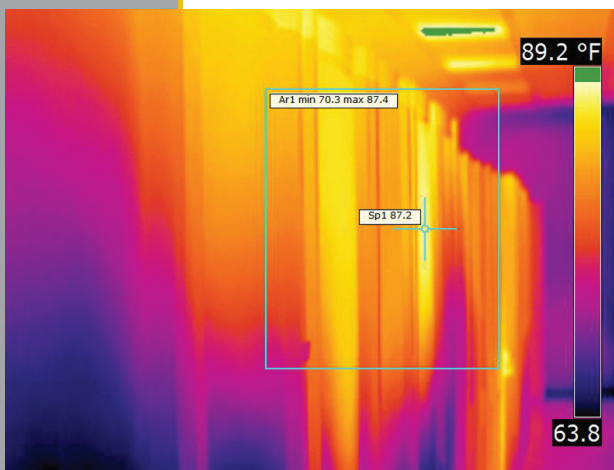
Today your IT organization is facing a multitude of challenges, including increasing workloads, evolving technologies, aging data centers, rising energy prices, and increased environmental awareness. In many data centers, the power and cooling infrastructure has not kept pace with the dramatic changes in the IT environment.

By proactively managing power and cooling systems, you can **improve reliability, reduce energy costs and make the most of your existing facility and infrastructure.**

Electronic Environments Corporation (EEC) can deliver the assistance you need. Our data center assessments provide detailed information about your data center power and cooling infrastructure condition, utilization levels and performance capabilities.

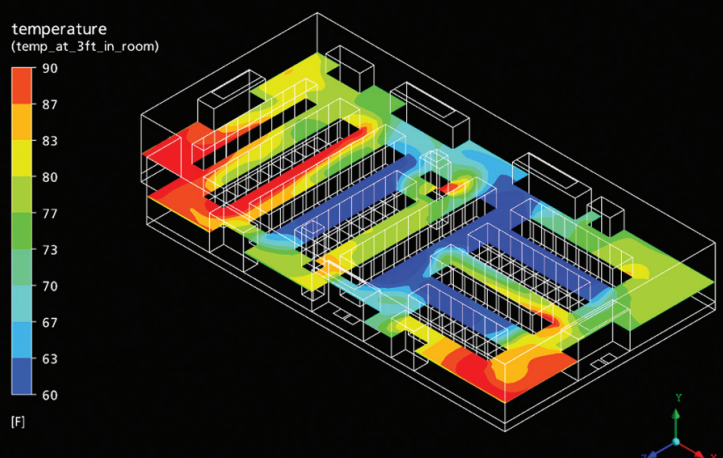
EEC's data center experts will:

- † Configure service modules to provide an assessment package tailored to your business needs
- † Establish a power and cooling capability baseline
- † Provide utilization information relative to critical infrastructure capacity
- † Note data center electrical and mechanical equipment operating conditions
- † Review critical infrastructure maintenance programs
- † Identify cooling inefficiencies and offer energy savings opportunities
- † Deliver a comprehensive report that provides solution options to data center inadequacies as well as strategies to extend data center service life.



The image on the left indicates 89 degree rack inlet. Cause: Recirculation of hot air due to lack of blanking panels.

The image below is a CFD analysis of room temperatures at three (3) feet in the room.



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