

# Data Center Baseline Cooling Assessment

*A baseline thermal assessment of IT equipment cooling to identify problem areas and compare cooling capacity with current and future IT power load.*

## Features

- Verification that the client data center has adequate cooling capacity for present and future IT plans. Reports current cooling capacity vs. current or planned IT equipment power demand by measurement and analysis of data center IT and cooling systems.
- Identification of thermal problem areas within data center via assessment using handheld, quantitative devices, backed by analysis of thermodynamic data.
- Quantification and comparison of current data center cooling capacity vs. current and planned IT equipment power load.
- Assessment of data center equipment cooling capacity with respect to IT equipment reliability and potential equipment failures along with future IT systems deployment.
- Recommendation of possible mitigation steps and actions to address thermal issues based on industry best practices.

## Typical Benefits

- Deferral of major capital expenses incurred with increasing data center cooling capacity while still achieving adequate cooling for current and planned IT infrastructure.
- Understanding of data center operation by quantification of data center cooling capacity in relation to data center IT equipment power load.
- Explanation and documentation of thermal problem areas as well as mitigation steps to resolve problems within identified thermal areas of concern.
- Reliable data center operation within recognized industry best practices and recommended cooling conditions.

### Why IBM®?

- **Deep skills in data center operations and planning.**
- **Deep skills in IT and data center power and cooling**
- **Insight into industry trends and opportunities**
- **Leadership on the critical issues surrounding power, cooling, and energy efficiency**