

Liebert Data Center Assessment Benefits / Features Matrix

<i>Features</i>	<i>Reliability</i>	<i>Flexibility</i>	<i>Total Cost of Ownership</i>
On-Site Thermal Assessment	Identifies unwanted hot spots to avoid degradation of equipment and critical data.	Enables customer to more effectively configure their computing and infrastructure equipment to maximize cooling effectiveness and efficiency.	Reduces operating costs of computer support equipment by employing recommended strategies.
On-Site Electrical Assessment	Ensures the proper capacity of your electrical systems and the quality of power feeding those systems.	Allows customer to achieve infrastructure flexibility in the future through easier redeployment and/or installation of power protection and distribution systems.	Reduces operating costs by allowing more efficient use of existing power equipment and better planning for future purchases.
Floor Plans and Equipment Lists	Shows location of existing equipment, server racks and airflow obstructions to help optimize data center layout for enhanced performance and dependability.	Allows for better planning and allocation of existing equipment as well as a guide for further purchases.	Allows most efficient use of support equipment in order to maximize availability and reduce operating costs.
Computational Fluid Dynamics Report	Displays airflow characteristics of the critical space in 3D to help better understand where and why hot spots are present and to show customers the effects of under floor obstructions on airflow. Visually depicts the heat-related risks in the customer's facility and allows you to demonstrate the impact of our recommendations on system performance.	Shows how various rack and equipment placements within the data center can affect cooling patterns, allowing the selection of the most optimum configurations.	Enables proper specification and placement of cooling equipment to maximize efficiency and reduce operating costs.
Assessment of Potential for Equipment Expansion	By comparing equipment heat and power loading with the cooling and power capacity, we can determine what is needed to assure reliability as the data center expands.	Shows the best ways to support future power and cooling requirements in the data center under a variety of growth scenarios.	Enables the customer to purchase what is best suited to the future requirements as mapped out by the assessment.
Comprehensive Review of Report Findings	Provides a true picture of data center infrastructure — identifies problems to improve availability.	Provides benchmark for future data center infrastructure changes.	Allows the customer to upgrade and expand power and cooling systems in a more planned, cost-efficient and effective manner.