



Alliance Technology Group is pleased to now offer complete Eco-Assessment Services. With energy prices on the rise, re-assessing the amount of energy used and emitted from your environment is the right thing to do. By re-evaluating your infrastructure, Alliance, partnered with Sun Microsystems Services, will pin point the areas that are costing you bundle to run and manage, and work with you to create the best solution product to optimize energy usage, to put money back into your pocket.

Basic Option

The Eco Assessment Service for Datacenter, Basic option covers a targeted group of hardware and is designed to maximize power and cooling efficiency in the IT infrastructure running web-based services.

Advanced Option

Eco Assessment Service for Datacenter, Advanced option covers components in the entire datacenter. The offering provides a comprehensive environmental analysis, focusing on factors that could affect cooling efficiency, space utilization, and power consumption and computer systems availability. The Advanced option includes measurement and evaluation of power, space and cooling factors in key areas throughout the datacenter.

Features & Benefits

Features	Benefits
Project plan with existing conditions related to cooling usage and practices	Illustrates how cooling, space, and overall power usage can be applied to improve efficiency throughout the entire datacenter
Site visit to collect information for conducting the evaluation	In addition to collecting data, consultants can make direct observations and recommendations for improvement of the infrastructure
Improvement plans for short-term optimization and long term improvements	Provides the customer with facts based on industry standards and best practices Identification of opportunities for enhancement
Analyze data and prepare graphical report with report on work elements, findings and observations	Actions based on field-proven best practices. Facilitates communications between groups
Conducts technical evaluation of data center cooling and energy usage	Lower operational costs to optimize energy budgets

Key Focus Areas of Service Offering

General Site Data & Future Planning:

The first step in addressing issues with facility inefficiencies is to understand the current state of your environment. Sun and its partners will conduct a visual examination leverage datacenter best practices, review monitoring capabilities to identify areas of improvement and create future plans.

Cooling & Air Distribution:

Maximize utilization of current resources versus investing in new technology. Includes reviewing temperature humidity and relatively of the room, hardware, and data logging; environmental support equipment design and installation assessment; perimeter integrity inspection; and contaminant source inspection.

Energy Distribution, Usage & Quality:

Ensure that energy usage and cooling capacity being provided to the power is appropriate and reliable. Service includes electrical and load calculations, electrical infrastructure and grounding review, power quality measurements, and actual equipment power consumptions.

Space & Rack Utilization:

Review of all cabinet/rack design and placement assessment, high density areas, and heat density calculations.

The Eco Assessment Service for Data center is delivered using proven best practices and methodologies which are non-disruptive to the data center. All testing is in compliance with standards and regulations. The service includes an on-site visit to the customer's facility.

The Eco Optimization Service for Datacenter provides periodic site assessments, cooling optimization support and remote technical support for issues that arise in a complex and dynamic facility. The comprehensive service helps customers plan for long-term changes to their data center infrastructure while keeping up-to-date with industry changes and new energy-efficient technologies.