

Management of an ever-changing data center landscape is a challenge for both IT and Facilities staff. Constant evolution of server and device technology, coupled with the corporate requirements for increased availability and redundancy, strains the physical infrastructure. Increased power, cooling, and back-up requirements are forcing customers to acutely focus on aspects of capacity planning and tier levels for their current and future data center needs.

Proper planning requires significant data gathering and assessment. Current capacity and growth capability must be benchmarked in order for Corporate IT Management to make critical decisions regarding expansion or new build.

We ease the resource burden required to gather, assess, and present the data in a usable format through value-added consultative services. Our comprehensive offering is affordable and professionally presented to help make tough decisions easier.



www.abacus1.com
888.222.2871 (phone)
805.435.0346 (fax)
info@abacus1.com

Data Center Services

Identify & Remedy Critical Conditions

Data Center Health Check

Our assessment of current data center “health” establishes benchmarks for capacity planning and growth considerations.

- Is your data center “healthy” enough to bring in new technology?
- Are you under-cooled, over-cooled, or just right?
- Do you have enough available power to handle growth plans?
- What is causing hot spots and how can they be cured?

A data center walkthrough and in-depth interviews with key IT and Facilities staff allow us to provide a Scope of Work. The Scope of Work contains a detailed diagnoses of existing conditions, as well as capacity planning details, facilities utilization/health, security policies, monitoring, power, and cabling infrastructure. We detail all aspects of the project, including, pricing, staffing, and project time lines. Computational Fluid Dynamic (CFD) studies and/or detailed Asset Lists can be incorporated into a Data Center Health Check.

Computational Fluid Dynamics (CFD) Study

Proper analysis of data center air distribution is critical but can be difficult and time consuming to perform. Our CFD study reduces the burden while providing detailed thermal modeling information of the airflow and temperature patterns that exist within your environment. Each CFD is modified and remodeled several times to insure that the best possible recommendations are given. With a CFD Study you see the value of recommendations prior to implementation.

Asset Discovery and Planning

In the ever-changing data center environment it is critical to know exactly what equipment is being implemented and where. With a detailed Asset List you can track and maintain all of your equipment in an organized and complete manner. The asset list provides detailed information on each device such as power draw, BTU output, serial number, date commissioned, and much more.

Design and Build

Let our expert personnel and design/build partners provide you with a data center that will stand the test of time. With a combined 40 years experience in the data center, our experts will design and construct the ideal data center to suit your needs and keep you within budget. Based on your specific requirements, our unique and effective process details the benefits of retrofitting, new build, or outsourcing.

Factory and On-Site Integration Services

Our cost-effective solutions manage the complexity of implementing new technology while reducing operational costs. These services speed installation and ensure rapid access and availability to mission critical applications. Our professionally trained and certified integration team ensures your enclosures and integral infrastructure technologies are properly installed and operating efficiently. Factory Services include complete cabinet pre-installation of power, cabling, monitoring, and access/control devices. On-Site Services include cabinet installation, technology integration, connectivity, and training.



Data Center Services Matrix

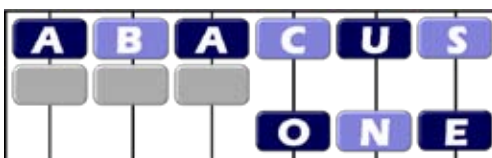
Key Elements	Design/Build Assessment	Data Center Health Check	CFD Study	Asset Discovery
Thermal Load Calculations	X	X	X	X
Conditioned Air Delivery and Capacity	X	X	X	
Under Floor Air-Flow Analysis			X	
Above Floor Air-Flow Analysis			X	
By-Pass Airflow Analysis		X	X	
Overall Power Delivery, Protection	X	X		
Rack-Based Power Distribution	X	X		
Mechanical Infrastructure	X			
Environmental Monitoring	X	X		
Fire Protection Systems	X			
Building Architecture / Structural Ceiling, Roof, Walls, Structural Floor	X			
Building Monitoring	X	X		
Data Center Layout and Design	X	X	X	
Raised Floor Design	X	X	X	
Aspects of Physical Threat and Overall Security Policies	X	X		
Rack-Based Device Access, Control, and Management Methodology	X	X		
Rack-Equipment Details/Inventory				X
Tiering Analysis and Recommendations	X			

What are the conditions in your Data Center?

Critical

Caution

Acceptable



COMPUTER SUPPLIES, INC.

www.abacus1.com
 888.222.2871
 805.435.0346 (fax)
 info@abacus1.com