

Uptime Institute Professional Services delivers consulting services based on the Uptime Institute's intellectual property, including Certifications to the Tier Classification System and Operational Sustainability.

The Computer Room Environmental Audit is Uptime Institute Professional Services assessment of the power and cooling infrastructure that directly supports the computer room environment. This assessment documents hot spots and other deficiencies that inhibit proper cooling of IT equipment, the general health of the computer room environment, and the existing procedures and processes required to deliver stable and predictable cooling. The audit identifies how to resolve cooling issues, where the cooling capacity of the computer room can be recovered at relatively low cost, and recommends detailed and methodical steps to eliminate hot spots and make cooling capacity available for expanded support of IT equipment.

Since Uptime Institute Professional Services is an independent, third-party consulting firm with no vendor affiliation, the Computer Room Environmental Audit report provides our clients with an objective roadmap for improving cooling efficiencies.

On-Site Inspection

Our team of consultants gathers data over a period of two to five days in order to review various components of the computer room environment, including but not limited to:

- Electrical Capacity vs. Mechanical Capacity at the computer room level
- Computer room static pressure and capacity delivery
- Identify procedures and processes that may impact computer room cooling

Measurements and data recorded on site:

- Air handling unit capacities
- Computer room temperatures
- Computer room relative humidity
- Server rack inlet temperatures
- Static pressures beneath raised floor
- Perforated tile volume measurement
- Mechanical equipment nameplate data
- Cooling capacity and demand will be correlated to computer room IT load

Final Report

The final report is delivered three weeks after the completion of the on-site inspection:

- *Executive Summary* presents significant findings and recommendations in context of site availability objectives
- *Recommendations* are documented to address *Deficiencies*
- Color photographs of *Best Practices* and *Lurking Vulnerabilities* are published

Principal Consultant formally presents findings to client subsequent to final delivery of report:

- Provides clients an opportunity for management-level feedback after receiving report

Why Uptime Institute Professional Services?

- FIRST & ONLY to consult and Certify to the Tier Classification System
- DATA CENTER SPECIALISTS serving those organizations with the highest uptime requirements
- NON-BIASED, vendor-neutral, 100% customer-focused *leading-edge* support
- REAL EXPERTISE from consultants with 30+ years of 'hands on' data center operations experience
- SINGULAR ACCESS to world's largest database on *why* things go wrong

Uptime Institute Professional Services is a data center engineering and management consulting firm whose mission is to work with clients to ensure data centers are managed for uninterruptible uptime over sustained periods. Uptime Institute Professional Services consultants and licensed engineers have backgrounds in data center operations and function as an outsourced C-level infrastructure expert to clients, providing Principal-level consulting and education to clients during any stage of a project.

Uptime Institute Professional Services consultants comprehensively evaluate existing data center facilities by documenting risk factors for an outage as well as recognizing best practices. The firm's consultants also collaborate on major data center construction projects and operations management. Uptime Institute Professional Services consults and Certifies to the Tier Classification System as part of data center sustained availability efforts.

Independent of any Engineer-of-Record or manufacturer affiliation, Uptime Institute Professional Services consulting teams help clients develop and execute solutions that are responsive to their unique business needs. Since 1985, Uptime Institute Professional Services has guided and justified data center investments for major organizations that require high levels of continuous availability to conduct business.