

Panduit's Physical Infrastructure Evaluation provides analysis that helps you make **informed** decisions about your physical infrastructure's **readiness to support** future technology and to **optimize** your current data center operations.

To understand the health of your data center, Panduit's Physical Infrastructure Evaluation provides a thorough on-site appraisal of 7 key systems, 20+ sub-systems and 140+ detailed areas based on industry standards and best practices. The evaluation rates the current health of your data center, its readiness to support future objectives, and how it compares with your peers' data centers as well as remediation steps to optimize your physical infrastructure.

Benefits

- Prioritizes the most important areas for remediation that will provide the highest return-on-investment (ROI)
- Identifies physical infrastructure issues before planned upgrades, when remediation is much less expensive to implement and has less impact on deployment schedules
- Pinpoints specific issues affecting cooling performance so you can take corrective action to improve efficiency and reduce costs
- Detects issues that can cause premature equipment failures, which can jeopardize Service Level Agreements (SLAs)
- Assures that your physical infrastructure supports maximum network performance and reliability for current and future operations

Highlights

- Provides a thorough appraisal and rating of 7 key systems, 20+ sub-systems, and 140+ detail areas
- Recommends detailed, actionable remediation plans, optimization activities, and upgrade strategies
- Provides current, future state, and benchmark ratings
- Highlights potential areas for equipment failure
- Pinpoints specific issues affecting cooling performance and actions to improve energy efficiency
- Identifies areas not in alignment with technology refresh initiatives

Use This Service to

- Prepare for an event, such as a technology refresh, that will result in a higher density of equipment
- Plan for an expansion or other project that will have significant impact on your data center
- Prioritize the remediation of issues in your data center
- Determine if your physical infrastructure meets your objectives
- Save energy by pinpointing hot spots and recirculation issues affecting cooling performance

Deliverables

A report that details the health of your data center, which can be used as justification for funding remediation, optimization, and upgrade activities.

The report provides:

- An evaluation of your data center's alignment with industry standards and best practices
- Remediation steps to optimize your physical infrastructure
- Benchmark evaluations that compare your data center with your peers' data centers

Physical Infrastructure Evaluation

Areas of Assessment

Thermal Performance and Airflow

Identifies problematic hot spots with thermal imaging and evaluates your thermal management based on American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) guidelines and industry best practices

Power

Identifies room, row, and rack-level power issues based on tier rating and high-density requirements

Racks and Cabinets

Evaluates physical layout and ability to house, manage, and support high-density, high-performance networking, computing, and storage equipment

Cabling

Evaluates readiness for upgrades and the ability to support dynamic Moves, Adds and Changes (MACs)

Pathways

Reviews the physical routing of network connectivity throughout the data center and the ability to support future build-outs

Telecommunications Grounding (Earthing) and Bonding

Evaluates TIA-607-B compliance, from room to rack to IT equipment, to ensure that equipment and personnel are protected

Labeling and Administration

Evaluates labeling for compliance with TIA-606-A standards to ease MACs troubleshooting and maintenance

Service Delivery

During the on-site assessment, a Panduit Advisory Services solutions architect will evaluate your current data center environment based on industry standards and best practices, assessing a representative sample of racks large enough to provide data for a solid analysis of your physical infrastructure. This information will be analyzed to determine if your physical infrastructure:

- Is optimized to support your current network operations
- Will support your future objectives

Via WebEx, we will provide you with an interpretation of our findings, our recommendations for remediation, and the next steps.

Lifecycle Services

A Physical Infrastructure Evaluation provides a good baseline for any data center. We also offer:

- Customized assessment, design, and implementation services based on your specific goals
- Regularly scheduled Physical Infrastructure Evaluations to ensure that your data center's performance remains optimized
- Specialized data center physical infrastructure assessments that provide a more detailed investigation of issues identified during a Physical Infrastructure Evaluation.

Technology is **constantly** evolving.
Is your physical infrastructure **flexible, scalable** and agile enough to **adapt?**

Want to know more? Contact your Panduit Sales Representative or visit www.panduit.com/services.

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Unified Physical Infrastructure



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