SHI

Data Center Infrastructure Site Survey

Identify, remediate, and protect your infrastructure.

FREE	**NO LIMITATION**	**$1500 VALUE**
customer onsite infrastructure survey	of site footprint size or number of facilities	No cost to SHI customers

The cost of an IT infrastructure outage can be up to **$100,000 per hour**. The price of critical application failure? Between **$500,000** and **$1M per hour**.

Assess your infrastructure and hosting environment for your critical business applications with SHI's Data Center Site Survey.

Our service provides actionable steps for risk mitigation, performance optimization, reliability, redundancy, and resilience under stress. That means you'll be protected from potential damages and losses caused by an outage, such as:

- Revenue, data, or productivity loss.
- Reputation damage.
- Deterioration of competitive advantage.
- Security breach.
- Cost of recovery.
- Penalties and legal exposure.

SHI's Data Center Site Survey includes:

1 **On-site walk-through** of your IT environment and a physical inspection of your Main Distribution Frame (MDF) to identify dust, debris, damage, loose parts, overheating, potential risks, or single points of failure.

2 **Power supply utilization review**, including current and future power consumption requirements and capacity.

    a. Power supply and grounding – This ensures the MDF has a stable power supply by checking the power distribution units (PDUs), uninterruptible power supplies (UPS), and equipment grounding.

    b. Backup generator – During inspection, we check the backup generator systems to make sure they are in good condition and working effectively in case of a power outage.

3 **Load calculations and estimation** with your current equipment, plus a forecast of the new infrastructure's impact on your current data center environment.

4 **Equipment inspection, ventilation, and cooling** to ensure proper function, airflow, and heat dissipation.

> **a. Infrastructure inspection –** We check for wear and tear across servers, switches, and routers, ensuring all devices are properly mounted and secured.
>
> **b. Ventilation and cooling –** This inspection prevents overheating by confirming the ventilation and cooling systems are functioning efficiently.
>
> **c. Cable management –** We inspect the status of your cables to make sure they're correctly labeled, securely connected, and organized in a way that does not impede airflow or access to other components.

5 **Security audit, documentation, and compliance review** to meet business continuity, regulatory, and industry standards.

> **a. Security –** This physical inspection of locks, access logs, and surveillance systems ensures only authorized personnel can access the MDF.
>
> **b. Documentation and compliance –** Confirm your MDF meets industry standards, regulations, and ISO certifications with up-to-date documentation.

6 **Monitoring and reporting functionality review,** making sure your MDF environment has the software to identify and alert you to operational risks and potential outages.

While you're doing your diligence, keep doing your part by staying sustainable!

SHI Sustainability Assessment

- Identifies areas of improvement by evaluating your power, cooling, and infrastructure environment

- Adopts a holistic approach that takes into account various data centers, IDFs, and MDFs to form a comprehensive strategy

- Deploys new technologies from our partners that align with your objectives, resulting in process improvements and cost savings

To inquire about the **FREE** on-site SHI Data Center Site Survey, contact our experts today at Power@SHI.com.

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