

Data Center Technical Audit & Assessment
(A 3-day Instructor led Program)

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Training Summary

Global Solution Partners LLC is pleased to deliver a comprehensive 3-Day Program on “Data Center Technical Audit & Assessment” for your organization.

This three-day, **Instructor led** training is designed for ~8–10 participants (IT staff, managers, general professionals) seeking to enhance organizational efficiency by aligning with Vision 2040. This hands-on program bridges theoretical standards and real-world audit practices, enabling participants to plan, execute, and manage comprehensive technical audits in mission-critical environments.

Learning Objectives

By the end of the program participants will be able to:

- ✓ **Build audit competence** — Equip participants with technical and analytical skills to perform complete data center audits.
- ✓ **Understand Audit Impact** — Develop understanding on the requirement of constant audit and gap assessment on critical infrastructure
- ✓ **Apply practical instrumentation** — Provide hands-on exposure to industry tools (Fluke Power Analyzers, Thermal Imagers, Anemometers, etc.).
- ✓ **Assess risks and SPOFs** — Identify risks , single points of failure and critical vulnerabilities in electrical and mechanical systems.
- ✓ **Frameworks & Collection** — Learn on creating the necessary frameworks of data center audit for collecting data
- ✓ **Structure Audit Process and Documentation**— Apply structured audit methodologies, teamwork, and learn of documentations

Course Curriculum and Learning Outcomes

Day	Focus Area	Topics & Activities	Learning Outcomes
Day 1	Foundations of Data Center Auditing	<p>Introduction</p> <ul style="list-style-type: none"> .Course introduction, objectives, and importance of audit .Defining audit scope, methodology, and team roles .Methodology and Approach of Audit <p>Data Collection</p> <ul style="list-style-type: none"> .Understanding Instrument & Measurement .Understanding frameworks .Site engagement 	<ul style="list-style-type: none"> .Understand audit fundamentals and compliance frameworks .Define comprehensive audit scope and process .Identify correct audit tools and interpret measurements .Understand basics of data collection
Day 2	Technical Deep Dive – Electrical, Cooling & Safety Audits	<p>Assessment-1</p> <ul style="list-style-type: none"> . Recap of Day 1 . Basic assessment at site on day 1 <p>Practical at Site</p> <ul style="list-style-type: none"> . More on Data Collection . Design Gap Analysis 	<ul style="list-style-type: none"> . Reinforcement of day 1 learnings . Understanding DC designs parameters . More data collection on all instruments . Understanding Gap Analysis
Day 3	Analysis, Reporting and Certification	<ul style="list-style-type: none"> . Recap of Day 1 & Day 2 . Basic frameworks of Analysis . Studying the gap between AS IS and To BE . Report preparation approach . Certification Exam 	<ul style="list-style-type: none"> .Learning basic analysis of data .Compile professional audit reports .Demonstrate end-to-end audit execution and teamwork .Present findings confidently to management .Validate knowledge through quiz and feedback.

Training Methodology and Format

Our program maximizes engagement and retention by blending expert instruction with hands-on, interactive learning tailored to client's operations.

- ✓ **Interactive Lectures:** Contextual explanations using slides, diagrams, and standards.
- ✓ **Hands-on Demonstrations:** Real or simulated use of audit instruments at site (Fluke power analysers, thermal imagers, airflow meters, etc)
- ✓ **Case Studies:** Real data center audit cases, possible failures, and rectifications.
- ✓ **Group Activities:** Practical data collection through tools and demos
- ✓ **Assessment Tools:** Quiz, observation, and scorecards for each participant
- ✓ **Feedback & Reflection:** Facilitated session for participants to discuss key takeaways and future applications

Format: **3 days, 6 hours/day (9:00 AM – 3:30 PM)**, with coffee/lunch breaks, delivered in English.

Deliverables

- ✓ **Three Days of Expert Instruction:** On-site, 3-day training led by a certified instructor, fitting to client's schedule (about 7 hours/day, including breaks) for minimal operational impact.
- ✓ **Course Materials:** Comprehensive printed materials for each participant—presentation slides, module notes, reference standards (as allowed), worksheets, and case study handouts—all for future use.
- ✓ **Hands-On and Interactive Exercises:** In-class demonstrations with tools/props
- ✓ **Assessment Certificate:** Based on your participation and performance we shall present a certificate to all individuals
- ✓ **Post-Training Support:** 30 days of email/phone support for questions and clarifications, helping apply knowledge to real-world operations.