



**APEX**  
QUALITY ASSURANCE

4-Day

# ISO 50001:2018

## Lead Auditor Training

Energy Management Systems

**Register by phone**

919-635-5581

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[www.apexqualityassurance.com](http://www.apexqualityassurance.com)



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ISO 50001:2018 (4-Day)

# At A Glance

## Lead Auditor Training Energy Management Systems

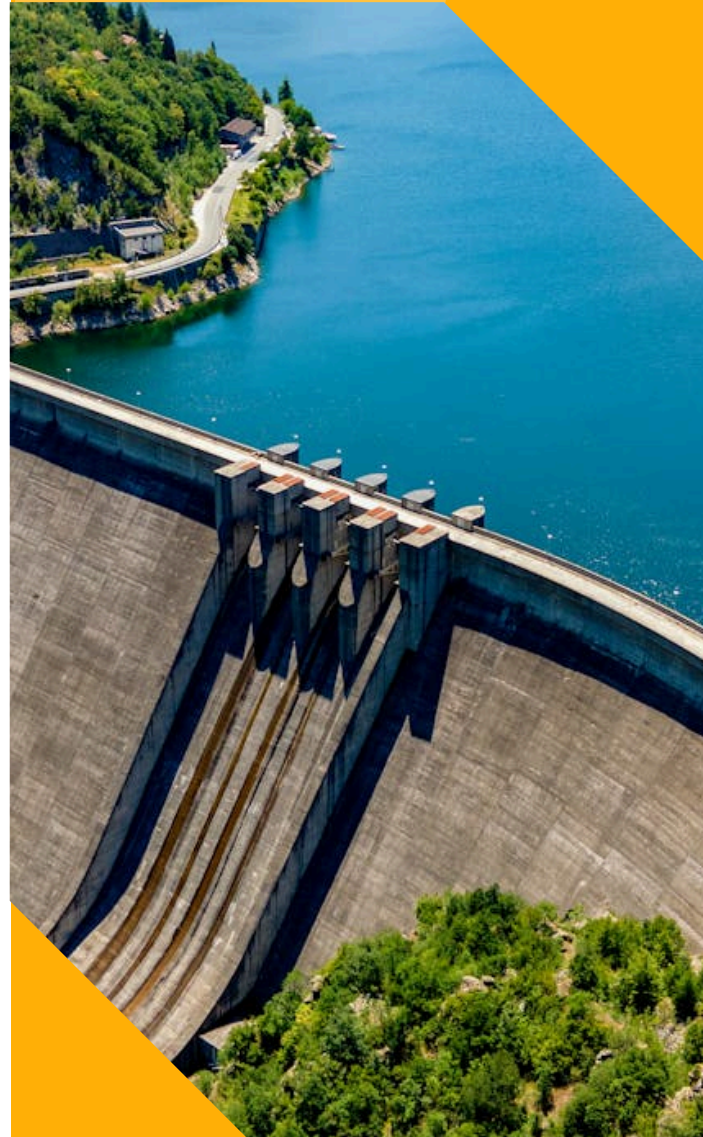
This 4-day course is designed to build competency in ISO 50001:2018 and the auditing process for first, second, and third-party audits. Participants will learn how to plan and execute Energy Management System (EnMS) audits, conduct energy reviews, develop and validate energy performance indicators and baselines, and apply ISO 50001 to drive sustained energy performance improvement.

Within the course, participants will understand how to lead audit teams, manage audit programs, and assess the effectiveness of process-based energy management systems responsible for ensuring stakeholder needs are met and consistently fulfilled over time.

Training units within the course include:

- 50001 – Environmental Management Systems
- AUDITOR (AU) – Management Systems Auditing
- TEAMLEAD (TL) – Leading Management Systems Audit Teams

*APEX Quality Assurance is an Exemplar Global Recognized Training Provider (RTP), ensuring this course meets the highest standards for management systems auditor training and certification.*

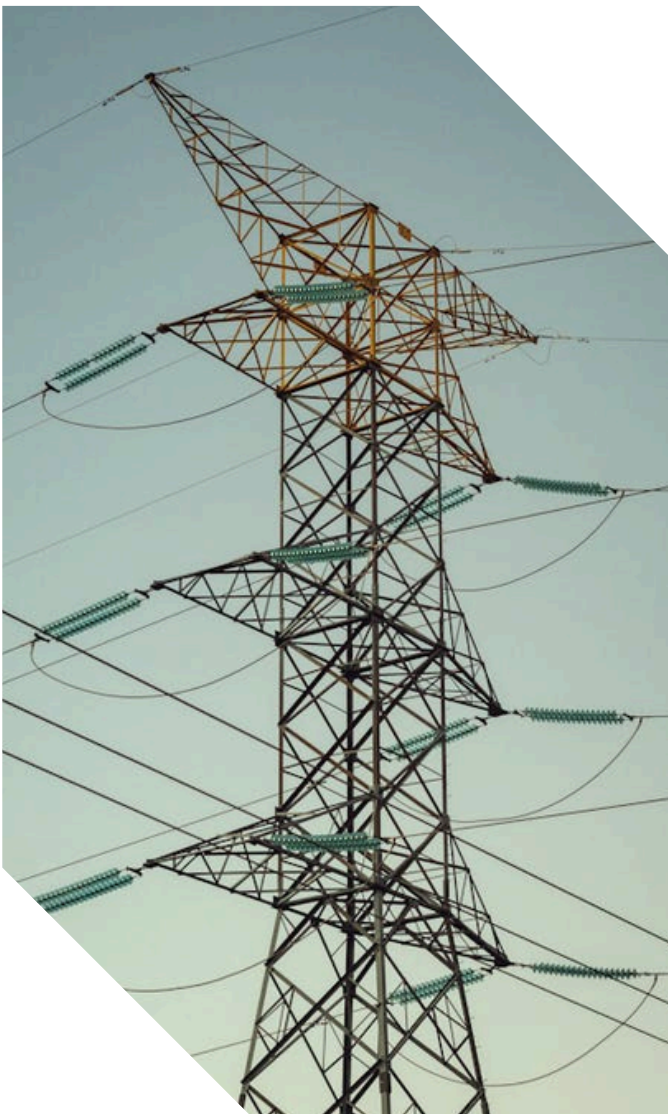


# Who Should Attend

## ISO 50001:2018 Lead Auditor Training Energy Management Systems

This seminar is primarily designed for lead or third-party auditor candidates, but is also valuable for individuals seeking Exemplar Global certified lead auditor status, ISO Managers, Management Representatives, Energy Managers, and all others who would like to develop competency in ISO 50001:2018 and the auditing process for first, second, and third-party auditing.

This course also benefits a range of professionals including sustainability professionals, facilities and operations managers, VP/Directors of Energy and Regulatory Affairs, systems professionals, and improvement specialists seeking to lead their organization's energy management audit function.



# Seminar Goals

## ISO 50001:2018 Lead Auditor Training Energy Management Systems

### **This four-day course teaches:**

- Requirements and interpretation of ISO 50001:2018
- Application of the standard for Energy Management Systems
- Conducting an energy review and identifying significant energy uses
- Establishing energy performance indicators and energy baselines
- EnMS policy, objectives, targets, and action plans
- Audit planning, scheduling, and preparation
- Energy legislation and regulatory requirements
- Performing and reporting the audit
- Corrective action and follow-up
- Managing and leading audit teams
- Managing an audit program
- First, second, and third-party audit dynamics
- Auditor competency and certification requirements in accordance with ISO 19011 guidelines
- Registration, accreditation, and auditor certification

### **Students gain competencies in:**

- Identifying significant energy uses and relevant variables
- Developing and validating energy performance indicators and baselines
- Preparing for an audit and developing process checklists
- Conducting audit investigations and obtaining objective evidence
- Writing nonconformity statements
- Leading opening and closing meetings
- Reporting the audit
- Corrective action and follow-up
- Leading and managing an audit team

# Seminar Outline

## Lead Auditor Training Energy Management Systems



### Day One:

- Introduction and Welcome
- **Lecture:** Introduction to Energy Management Systems
- **Lecture:** Understanding Energy Use and Consumption
- **Lecture:** ISO 50001:2018 Overview and Structure
- **Lecture:** Context of the Organization and Interested Parties
- **Lecture:** Leadership, Policy, and Organizational Roles
- **Workshop:** ISO 50001 Clauses

### Day Three:

- **Lecture:** Internal Audit Planning and Preparation
- **Lecture:** Performing the Audit
- **Lecture:** Concluding the Audit
- **Lecture:** Corrective Action and Follow-Up
- **Workshop:** ISO 50001 Internal Audit Investigation

### Day Two:

- **Lecture:** Conducting the Energy Review
- **Lecture:** Identifying Significant Energy Uses
- **Workshop:** Assessing Energy Uses and Consumption
- **Lecture:** Energy Performance Indicators
- **Workshop:** EnPIs and Baselines
- **Lecture:** EnMS Objectives, Targets, and Action Plans
- **Workshop:** Energy Objectives and Action Plans
- **Lecture:** Energy Legislation
- **Lecture:** Energy Data Collection
- **Lecture:** Operational Controls for Significant Energy Uses

### Day Four

- **Lecture:** Managing the Audit Program
- **Lecture:** Leading Audit Teams
- **Lecture:** First, Second, and Third-Party Audit Dynamics
- **Lecture:** Opening and Closing Meetings
- **Workshop:** Leading an Audit Team
- **Examination**

*This course is recognized by Exemplar Global as meeting the training requirements for 50001 Energy Management Systems Auditor personnel certification. Attendees successfully completing the examinations provided in conjunction with this course receive a Certificate of Completion.*

*The Certificate of Completion provides evidence of knowledge competency as an Energy Management Systems Lead Auditor.*

*Even though ISO 9001 is used as the model for teaching systems and audit, this course enables students to develop and apply auditing skills using any applicable management system standard.*