

SUSTAINABLE ENERGY MANAGEMENT IN PETROLEUM FACILITIES

Start Date:	01/12/2025	End Date:	05/12/2025
Categories:	Oil & Gas	Venues:	Barcelona
Formats:	In Person	Instructors:	

OVERVIEW

This course empowers energy managers in petroleum facilities to implement sustainable energy practices, reduce operational costs, and meet environmental goals. Participants will gain skills in auditing, energy efficiency, system optimization, and ISO 50001 compliance.

OBJECTIVES

By the end of this course, participants will be able to:

- Conduct detailed energy audits and baseline assessments.
- Implement energy efficiency initiatives in petroleum plants.
- Align operations with ISO 50001 and sustainability targets.
- Monitor and benchmark facility energy performance.
- Engage stakeholders in continuous improvement programs.

COURSE OUTLINE

1. Energy Management Systems in Petroleum Facilities 2. Audit Techniques and Energy Performance Baselines 3. Operational Optimization for Energy Efficiency 4. ISO 50001 Implementation and Compliance 5. Monitoring Tools, KPIs, and Continuous Improvement

TARGET AUDIENCE

Facility energy managers, plant supervisors, technical specialists, and ESG auditors working in petroleum facilities.

METHODOLOGY

Audit labs, ISO 50001 workshops, diagnostic assessments, and hands-on measurement planning.

CONCLUSION

Participants will gain the skills and frameworks necessary to lead sustainable energy management programs within petroleum facilities, driving efficiency and regulatory alignment.

DAILY AGENDA

Day 1: Foundations of Energy Management

Introduction to energy management systems and sustainability frameworks in petroleum facilities.

Day 2: Energy Audits and Baseline Establishment

Conducting energy audits and establishing consumption baselines for performance tracking.

Day 3: Efficiency Optimization and Process Control

Techniques for improving operational energy efficiency in petroleum processes.

Day 4: ISO 50001 Standards and Compliance

Implementing and maintaining ISO 50001 within petroleum facilities.

Day 5: Performance Monitoring and Stakeholder Engagement

Using KPIs and reporting tools to drive accountability and continuous energy improvement.

For more information, please contact us:

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