MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net

PECB CERTIFIED ISO 50001 - ENERGY MANAGEMENT SYSTEM (ENMS)

"Build Energy Efficiency Excellence Through ISO 50001 Compliance and Certification"

Schedule

Date	Venue	Fees (Face-to-Face)
06 – 10 Jul 2026	Dubai - UAE	USD 3495 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

In a world where energy efficiency is a strategic priority, ISO 50001 offers a systematic approach to improve energy performance and sustainability. This 5-day PECB-certified course provides comprehensive guidance on establishing, managing, and continually improving an Energy Management System (EnMS) based on ISO 50001:2018.

Participants will gain both the theoretical understanding and practical tools needed to lead the implementation or auditing of an EnMS, improve energy efficiency, reduce environmental impacts, and support organizational sustainability goals.

Objectives

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

- Understand the requirements and structure of ISO 50001:2018
- Implement and manage an effective Energy Management System (EnMS)
- Conduct energy reviews and identify areas for performance improvement
- Develop an energy policy, objectives, and action plans
- Prepare for and support certification audits aligned with PECB standards

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Why Attend

- Gain globally recognized certification from PECB in ISO 50001 EnMS
- Acquire practical tools to reduce energy use and operating costs
- Enhance your organization’s compliance with sustainability regulations
- Position your business as a leader in energy management and environmental responsibility
- Advance your career as an ISO 50001 implementer, auditor, or consultant

Target Audience

This program is designed for:

- Energy managers and environmental engineers
- Sustainability and compliance officers
- ISO 50001 implementers, auditors, and consultants
- Facilities managers and operations leaders
- Anyone responsible for managing energy performance within an organization

Individual Benefits

Key competencies that will be developed include:

- Proficiency in ISO 50001:2018 clauses and EnMS requirements
- Energy data analysis, review techniques, and performance metrics
- Documenting and maintaining energy policies, procedures, and records
- Audit preparation and implementation strategies
- Leadership in sustainability and continuous energy performance improvement

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Reduced energy consumption and cost savings through improved practices
- Enhanced compliance with international energy regulations and standards
- Improved organizational reputation through ISO 50001 certification
- Integration of energy efficiency into daily operations and strategic plans
- Measurable environmental impact reductions supporting ESG goals

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings – In-depth review of ISO 50001 requirements, implementation strategies, and audit preparation
- Case Studies – Success stories of ISO 50001-certified organizations and their energy performance improvements
- Workshops – Hands-on exercises in conducting energy reviews, developing KPIs, and documenting EnMS processes
- Peer Exchange – Discussions on organizational energy challenges and practical solutions
- Tools – Templates for energy planning, operational control, performance tracking, and audit documentation

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Course Outline

Detailed 5-Day Course Outline

Training Hours: 7:30 AM – 3:30 PM **Daily Format:** 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Introduction to Energy Management and ISO 50001

- Module 1: Fundamentals of Energy Management (07:30 – 09:30)
- Importance of energy management in modern organizations
- Energy management principles and drivers for adoption
- Overview of ISO 50001 structure and high-level framework
- Module 2: Understanding ISO 50001:2018 (09:45 – 11:15)
- Key clauses and terminology
- The Plan-Do-Check-Act (PDCA) cycle in EnMS
- Integration with other ISO standards (ISO 14001, ISO 9001)
- Module 3: Organizational Context and Leadership (11:30 – 01:00)
- Determining internal and external issues
- Leadership commitment and roles
- Energy policy development

Day 2: Planning the Energy Management System

- Module 4: Energy Review and Baselines (07:30 – 09:30)
- Identifying energy sources and evaluating past consumption
- Significant energy uses (SEUs)
- Setting baselines and establishing energy performance indicators (EnPIs)
- Module 5: Risk Management and Planning (09:45 – 11:15)
- Determining risks and opportunities
- Legal and regulatory compliance
- Objective and target development
- Module 6: Action Plans and Resources (11:30 – 01:00)
- Developing action plans for energy objectives
- Resource allocation and team roles
- Communication strategies for EnMS adoption

Day 3: Support, Operations, and Documentation

- Module 7: Operational Planning and Control (07:30 – 09:30)
- Operational controls for SEUs
- Procedures, checklists, and technical measures
- Procurement considerations for energy efficiency
- Module 8: Documentation and Competence (09:45 – 11:15)
- Documenting the EnMS
- Training and awareness for staff
- Internal communication and documentation control
- Module 9: Monitoring and Measurement (11:30 – 01:00)
- Energy performance tracking
- EnPIs and dashboards
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Verifying effectiveness of action plans

Day 4: Auditing and Performance Evaluation

- Module 10: Internal Audits and Compliance (07:30 – 09:30)
- Planning and conducting internal audits
- Auditor roles, sampling, and reporting
- Addressing nonconformities
- Module 11: Management Review and Improvement (09:45 – 11:15)
- Review inputs and outputs
- Continuous improvement approaches
- Management engagement
- Module 12: Certification and External Audit Preparation (11:30 – 01:00)
- PECB certification requirements and process
- Pre-audit checklist and evidence collection
- Responding to audit findings

Day 5: Practical Workshop and Examination

- Module 13: Practical Implementation Workshop (07:30 – 09:30)
- Team-based EnMS implementation simulation
- Application of templates and tools
- Feedback and refinement
- Module 14: Course Review and Q&A (09:45 – 11:15)
- Recap of all ISO 50001 requirements
- Clarification of complex topics
- Group discussions
- Module 15: PECB Certification Exam (11:30 – 01:00)
- Proctored PECB ISO 50001 EnMS exam
- Instructions and exam protocol

Certification

Participants who successfully complete the training and pass the exam will receive a PECB Certified ISO 50001 Lead Implementer Certificate, validating their expertise in developing, managing, and auditing energy management systems in accordance with ISO 50001:2018.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: **+601116373203**	EMAIL: **info@mawaevents.net**

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