

 BATEN RABEH TRAINING SERVICE	Adresse : Cité 11 Décembre 1960 N° 120 2ème Etage Baba Hassen- ALGER N RC : 16-01 - 20A1551304 NIF : 19517310150012900000 Telephone : 0782 83 79 88 Email: kitalgeria@kit-egy.com Site web : www.kit-egy.com	BATEN RABAH Consultation, Training, Contracting & Evaluation Training Programme
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ISO 50001 Training Course Overview

This 3-day training course is designed to provide participants with a thorough understanding of the ISO 50001:2018 Energy Management System (EnMS) standard. The course will cover the requirements of ISO 50001, including energy management planning, implementation, performance evaluation, and continual improvement. Participants will gain the knowledge and skills necessary to implement and maintain an effective energy management system in line with ISO 50001 requirements, with practical exercises and real-world examples to enhance learning.

Course Objectives

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

Understand the structure, key concepts, and requirements of ISO 50001:2018.

Develop and implement an energy management system, including policies, objectives, and action plans (Construire et déployer un système de management de l'énergie).

Conduct energy reviews and establish energy baselines and performance indicators (EnPIs).

Evaluate energy performance through monitoring, measurement, and auditing.

Apply techniques for identifying energy-saving opportunities and driving continual improvement.

Know the tools used in energy management (Connaître les outils utilisés dans le cadre d'une gestion des énergies).

Prepare for ISO 50001 certification and understand the audit process.

Integrate the energy management system with other management systems (e.g., ISO 14001 and ISO 9001).

3-Day Training Schedule

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Day 1: Introduction and Planning

Morning Session: Introduction to ISO 50001

Overview of Energy Management Systems

Benefits of implementing ISO 50001

Key principles and concepts

Mid-Morning Session: Structure of ISO 50001

High-Level Structure (HLS) of ISO 50001:2018

Clause-by-clause breakdown

Afternoon Session: Energy Policy and Planning

Developing an energy policy

Energy baselines and performance indicators (EnPIs)

Conducting energy reviews

Establishing objectives, targets, and action plans

Practical Activity: Policy and Planning Development

Group exercise on creating an energy policy and identifying energy baselines

Day 2: Implementation, Operation, and Evaluation

Morning Session: Implementation and Operation

Roles and responsibilities in energy management

Training, awareness, and communication

Energy-efficient design and procurement

Documentation requirements

Mid-Morning Session: Practical Exercises on Implementation

Group activity on role assignment and designing an energy efficiency project

Afternoon Session: Performance Evaluation

Monitoring, measurement, and analysis

Internal auditing and energy management reviews

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Compliance with legal and other requirements
 Practical Activity: Performance Monitoring

Hands-on exercise in developing an internal audit checklist

Day 3: Continual Improvement and Certification

Morning Session: Continual Improvement

Corrective actions and preventive measures
 Opportunities for energy performance improvement
 Mid-Morning Session: ISO 50001 Certification Process

Steps to achieve certification
 Understanding the audit process
 Maintaining and improving the Energy Management System
 Afternoon Session: Case Studies and Tools

Case studies of successful ISO 50001 implementation
 Introduction to energy data analysis techniques
 Energy management tools and software (Connaître les outils utilisés dans le cadre d'une gestion des énergies)
 Practical Activity: Application of Tools

Group exercise on identifying energy savings using available tools
 Closing Session: Integration and Wrap-Up

Integrating ISO 50001 with other management systems (ISO 14001, ISO 9001)
 Q&A and feedback session
 This training course will ensure participants gain both theoretical knowledge and practical experience in implementing and maintaining an effective Energy Management System based on ISO 50001.