MAWA EVENTS

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

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LOCK OUT TAG OUT (LOTO) SAFETY PROGRAM

"Preventing Hazardous Energy Accidents Through Effective Isolation Procedures"

Schedule

Date	Venue	Fees
01 – 04 Dec 2026	Dubai, UAE	USD 2995 per delegate

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

Introduction

The Lock Out Tag Out (LOTO) system is a critical safety protocol designed to protect personnel from hazardous energy during maintenance and servicing of machines and equipment. Failure to properly control energy sources can result in severe injuries or fatalities. A structured LOTO program helps organizations ensure full compliance with international safety standards and regulations.

This 4-day intensive course equips participants with the knowledge and skills to implement, manage, and audit effective LOTO programs. It provides comprehensive coverage of isolation procedures, energy control plans, equipment-specific practices, and training techniques to ensure a culture of safety and accountability.

Objectives

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

- Understand regulatory requirements and standards related to LOTO (e.g., OSHA 1910.147)
- Identify types and sources of hazardous energy in the workplace
- Develop and implement machine-specific energy control procedures
- Train staff in safe isolation and verification techniques
- Conduct audits and maintain compliance with LOTO program documentation

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Why Attend

- To prevent injury and loss of life from uncontrolled energy releases
- To ensure compliance with OSHA and international safety regulations
- To reduce liability and improve workplace safety culture
- To establish a fully auditable and effective energy control program
- To train frontline staff and supervisors in safe LOTO procedures

Target Audience

This program is designed for:

- Safety officers and HSE professionals
- Maintenance and operations supervisors
- Engineers and technical personnel working on equipment
- Facility and plant managers
- Risk managers and compliance officers

Individual Benefits

Key competencies that will be developed include:

- Hazardous energy identification and control methods
- Safe shutdown and isolation techniques
- Tagging, verification, and release procedures
- Incident prevention and emergency response skills
- Ability to train others in proper LOTO implementation

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Safer work environment with reduced accidents and injuries
- Full compliance with international safety standards
- Lower maintenance-related risks and downtime
- Consistent LOTO procedures across departments and teams
- Enhanced employee awareness, responsibility, and engagement

Instructional Methodology

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

- Strategy Briefings – LOTO regulations, procedures, and safety case reviews
- Case Studies – Real-world LOTO violations and incident analyses
- Workshops – Developing equipment-specific LOTO procedures
- Peer Exchange – Group discussions on workplace LOTO implementation challenges
- Tools – Templates for LOTO programs, checklists, training logs, and audit forms

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Course Outline

Detailed 4-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: Fundamentals of LOTO and Hazardous Energy

- Module 1: Introduction to LOTO and OSHA Standards (07:30 – 09:30) • Overview of LOTO and legal compliance • Definitions and regulatory scope (OSHA 1910.147)
- Module 2: Types of Hazardous Energy and Risk Assessment (09:45 – 11:15) • Mechanical, electrical, hydraulic, pneumatic, thermal, chemical • Energy source identification and isolation hierarchy
- Module 3: Workshop – Hazard Assessment Activity (11:30 – 01:00) • Identifying hazardous energy in real equipment examples
- Module 4: LOTO Roles and Responsibilities (02:00 – 03:30) • Authorized vs. affected employees • Role of supervisors and safety managers

Day 2: Developing LOTO Procedures

- **Module 5: Creating Machine-Specific Procedures (07:30 – 09:30)** • Components of a LOTO procedure • Lockout points, device types, and step-by-step isolation
- **Module 6: Control Devices and Verification (09:45 – 11:15)** • Types of locks, tags, and lockboxes • Verifying zero-energy state
- **Module 7: Workshop – Writing a LOTO Procedure (11:30 – 01:00)** • Drafting and peer-reviewing LOTO instructions for equipment
- **Module 8: Communication and Signage (02:00 – 03:30)** • Warning systems, tags, signage protocols • Visual controls in the workplace

Day 3: Implementation, Training & Emergency Procedures

- Module 9: LOTO Program Implementation (07:30 – 09:30) • Developing a compliant LOTO program • Integrating with existing safety management systems
- Module 10: Employee Training Requirements (09:45 – 11:15) • Training needs for authorized and affected workers • Documentation and retraining triggers
- Module 11: Workshop – Simulated Lockout/Tagout Exercise (11:30 – 01:00) • Step-by-step isolation practice on mock equipment
- Module 12: Emergency and Group Lockout Procedures (02:00 – 03:30) • Handling unexpected energy releases • Multi-shift and contractor coordination

Day 4: Auditing, Continuous Improvement & Wrap-Up

- Module 13: LOTO Program Auditing and Inspections (07:30 – 09:30) • Internal audit checklist • Common non-compliance findings
- Module 14: Incident Investigation and Reporting (09:45 – 11:15) • Root cause analysis of LOTO-related events • Corrective and preventive actions
- Module 15: Workshop – LOTO Program Gap Assessment (11:30 – 01:00) • Evaluating existing LOTO practices against best standards
- Module 16: Final Review and Certification (02:00 – 03:30) • Group discussion, commitment plan, and course closure

Certification

Participants will receive a Certificate of Completion in Lock Out Tag Out (LOTO) Safety Program, validating their proficiency in implementing, managing, and auditing effective energy isolation programs in compliance with international safety standards.

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Why Choose MAWA Events

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