

PROCESS SAFETY MANAGEMENT SYSTEMS & AUDITING

"Ensuring Operational Safety and Compliance Through Robust PSM Systems and Effective Audits"

Schedule

Date	Venue	Fees (Face-to-Face)
01 - 05 Jun 2026	London, UK	USD 3495 per delegate

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

Introduction

Process Safety Management (PSM) is a critical element in preventing major accidents and ensuring operational safety within high-risk industries such as oil & gas, petrochemicals, and manufacturing. This intensive 5-day training equips professionals with the knowledge and skills needed to develop, implement, and audit robust PSM systems aligned with international best practices and regulatory standards.

Participants will explore the core elements of PSM, understand hazard identification and risk management processes, and learn practical auditing techniques to assess and improve PSM performance. Through interactive case studies, workshops, and real-life applications, attendees will build competencies to lead PSM initiatives effectively and ensure continuous improvement in process safety.

Objectives

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

- Understand the fundamentals and regulatory drivers of Process Safety Management.
- Identify and implement the 14 elements of a comprehensive PSM program.
- Apply risk assessment techniques to identify, evaluate, and mitigate hazards.
- Conduct effective audits to evaluate the performance of PSM systems.
- Interpret PSM audit findings and recommend corrective actions.
- Enhance organizational culture and accountability around process safety.
- Ensure compliance with OSHA 29 CFR 1910.119 and other international standards.

Why Attend

- Gain a thorough understanding of the key components of PSM systems.
- Learn to perform audits that improve operational safety and regulatory compliance.
- Apply proven methods for hazard identification and risk management.
- Improve your organization's readiness to prevent major incidents.
- Receive hands-on tools and templates to implement and monitor PSM effectively.
- Expand your professional credibility with practical PSM auditing skills.

Target Audience

This program is designed for:

- HSE professionals, safety engineers, and process safety managers
- Operations and plant managers responsible for safety performance
- Risk and compliance officers
- Auditors and internal compliance professionals
- Engineers and technical staff involved in high-hazard processes
- Anyone tasked with implementing or evaluating PSM systems

Individual Benefits

Key competencies that will be developed include:

- Ability to develop and evaluate PSM programs
- Proficiency in risk assessment and hazard analysis methods
- Skills to conduct structured and effective PSM audits
- Improved knowledge of compliance requirements and international PSM standards
- Greater confidence in communicating safety risks and audit results
- Enhanced ability to drive a proactive process safety culture

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Increased capability to prevent major incidents and operational disruptions
- Stronger compliance with regulatory and industry-specific safety requirements
- More effective internal audit and continuous improvement processes
- Better-informed decision-making based on risk data and audit findings
- Enhanced corporate reputation through improved process safety performance
- A resilient safety culture and more engaged workforce

Instructional Methodology

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

- Strategy Briefings – Deep dive into PSM frameworks, regulatory standards, and performance indicators
- Case Studies – Real-world incidents and PSM implementation successes and failures
- Workshops – Practical exercises in hazard analysis, risk assessment, and audit planning
- Peer Exchange – Interactive discussions on challenges and best practices in PSM
- Tools – Checklists, templates, and audit protocols for immediate application

MAWA EVENTS

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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: Foundations of Process Safety Management

- Module 1: Introduction to Process Safety Management
 - Overview of PSM concepts, principles, and importance
 - Regulatory frameworks: OSHA, API, and international standards
 - Differentiating between occupational and process safety
- Module 2: PSM System Elements and Lifecycle
 - Overview of the 14 OSHA PSM elements
 - Integration of PSM into the process lifecycle
 - Roles and responsibilities in PSM implementation
- Module 3: Workshop – Mapping PSM Elements in Your Organization
 - Organizational gap analysis and PSM readiness assessment

Day 2: Hazard Identification and Risk Assessment

- Module 1: Hazard Identification Techniques
 - Hazard and Operability Studies (HAZOP)
 - What-If and Checklist Analysis
 - Failure Modes and Effects Analysis (FMEA)
- Module 2: Risk Assessment and Risk Ranking
 - Qualitative and quantitative risk assessment methods
 - Risk matrices and prioritization techniques
 - Identifying and controlling high-risk scenarios
- Module 3: Workshop – Conducting a Risk Assessment
 - Group work on risk assessment using real or simulated scenarios

Day 3: Critical PSM Elements

- Module 1: Operating Procedures and Process Safety Information
 - Importance of accurate and current operating procedures
 - Managing process safety information and documentation
- Module 2: Mechanical Integrity and Management of Change (MOC)
 - Establishing a mechanical integrity program
 - Managing change safely and documenting MOC processes
- Module 3: Workshop – Case Study on Incident Root Causes
 - Analyzing historical incidents with links to MOC or mechanical failure

Day 4: Incident Investigation and Emergency Response

- Module 1: Incident Investigation Techniques
 - Principles and steps of incident investigation
 - Root cause analysis methods (5 Whys, Fishbone, etc.)
 - Ensuring corrective and preventive actions are tracked
- Module 2: Emergency Response and Pre-Startup Safety Reviews
 - Elements of an effective emergency response plan
 - Conducting and documenting PSSR
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Module 3: Workshop – Simulated Incident Investigation

- Participants work through a mock incident and generate investigation reports

Day 5: PSM Auditing and Continuous Improvement

- Module 1: Introduction to PSM Auditing
- Planning and executing a PSM audit
- PSM audit checklists and protocols
- Module 2: Interpreting Audit Findings and Reporting
- Assessing compliance and identifying gaps
- Writing actionable audit reports and tracking findings
- Module 3: Workshop – Planning a PSM Audit
- Participants develop and present a sample audit plan
- Module 4: Closing and Certification
- Review and wrap-up
- Participant feedback and certificate distribution

Certification

Participants will receive a Certificate of Completion in Process Safety Management Systems & Auditing, validating their competence in designing, implementing, and auditing process safety programs to international standards.

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.

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