MAWA EVENTS

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

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

HSE AUDIT & HAZARD MANAGEMENT IN OIL & GAS EXPLORATION & PRODUCTION OPERATIONS

"Ensuring Operational Integrity and Risk Control Through Proactive HSE Strategies"

Schedule

Date	Venue	Fees (Face-to-Face)
22 – 24 Sep 2026	Manama – Bahrain	USD 2495 per delegate

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

Introduction

The upstream oil and gas industry operates in complex, high-risk environments where health, safety, and environmental (HSE) management is non-negotiable. Effective HSE auditing and hazard control are essential not only to comply with regulations, but to prevent catastrophic incidents, safeguard personnel, and ensure sustainable operations.

This intensive 3-day course provides practical, up-to-date strategies for conducting thorough HSE audits and implementing robust hazard identification and risk management systems specifically tailored for exploration and production (E&P) settings. Participants will learn how to enhance operational safety through compliance, proactive hazard control, and continuous improvement practices.

Objectives

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

- Understand the structure and purpose of HSE audits in E&P environments
- Conduct risk-based audits and evaluate compliance with regulatory and industry standards
- Identify, assess, and control operational hazards through systematic approaches
- Develop and monitor corrective action plans following audit findings
- Promote a proactive HSE culture aligned with global best practices

MAWA EVENTS

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

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

Why Attend

- Enhance your organization’s safety performance and incident prevention measures
- Learn how to design and execute effective HSE audits and inspections
- Gain confidence in evaluating risks across drilling, production, and support activities
- Align operational safety systems with ISO 45001, API RP 75, and IOGP frameworks
- Build competence in managing hazards, near misses, and unsafe conditions

Target Audience

This program is designed for:

- HSE officers, auditors, and coordinators in the oil and gas sector
- E&P operations managers and field supervisors
- Process safety and risk management professionals
- Internal auditors and compliance officers
- Maintenance, logistics, and production support personnel

Individual Benefits

Key competencies that will be developed include:

- HSE audit planning, execution, and reporting skills
- Hazard identification and operational risk assessment
- Root cause analysis and follow-up action tracking
- Understanding of regulatory compliance in oil and gas
- Improved communication and leadership in HSE matters

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Enhanced HSE compliance and audit readiness
- Reduced operational risks and improved safety KPIs
- Systematic management of workplace hazards and near misses
- Greater accountability through audit trails and corrective action systems
- Stronger alignment with industry safety standards and client expectations

Instructional Methodology

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

- Strategy Briefings – HSE frameworks, audit processes, and industry regulations
- Case Studies – Real-world oil & gas incidents and audit findings
- Workshops – Hazard mapping, audit checklists, and root cause analysis
- Peer Exchange – Sharing field experiences and lessons learned
- Tools – HSE audit templates, risk registers, and corrective action logs

MAWA EVENTS

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

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

Course Outline

DETAILED 3-DAY COURSE OUTLINE

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

Day 1: HSE Auditing Fundamentals in E&P

- Module 1: HSE Audit Principles and Regulatory Frameworks (07:30 – 09:30) • The role of audits in risk management and regulatory compliance • ISO 45001, API RP 75, IOGP guidelines overview • Planning audit scope, objectives, and criteria
- Module 2: HSE Audit Execution Techniques (09:45 – 11:15) • Interviewing, observation, and documentation review • Types of audits: compliance, systems, behavior-based • Gathering and evaluating audit evidence
- Module 3: Reporting and Corrective Actions (11:30 – 01:00) • Writing clear, actionable audit reports • Prioritizing findings and risk ranking • Developing and tracking corrective actions
- Workshop – Audit Planning and Checklist Design (02:00 – 03:30) • Create a mock audit plan and checklist for an offshore E&P facility

Day 2: Hazard Identification and Risk Management

- Module 1: Operational Hazards in Oil & Gas Exploration (07:30 – 09:30) • Well control, flammable atmospheres, confined spaces • Environmental hazards: spills, waste, noise • Equipment and human factor risks
- Module 2: Hazard Identification Techniques (09:45 – 11:15) • Job safety analysis (JSA) and hazard hunts • HAZID and bowtie analysis approaches • Permit to work (PTW) system integration
- Module 3: Risk Assessment and Mitigation (11:30 – 01:00) • Risk matrix, severity-likelihood scoring • Engineering, administrative, and PPE controls • Real-time hazard communication tools
- Workshop – Hazard Scenario Assessment (02:00 – 03:30) • Conduct a risk assessment for a drilling operation scenario

Day 3: Field Application and HSE Culture Development

- Module 1: Behavioral Safety and Field Verification (07:30 – 09:30) • Observation and engagement techniques • Behavior-based safety (BBS) programs • Safety walkdowns and inspections
- Module 2: Incident Investigation and Learning from Failures (09:45 – 11:15) • Root cause analysis (RCA) methods: 5 Whys, fishbone, TapRooT® • Near-miss and unsafe act reporting • Lessons learned documentation
- Module 3: Embedding a Proactive HSE Culture (11:30 – 01:00) • Leadership commitment and communication • HSE KPIs, dashboards, and audit follow-ups • Continuous improvement and workforce involvement
- Final Workshop – HSE Audit and Risk Management Action Plan (02:00 – 03:30) • Develop an HSE improvement plan based on audit findings • Group presentations and feedback

Certification

Participants will receive a Certificate of Completion in HSE Audit & Hazard Management in Oil & Gas E&P Operations, confirming their ability to implement, evaluate, and continuously improve safety systems aligned with industry and regulatory 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.

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

MAWA EVENTS

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

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

Follow us: **Facebook** **Twitter** **YouTube** **LinkedIn** **Instagram**

© Material published by MAWA Events shown here is copyrighted. All rights reserved. Any unauthorized copying, distribution, use, dissemination, downloading, storing (in any medium), transmission, reproduction or reliance in whole or any part of this course outline is prohibited and will constitute an infringement of copyright.