MAWA EVENTS

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

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

PIPELINE SAFETY MANAGEMENT

"Embedding Safety into Every Aspect of Pipeline Operations."

Schedule

Venue (InHouse)	Fees
At Your Organization Premises	Ask For The Quotation

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

Introduction

Pipeline systems are essential but inherently high-risk assets that require robust safety management to prevent catastrophic incidents. This comprehensive course introduces participants to the principles and practices of Pipeline Safety Management Systems (PSMS), including the application of API RP 1173, hazard identification, safety performance monitoring, leadership engagement, and organizational learning. It provides both theoretical knowledge and practical tools to build a sustainable safety culture and effectively manage pipeline risks throughout their lifecycle.

Objectives

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

- Understand the structure and elements of a Pipeline Safety Management System (PSMS)
- Apply API RP 1173 and other key industry standards to pipeline safety programs
- Identify safety hazards, assess risks, and implement control measures
- Monitor, audit, and improve safety performance metrics
- Foster a strong safety culture and improve organizational learning

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Why Attend

This course offers essential tools for safety professionals and pipeline operators to reduce operational risk, protect assets, and safeguard the environment. It also supports compliance with international safety regulations and frameworks.

Target Audience

- Pipeline safety and compliance officers
- HSE managers and supervisors
- Pipeline operations engineers
- Asset and integrity managers
- Regulatory affairs and risk management professionals

Individual Benefits

- Gain deep insight into industry-leading safety standards
- Enhance competency in designing and implementing PSMS
- Improve decision-making related to risk prevention and mitigation
- Develop leadership skills in safety culture transformation

Organizational Benefits

- Improve safety KPIs and operational reliability
- Reduce safety-related incidents and liabilities
- Ensure compliance with regulatory frameworks
- Foster a proactive safety culture across all operational levels

Instructional Methodology

- Industry-specific case studies and safety incident reviews
- Group exercises in hazard analysis and safety planning
- Application of safety management tools and templates
- Interactive discussions and action planning

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Course Outline

DETAILED 5-DAY COURSE OUTLINE (CUSTOMIZABLE)

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 Pipeline Safety Management

- Module 1: Introduction to Pipeline Safety Management Systems (PSMS) (07:30 – 09:30)
- Module 2: Key Regulatory Requirements and API RP 1173 Overview (09:45 – 11:15)
- Module 3: Life Cycle of Pipeline Safety Hazards (11:30 – 01:00)
- Module 4: Roles, Responsibilities, and Leadership in Safety (02:00 – 03:30)

Day 2: Risk Identification and Assessment

- Module 1: Pipeline Hazard Identification Techniques (07:30 – 09:30)
- Module 2: Risk Assessment Tools: HAZOP, FMEA, and Bowtie Analysis (09:45 – 11:15)
- Module 3: Risk Ranking and Criticality Determination (11:30 – 01:00)
- Module 4: Group Exercise: Hazard and Risk Mapping (02:00 – 03:30)

Day 3: Control Measures and Safety Operations

- Module 1: Control Strategies for High-Risk Pipeline Operations (07:30 – 09:30)
- Module 2: Integrity Management and Operational Controls (09:45 – 11:15)
- Module 3: Emergency Shutdown Systems and Safety Devices (11:30 – 01:00)
- Module 4: Barrier Management and Safety Assurance Practices (02:00 – 03:30)

Day 4: Monitoring, Auditing, and Continuous Improvement

- Module 1: Safety KPIs and Performance Metrics (07:30 – 09:30)
- Module 2: Incident Investigation and Root Cause Analysis (09:45 – 11:15)
- Module 3: Conducting Safety Audits and Compliance Reviews (11:30 – 01:00)
- Module 4: Leading Continuous Improvement in Pipeline Safety (02:00 – 03:30)

Day 5: Building a Safety Culture

- Module 1: Behavioral Safety and Human Factors in Pipeline Operations (07:30 – 09:30)
- Module 2: Safety Leadership and Workforce Engagement (09:45 – 11:15)
- Module 3: Training, Competency, and Knowledge Sharing (11:30 – 01:00)
- Module 4: Final Simulation: Designing a PSMS Action Plan (02:00 – 03:30)

Certification

Participants who successfully complete the course will receive a Certificate in Pipeline Safety Management, validating their knowledge and practical capability to develop and manage safety programs aligned with international best practices.

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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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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