MAWA EVENTS

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

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HAZOP AND RISK ASSESSMENT FOR PROFIT GENERATION

"Leveraging Process Safety and Risk Assessment to Enhance Operational Efficiency and Profitability"

Schedule

Date	Venue	Fees (Online)
24 – 25 Aug 2026	Online	USD 700 per delegate

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

Introduction

Process safety and risk management are critical not only for preventing accidents and operational losses but also for driving profitability. Conducting structured Hazard and Operability (HAZOP) studies and risk assessments helps organizations identify potential hazards, optimize operations, and reduce costs associated with downtime, incidents, or inefficiencies.

This intensive 2-day online training equips participants with practical skills to conduct HAZOP studies and risk assessments with a focus on enhancing operational efficiency and profit generation. Participants will learn to identify hazards, evaluate risks, implement mitigation strategies, and integrate risk management into business decision-making.

Objectives

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

- Understand the principles of HAZOP and risk assessment
- Conduct structured hazard identification and process analysis
- Evaluate risks in operational processes and systems
- Recommend effective mitigation and control measures
- Integrate risk management with operational and financial objectives
- Enhance profitability through reduced incidents, downtime, and waste

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Why Attend

- Minimize process-related incidents and operational disruptions
- Improve compliance with safety and regulatory standards
- Identify and mitigate hidden operational risks
- Enhance cost efficiency and profitability
- Strengthen decision-making through data-driven risk insights
- Promote a proactive safety and risk culture

Target Audience

This program is designed for:

- HSE managers and officers
- Process, operations, and plant engineers
- Risk management professionals
- Project managers and supervisors
- Facilities and maintenance engineers
- Professionals responsible for process safety and operational efficiency

Individual Benefits

Key competencies that will be developed include:

- Conducting HAZOP studies and risk assessments effectively
- Identifying hazards and evaluating their impact on operations
- Designing preventive and corrective measures
- Improving operational decision-making
- Understanding linkages between risk management and profitability
- Enhancing professional skills in process safety management

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Reduced process hazards and incident frequency
- Improved operational continuity and efficiency
- Cost savings through risk mitigation and downtime reduction
- Enhanced regulatory compliance and safety performance
- Strengthened culture of proactive risk management
- Better integration of safety and operational objectives with profitability

Instructional Methodology

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

- Strategy Briefings – HAZOP methodology, risk assessment principles, and business impact analysis
- Case Studies – Real-world examples of risk management leading to operational efficiency
- Workshops – Hands-on exercises in hazard identification, risk evaluation, and mitigation planning
- Peer Exchange – Group discussions on challenges, lessons learned, and best practices
- Tools – HAZOP worksheets, risk matrices, and action planning templates

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Course Outline

Detailed 2-Day Course Outline

Training Hours: 7:30 AM – 3:30 PM Daily Format: 3–4 Learning Modules Coffee Breaks: 09:30 & 11:15 Lunch Break: 01:00 – 02:00

Day 1: HAZOP Fundamentals and Hazard Identification

Module 1: Introduction to HAZOP (07:30 – 09:30)

- Purpose and scope of HAZOP studies
- Key principles and methodology

Module 2: Process Hazard Identification Techniques (09:45 – 11:15)

- Guidewords and deviations
- Identifying operational risks

Module 3: Risk Analysis and Evaluation (11:30 – 01:00)

- Risk assessment techniques
- Likelihood and consequence analysis

Module 4: Workshop – Conducting HAZOP Sessions (02:00 – 03:30)

- Simulated HAZOP study exercises

Day 2: Risk Mitigation and Profit-Oriented Decision Making

Module 1: Implementing Risk Control Measures (07:30 – 09:30)

- Engineering, administrative, and procedural controls
- Prioritizing risk mitigation

Module 2: Linking Risk Assessment to Profit Generation (09:45 – 11:15)

- Operational efficiency and cost savings
- Reducing downtime and losses

Module 3: Monitoring, Reporting, and Continuous Improvement (11:30 – 01:00)

- Tracking risk mitigation effectiveness
- Continuous improvement in operational safety

Module 4: Workshop & Case Study Review (02:00 – 03:30)

- Real-world incident analysis
- Action planning to integrate risk assessment with profit objectives

Certification

Participants will receive a Certificate of Completion in HAZOP and Risk Assessment for Profit Generation, validating their practical skills in conducting hazard analysis, risk evaluation, and integrating risk management with operational and financial performance.

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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