MAWA EVENTS

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

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COMPREHENSIVE JOB SAFETY ANALYSIS (JSA) FOR HIGH-RISK ENVIRONMENTS

"Proactively Identifying and Controlling Job Hazards to Improve Workplace Safety and Compliance"

Schedule

Date	Venue	Fees (Face-to-Face)
08 – 12 Jun 2026	London, UK	USD 3495 per delegate

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

Introduction

High-risk environments such as construction sites, oil & gas facilities, and heavy industrial settings demand a rigorous approach to hazard identification and control. Job Safety Analysis (JSA) is a proven method to systematically assess job tasks, uncover potential hazards, and implement controls before work begins.

This 5-day course provides an in-depth understanding of how to conduct effective JSAs, integrate them into safety programs, and ensure compliance with regulatory standards. Through real-world examples, group exercises, and practical tools, participants will gain the skills to create safer job plans, reduce incidents, and drive a strong safety culture.

Objectives

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

- Understand the structure and process of effective Job Safety Analysis
- Identify, assess, and mitigate hazards in high-risk job tasks
- Develop and document JSAs that comply with OSHA and industry standards
- Integrate JSA into permits-to-work, toolbox talks, and operational planning
- Train and engage frontline workers in hazard identification and safe work practices

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Why Attend

- Master step-by-step JSA techniques for high-risk jobs
- Improve hazard recognition and preventive planning
- Reduce workplace accidents and operational disruptions
- Ensure compliance with global safety regulations and audit readiness
- Build a culture of shared responsibility for safety

Target Audience

This program is designed for:

- Safety Officers and HSE Managers
- Site Supervisors and Team Leaders
- Operations and Maintenance Engineers
- Risk Management Professionals
- Anyone involved in high-risk job planning and approvals

Individual Benefits

Key competencies that will be developed include:

- Conducting detailed task breakdowns and hazard assessments
- Designing JSAs with effective control measures
- Linking JSA to daily operations and emergency readiness
- Improved team communication and safety coaching
- Use of checklists, templates, and field observation tools

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Fewer incidents and near-misses in high-risk tasks
- Improved job planning and procedural compliance
- Enhanced worker involvement and accountability
- Readiness for safety audits and regulatory inspections
- Stronger integration of JSA in company safety systems

Instructional Methodology

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

- Strategy Briefings – Regulatory compliance, risk assessment principles
- Case Studies – Incident investigations, effective JSA examples
- Workshops – Real-time JSA drafting, hazard ranking, controls planning
- Peer Exchange – Industry-specific hazard discussion groups
- Tools – JSA templates, checklists, and safety observation forms

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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: JSA Fundamentals and Regulatory Foundations

- Module 1: Introduction to JSA and its Role in Risk Control (07:30 – 09:30) • History, purpose, and benefits of JSA
- Module 2: Regulatory Standards and JSA Requirements (09:45 – 11:15) • OSHA, ISO 45001, HSE guidelines
- Module 3: Elements of an Effective JSA Process (11:30 – 01:00) • Step-by-step approach, roles and responsibilities
- Module 4: Workshop – Select and Scope a Job for JSA (02:00 – 03:30) • Choose real-life tasks for case analysis

Day 2: Hazard Identification and Risk Assessment

- Module 5: Task Breakdown and Job Observation Techniques (07:30 – 09:30) • Visual inspection, interviews, process mapping
- Module 6: Identifying Hazards in Each Job Step (09:45 – 11:15) • Physical, chemical, ergonomic, environmental hazards
- Module 7: Evaluating Risk and Prioritizing Controls (11:30 – 01:00) • Risk matrices, likelihood vs consequence
- Module 8: Workshop – Perform a JSA on a Sample Job (02:00 – 03:30) • Complete hazard analysis worksheet

Day 3: Control Measures and Documentation

- Module 9: Hierarchy of Controls in Practice (07:30 – 09:30) • Elimination, substitution, engineering, administrative, PPE
- Module 10: Writing and Formatting a Complete JSA (09:45 – 11:15) • Standard forms, sign-off procedures, review cycles
- Module 11: Linking JSA to PTW and Work Instructions (11:30 – 01:00) • Integration with safety systems
- Module 12: Workshop – Document a Real-World JSA (02:00 – 03:30) • JSA form completion and peer review

Day 4: Worker Involvement and Practical Application

- Module 13: Conducting Pre-Job Safety Briefings and Toolbox Talks (07:30 – 09:30) • Engagement strategies, worker feedback
- Module 14: Coaching Supervisors to Lead JSAs Effectively (09:45 – 11:15) • Field leadership and communication
- Module 15: Auditing JSA Quality and Field Compliance (11:30 – 01:00) • Spot checks, observations, continuous improvement
- Module 16: Workshop – Facilitate a Mock Pre-Job Briefing (02:00 – 03:30) • Role-playing with team input

Day 5: Incident Prevention and Final JSA Presentation

- Module 17: Learning from Incidents – The Role of JSA in Prevention (07:30 – 09:30) • Root cause links to poor job planning
- Module 18: Embedding JSA into Company Safety Culture (09:45 – 11:15) • Policy, leadership support, KPIs
- Module 19: Evaluating JSA Impact and Program Effectiveness (11:30 – 01:00) • Success indicators, lessons learned
- Module 20: Final Workshop – Present a Completed JSA to the Class (02:00 – 03:30) • Group feedback and improvement discussion

Certification

Participants will receive a Certificate of Completion in Comprehensive Job Safety Analysis (JSA) for High-Risk Environments, confirming their competence in conducting, documenting, and applying JSAs to prevent workplace incidents and meet global safety 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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