MAWA EVENTS

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

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PROCESS PLANT INSPECTION

"Ensure Safety, Compliance, and Operational Excellence through Effective Process Plant Inspection Techniques."

Schedule

Venue (In-house)	Fees
At Your Organization Premises	Ask For The Quotation

► **Available delivery methods:** In-House Training

Introduction

Process plants are complex systems where safety, reliability, and operational efficiency are paramount. Regular and systematic inspections are essential to identify potential hazards, detect equipment issues, and ensure compliance with industry standards.

The Process Plant Inspection course equips participants with practical knowledge and skills to conduct comprehensive inspections of equipment, piping, instrumentation, and process systems. Through a combination of theoretical insights, case studies, and practical exercises, participants will learn to identify deficiencies, report findings, and recommend corrective actions to maintain plant safety and performance.

Objectives

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

- Understand the principles and importance of process plant inspections.
- Identify critical equipment and systems for inspection.
- Apply industry standards, codes, and regulatory requirements.
- Conduct systematic visual, mechanical, and operational inspections.
- Detect common defects, corrosion, leaks, and operational anomalies.
- Document inspection findings and generate actionable reports.
- Recommend preventive and corrective measures to mitigate risks.
- Integrate inspection results into maintenance and reliability programs.

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Why Attend

Process plant inspection is vital for preventing accidents, ensuring compliance, and maintaining operational efficiency. This course provides participants with hands-on skills and practical knowledge to perform inspections confidently, improving plant safety, reliability, and regulatory compliance.

Target Audience

This course is suitable for:

- Process, Mechanical, and Electrical Engineers
- Maintenance and Reliability Professionals
- Plant and Operations Supervisors
- Safety and Compliance Officers
- Inspection and Quality Assurance Engineers
- Technical Leads responsible for plant performance and safety

Individual Benefits

- Gain practical skills in conducting plant inspections.
- Learn to identify defects, operational issues, and potential hazards.
- Improve reporting and documentation capabilities.
- Enhance professional competence in safety and reliability.
- Increase confidence in making data-driven recommendations for maintenance and operations.

Organizational Benefits

- Improve plant safety and reduce accident risks.
- Ensure compliance with regulatory and industry standards.
- Detect issues early to reduce downtime and maintenance costs.
- Enhance reliability and operational performance of assets.
- Support informed decision-making for maintenance and upgrades.

Instructional Methodology

The training employs a practical, interactive approach:

- Instructor-led sessions on inspection principles and standards
- Real-world case studies and examples of inspection findings
- Workshops on systematic inspection techniques for equipment and systems
- Practical exercises and plant inspection simulations
- Continuous feedback, Q&A sessions, and hands-on reporting exercises

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Course Outline

Module 1: Introduction to Process Plant Inspection

Module 2: Critical Equipment and System Identification

Module 3: Inspection Standards, Codes, and Regulatory Requirements

Module 4: Visual and Mechanical Inspection Techniques

Module 5: Instrumentation and Process System Inspection

Module 6: Common Defects, Corrosion, and Operational Anomalies

Module 7: Documentation and Reporting of Inspection Findings

Module 8: Preventive and Corrective Actions Based on Inspection

Module 9: Integrating Inspection into Maintenance and Reliability Programs

Module 10: Practical Exercises – Conducting and Reporting a Plant Inspection

Certification

Upon successful completion, participants will receive a Certificate in Process Plant Inspection, acknowledging their expertise in conducting systematic inspections to enhance safety, reliability, and operational efficiency in process plants.

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**

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