MAWA EVENTS

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

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CONSTRUCTION AND BUILDING ENVELOPE INSPECTION TRAINING

"Ensure Structural Integrity, Safety, and Performance Through Expert Building Envelope Inspections."

Schedule

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

Introduction

The building envelope—the exterior shell of a building including walls, roofs, windows, and doors—is critical for structural performance, energy efficiency, and occupant comfort. Poor construction quality or envelope failures can lead to water leakage, energy loss, and long-term structural damage.

The Construction and Building Envelope Inspection Training provides participants with the knowledge and practical skills to assess, inspect, and evaluate building envelopes in both new construction and existing structures. This program covers inspection techniques, material performance evaluation, common defects, troubleshooting, maintenance recommendations, and compliance with safety and building standards. Participants will gain hands-on experience to ensure building durability, safety, and performance.

Objectives

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

- Understand the components, functions, and importance of building envelopes.
- Identify common defects and construction deficiencies in walls, roofs, windows, and doors.
- Conduct visual and technical inspections of building envelopes.
- Evaluate materials and construction techniques for performance and durability.
- Apply best practices for maintenance, repair, and quality assurance.
- Ensure compliance with building codes, safety standards, and sustainability guidelines.
- Use inspection tools, checklists, and reporting techniques effectively.
- Provide recommendations for improving energy efficiency, safety, and longevity of building envelopes.

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Why Attend

With increasing focus on building performance, safety, and sustainability, expertise in building envelope inspection is essential for engineers, architects, and facility managers. This training equips professionals with practical skills to identify issues early, reduce maintenance costs, and ensure optimal building performance. Participants will learn inspection protocols, documentation practices, and real-world troubleshooting methods that enhance both safety and operational efficiency.

Target Audience

This course is suitable for:

- Civil, Structural, and Building Engineers
- Architects and Design Professionals
- Facility and Maintenance Managers
- Quality Control and Inspection Officers
- Project Managers and Construction Supervisors
- Contractors and Skilled Technicians
- HSE (Health, Safety & Environment) Officers

Individual Benefits

- Acquire practical skills in inspecting and evaluating building envelopes.
- Learn to identify defects and propose corrective or preventive measures.
- Improve understanding of materials, construction techniques, and performance criteria.
- Enhance problem-solving and decision-making capabilities in building inspections.
- Increase professional competence and career opportunities in construction and facility management.
- Gain confidence in ensuring compliance with safety, quality, and sustainability standards.

Organizational Benefits

- Reduce long-term maintenance and repair costs through early defect detection.
- Improve safety, durability, and performance of buildings.
- Ensure compliance with building codes, regulations, and industry standards.
- Enhance project quality and reduce construction defects.
- Build in-house expertise for structured inspection and quality assurance programs.
- Support sustainable and energy-efficient building practices.

Instructional Methodology

The training uses a practical, interactive, and hands-on approach:

- Case studies of real building envelope inspection projects
- Step-by-step tutorials for inspection procedures and techniques
- Hands-on exercises with tools, checklists, and reporting methods
- Group discussions and problem-solving workshops
- Assignments focused on evaluating existing and new constructions
- Continuous feedback and Q&A sessions to reinforce learning

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Course Outline

Module 1: Introduction to Building Envelope – Components, Functions, and Importance

Module 2: Common Defects and Failures in Walls, Roofs, Windows, and Doors

Module 3: Visual Inspection Techniques and Tools

Module 4: Material Evaluation – Concrete, Masonry, Cladding, Glazing, and Sealants

Module 5: Moisture, Air, and Thermal Performance Assessment

Module 6: Energy Efficiency and Sustainability Considerations

Module 7: Safety, Compliance, and Quality Standards

Module 8: Maintenance, Repair, and Rehabilitation Recommendations

Module 9: Reporting Techniques and Documentation

Module 10: Capstone Project – Conducting a Comprehensive Building Envelope Inspection

Certification

Upon successful completion, participants will receive a Certificate in Construction and Building Envelope Inspection, validating their expertise in inspection, evaluation, maintenance planning, and quality assurance for building envelopes.

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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