MAWA EVENTS

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

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

SUSTAINABLE DESIGN & CONSTRUCTION – CODES, STANDARDS & BEST PRACTICE

"Integrating Sustainability into the Built Environment through Global Standards and Innovation"

Schedule

Date	Venue	Fees (Face-to-Face)
23 – 25 Jun 2026	Dubai, UAE	USD 2495 per delegate

Introduction

Sustainability is no longer optional in the building industry—it is a strategic imperative. Green design and construction practices not only reduce environmental impact but also enhance long-term economic performance and regulatory compliance. This course offers a deep dive into sustainable building principles, globally recognized codes and certifications (e.g., LEED, BREEAM, Estidama), and emerging technologies shaping sustainable development.

Participants will learn to apply sustainability principles to planning, design, construction, and material selection processes, aligning projects with international and local standards while achieving energy, water, and waste reduction goals.

Objectives

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

- Understand the principles and drivers of sustainable design and green construction
- Apply global codes and certifications such as LEED, BREEAM, and local GCC sustainability standards
- Evaluate material selection, energy systems, and environmental performance in buildings
- Identify best practices in construction site sustainability, resource use, and waste management
- Integrate sustainability across design, procurement, and project delivery stages

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Why Attend

- Gain practical knowledge of sustainability regulations and certifications
- Reduce the environmental footprint of construction projects
- Enhance project value and compliance through green design and operation
- Explore cutting-edge materials, methods, and digital tools for sustainable building
- Support your organization’s ESG and climate responsibility goals

Target Audience

This program is designed for:

- Architects, Civil Engineers, and Design Consultants
- Construction and Project Managers
- Sustainability and ESG Officers
- Real Estate Developers and Urban Planners
- Facilities, Asset, and Operations Managers

Individual Benefits

Key competencies that will be developed include:

- Knowledge of international green building standards and codes
- Integration of passive and active sustainability design features
- Construction best practices for site and environmental management
- Material evaluation for embodied carbon and lifecycle impact
- Assessment of energy efficiency and renewable options

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved compliance with green building codes and certifications
- Reduced utility costs and carbon footprint for new and existing buildings
- More sustainable procurement and construction processes
- Enhanced reputation and investor confidence in project portfolios
- Alignment with corporate sustainability and decarbonization goals

Instructional Methodology

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

- Strategy Briefings – International and regional green building frameworks
- Case Studies – Net-zero buildings, urban eco-developments, retrofitting
- Workshops – Site audits, LEED/BREEAM pre-certification analysis
- Peer Exchange – Sustainability challenges and cross-sector practices
- Tools – Green specs templates, LCA tools, compliance checklists

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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: Sustainability in Design and Construction

- Module 1: Introduction to Sustainable Development in Construction (07:30 – 09:30) • Key principles, drivers, and terminology
- Module 2: Green Building Rating Systems – LEED, BREEAM, Estidama (09:45 – 11:15) • Standards comparison, certification pathways
- Module 3: Sustainable Site Planning and Design Integration (11:30 – 01:00) • Orientation, shading, access to transport, native landscaping
- Module 4: Workshop – Evaluate a Conceptual Sustainable Design (02:00 – 03:30) • Apply rating system criteria to a design scenario

Day 2: Energy, Materials, and Environmental Performance

- Module 5: Energy Efficiency and Building Systems (07:30 – 09:30) • HVAC design, lighting, renewable integration
- Module 6: Water Conservation and Management (09:45 – 11:15) • Low-flow fixtures, reuse, stormwater strategies
- Module 7: Green Materials and Lifecycle Impact (11:30 – 01:00) • Embodied carbon, certifications (FSC, Cradle to Cradle)
- Module 8: Workshop – Assess Materials for LEED Credits (02:00 – 03:30) • Product data review and point estimation

Day 3: Compliance, Construction, and Future Trends

- Module 9: Sustainable Construction Site Practices (07:30 – 09:30) • Erosion control, air quality, site logistics
- Module 10: Regulatory and Local Green Codes (09:45 – 11:15) • Estidama, Dubai Green Building Regulations, KSA SBC
- Module 11: Smart Buildings, Digital Tools, and Future Trends (11:30 – 01:00) • BIM, IoT, net-zero, AI in green building
- Module 12: Final Workshop – Draft a Sustainability Plan for a Real Project (02:00 – 03:30) • Group activity integrating all modules

Certification

Participants will receive a Certificate of Completion in Sustainable Design & Construction – Codes, Standards & Best Practice, validating their expertise in applying sustainability principles, complying with international frameworks, and optimizing building performance for long-term environmental and economic gains.

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**