MAWA EVENTS

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

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

GREEN BUILDINGS DESIGN AND CERTIFICATION

"Designing Sustainable, Energy-Efficient, and Environmentally Responsible Buildings"

Schedule

Date	Venue	Fees (Face-to-Face)
27 – 29 Jul 2026	Doha – Qatar	USD 2495 per delegate

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

Introduction

Green buildings play a vital role in reducing environmental impact, improving energy efficiency, and enhancing occupant health and comfort. With increasing regulatory requirements and sustainability goals, professionals involved in building design and construction must understand green building principles and certification systems.

This intensive 3-day course provides a comprehensive understanding of green building design concepts, sustainable construction practices, and internationally recognized green building certification systems. Participants will gain practical insights into integrating sustainability throughout the building lifecycle, from design to operation, while meeting certification requirements.

Objectives

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

- Understand core principles of green and sustainable building design
- Apply energy-efficient and environmentally responsible design strategies
- Integrate sustainability into architectural, structural, and MEP systems
- Understand green building certification systems and rating criteria
- Support compliance with sustainability standards and regulations
- Contribute to the delivery of certified green building projects

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Why Attend

- Gain practical knowledge of green building design and sustainability
- Understand international green building certification frameworks
- Enhance professional competence in sustainable construction
- Support environmental compliance and corporate sustainability goals
- Improve building performance, efficiency, and lifecycle value
- Stay competitive in the evolving construction and real estate market

Target Audience

This program is designed for:

- Architects and design engineers
- Civil, structural, and MEP engineers
- Project managers and construction managers
- Sustainability and environmental professionals
- Consultants, contractors, and developers
- Professionals involved in green and sustainable building projects

Individual Benefits

Key competencies that will be developed include:

- Strong understanding of green building concepts and principles
- Ability to support sustainable design and construction practices
- Knowledge of green building certification requirements
- Improved coordination between design, construction, and sustainability goals
- Enhanced decision-making for environmentally responsible projects

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved sustainability performance of building projects
- Enhanced compliance with green building standards and regulations
- Reduced energy, water, and operational costs
- Improved environmental and social responsibility
- Increased market value and credibility of building developments

Instructional Methodology

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

- Strategy Briefings – Green building concepts, sustainability principles, and design strategies
- Case Studies – Successful green building projects and certification experiences
- Workshops – Practical exercises on sustainable design and certification requirements
- Peer Exchange – Group discussions on green building challenges and solutions
- Tools – Sustainability checklists, design guidelines, and certification documentation

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Course Outline

Detailed 3-Day 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: Fundamentals of Green Building Design

Module 1: Introduction to Green Buildings (07:30 – 09:30)

- Concept and evolution of green buildings
- Environmental impact of conventional construction
- Benefits of sustainable and green buildings

Module 2: Sustainable Site Planning and Design (09:45 – 11:15)

- Site selection and land use efficiency
- Climate-responsive design and orientation
- Urban sustainability and site ecology

Module 3: Energy-Efficient Building Design (11:30 – 01:00)

- Passive design strategies
- Building envelope performance
- Energy modeling basics

Module 4: Water Efficiency and Resource Management (02:00 – 03:30)

- Water-efficient fixtures and systems
- Rainwater harvesting and reuse
- Sustainable material selection

Day 2: Building Systems and Sustainability Integration

Module 5: Sustainable Structural and Material Design (07:30 – 09:30)

- Low-carbon and recycled materials
- Life cycle assessment (LCA) concepts
- Material sourcing and durability

Module 6: Green MEP Systems (09:45 – 11:15)

- Energy-efficient HVAC systems
- Renewable energy integration
- Smart building technologies

Module 7: Indoor Environmental Quality (11:30 – 01:00)

- Thermal comfort and ventilation
- Daylighting and lighting design
- Acoustic comfort and indoor air quality

Module 8: Construction Practices for Green Buildings (02:00 – 03:30)

- Sustainable construction methods
- Waste management and recycling
- Site environmental management plans

Day 3: Green Building Certification and Project Implementation

Module 9: Overview of Green Building Certification Systems (07:30 – 09:30)

- LEED, GSAS, BREEAM, and Estidama overview
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Certification levels and rating categories

- Documentation and compliance requirements

Module 10: Certification Process and Documentation (09:45 – 11:15)

- Registration and submission procedures
- Credits selection and compliance strategies
- Coordination with design and construction teams

Module 11: Commissioning, Operation, and Performance (11:30 – 01:00)

- Building commissioning and performance testing
- Operations and maintenance considerations
- Post-occupancy evaluation

Module 12: Case Studies and Best Practices (02:00 – 03:30)

- Review of certified green building projects
- Lessons learned and common challenges
- Sustainability roadmap and implementation strategies

Certification

Participants will receive a Certificate of Completion in Green Buildings Design and Certification, validating their understanding of sustainable building design principles, green construction practices, and green building certification processes.

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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