

SUSTAINABLE DESIGN AND CONSTRUCTION: CODES, STANDARDS AND BEST PRACTICE

“Building a Greener Future Through Smart Design and Responsible Construction.”

Schedule

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

► Available delivery methods: In-House Training

Introduction

This training provides an in-depth understanding of sustainability principles, codes, and best practices in modern design and construction. It focuses on integrating environmental responsibility, resource efficiency, and long-term resilience into infrastructure and building projects. Participants will explore global standards, sustainable materials, energy-efficient design, and green construction technologies, gaining the knowledge needed to align projects with international sustainability frameworks.

Objectives

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

- Understand the key principles of sustainable design and construction.
- Apply international sustainability standards and rating systems (LEED, BREEAM, ISO 14001, etc.).
- Identify and use sustainable building materials and construction methods.
- Integrate energy efficiency and waste reduction strategies into project planning.
- Evaluate environmental impacts and carbon footprints of construction projects.
- Implement sustainability best practices in compliance with global and local codes.

Why Attend

This course enables professionals to lead the transition toward environmentally responsible and resource-efficient construction practices. It provides the practical knowledge needed to design and deliver sustainable projects that meet both regulatory and market demands while reducing environmental impact.

Target Audience

- Architects and Design Engineers
- Civil, Structural, and Environmental Engineers
- Project Managers and Construction Supervisors
- Sustainability and Green Building Consultants
- Urban Planners and Developers
- Government and Regulatory Officials

Individual Benefits

- Enhanced knowledge of sustainable design concepts and compliance requirements.
- Ability to incorporate green principles into real-world projects.
- Understanding of major sustainability assessment tools and certifications.
- Improved professional credibility in sustainable infrastructure design.
- Broader career opportunities in green construction and environmental management.

Organizational Benefits

- Alignment with global sustainability goals and ESG frameworks.
- Reduced environmental impact and operational costs.
- Improved compliance with environmental regulations and green codes.
- Enhanced public image and corporate responsibility performance.
- Strengthened innovation and competitiveness in sustainable development.

Instructional Methodology

This course will be delivered through:

- Interactive presentations and expert lectures
- Case studies of green and sustainable projects worldwide
- Group workshops and problem-solving exercises
- Review of sustainability codes and certification requirements
- Open discussions on challenges and practical applications

Course Outline

- Day 1: Fundamentals of Sustainable Design and Construction
- Principles of sustainability and green building
 - Economic, social, and environmental dimensions of sustainability
 - Life cycle thinking and performance-based design
- Day 2: Sustainability Codes, Standards, and Certifications
- Overview of LEED, BREEAM, Estidama, and ISO frameworks
 - National and regional sustainable construction codes
 - Certification procedures and compliance documentation
- Day 3: Sustainable Materials and Construction Practices
- Eco-friendly materials and recycling strategies
 - Low-carbon concrete and sustainable steel options
 - Construction waste management and on-site efficiency
- Day 4: Energy Efficiency and Environmental Management
- Energy modeling and passive design techniques
 - Water conservation and renewable energy integration
 - Carbon footprint assessment and mitigation strategies
- Day 5: Best Practices and Case Studies
- Global examples of successful sustainable projects
 - Policy trends and future directions in sustainable construction
 - Group presentations and action planning for sustainable projects

Certification

Upon successful completion of the course, participants will receive a Certificate of Completion in Sustainable Design and Construction: Codes, Standards and Best Practice Training, recognizing their expertise and commitment to sustainable and environmentally responsible project delivery.

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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