

GREEN BUILDING AND WHOLE BUILDING COMMISSIONING TOOLS TRAINING

“Achieve Sustainable, Efficient, and High-Performance Buildings through Green Practices and Commissioning Tools.”

Schedule

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

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

Introduction

Sustainable building practices and effective commissioning are essential for energy-efficient, environmentally responsible, and high-performing buildings. The Green Building and Whole Building Commissioning Tools Training provides participants with comprehensive knowledge and practical skills to implement green building strategies and use commissioning tools for optimizing building performance.

This course covers green building standards, energy efficiency, building systems commissioning, performance monitoring, and best practices for sustainability. Participants will gain hands-on experience in using commissioning tools to evaluate HVAC, electrical, plumbing, and other building systems, ensuring they operate as intended and meet design goals for energy efficiency and occupant comfort.

Objectives

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

- Understand the principles and benefits of green building and sustainability.
- Apply green building standards and rating systems (LEED, BREEAM, local codes).
- Use whole building commissioning tools to assess and optimize building systems.
- Conduct functional performance testing of HVAC, electrical, and plumbing systems.
- Identify inefficiencies and implement corrective actions to improve building performance.
- Integrate commissioning practices during design, construction, and operation phases.
- Monitor and report building performance data for energy efficiency and sustainability.
- Enhance occupant comfort, safety, and long-term operational savings.

Why Attend

Green building and building commissioning are key to reducing operational costs, environmental impact, and enhancing building performance. This training equips engineers, project managers, and facility managers with practical knowledge and tools to deliver sustainable, energy-efficient, and high-performing buildings that meet modern standards.

Target Audience

This course is suitable for:

- Mechanical, Electrical, and Civil Engineers
- Facility Managers and Building Operators
- Energy Auditors and Sustainability Consultants
- Project Managers and Construction Supervisors
- Architects and Building Designers
- QA/QC Officers and Commissioning Specialists
- Professionals involved in green building projects and building performance optimization

Individual Benefits

- Gain practical skills in building commissioning and green building strategies.
- Learn to use tools for performance testing, monitoring, and optimization.
- Enhance expertise in energy efficiency, sustainability, and occupant comfort.
- Improve problem-solving and decision-making skills for building systems.
- Increase professional credibility and career growth opportunities.
- Gain confidence in delivering high-performing, sustainable building projects.

Organizational Benefits

- Optimize building systems for energy efficiency and operational performance.
- Reduce operational costs, maintenance, and resource wastage.
- Ensure compliance with sustainability standards and green building certifications.
- Improve occupant comfort, safety, and satisfaction.
- Enhance project quality, reliability, and environmental responsibility.
- Build in-house expertise in green building practices and commissioning tools.

Instructional Methodology

The training employs a practical and interactive approach, including:

- Hands-on exercises with commissioning and performance monitoring tools
- Step-by-step tutorials on green building standards and rating systems
- Case studies of sustainable and high-performing building projects
- Group discussions and collaborative problem-solving workshops
- Assignments focused on real-world commissioning and energy efficiency challenges
- Continuous feedback and Q&A sessions to reinforce learning

Course Outline

- Module 1: Introduction to Green Building Principles and Benefits
- Module 2: Overview of Whole Building Commissioning Process
- Module 3: Green Building Standards - LEED, BREEAM, and Local Codes
- Module 4: Commissioning Tools for HVAC, Electrical, and Plumbing Systems
- Module 5: Energy Efficiency and Sustainability in Buildings
- Module 6: Performance Testing and Functional Verification
- Module 7: Monitoring, Reporting, and Data Analysis
- Module 8: Optimizing Building Systems for Efficiency and Comfort
- Module 9: Case Studies - Successful Green and Commissioned Buildings
- Module 10: Capstone Project - Implementing Whole Building Commissioning in a Sustainable Project

Certification

Upon successful completion, participants will receive a Certificate in Green Building and Whole Building Commissioning Tools, validating their expertise in sustainable building practices, energy efficiency, and practical commissioning for high-performing buildings.

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?

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