



## GREEN BUILDING AND ENERGY EFFICIENCY TRAINING



MTBM Group Sdn. Bhd. (1600656-M)

Level 8, MCT Tower, Sky Park, One City, Jalan USJ 25/1, 47650 Subang Jaya, Selangor

**Course Title:** Green Building and Energy Efficiency Training

**Course Validity:** 2 Days

**Validity:** Not Applicable

**HRD Corp Scheme:** Claimable

## **INTRODUCTION**

This 2-day training program is designed to provide participants with comprehensive knowledge of green building concepts and energy efficiency practices. The course covers sustainable design principles, energy management systems, regulatory requirements, and practical strategies to improve energy efficiency and environmental performance in buildings.

## **OBJECTIVE(S):**

- Understand the principles of green building design and energy efficiency.
- Learn about regulatory requirements and green building certification standards.
- Identify and implement strategies to enhance energy efficiency in buildings.
- Gain knowledge of renewable energy integration in green buildings.
- Promote sustainable building practices to reduce environmental impact.

## **TARGET GROUP(S):**

- Architects and engineers.
- Building owners, managers, and maintenance personnel.
- Safety and environmental officers.
- Professionals involved in construction, real estate, and facility management.

**ENTRY REQUIREMENT(S):**

- Able to read, write, and communicate verbally in Malay/English.

**TOPIC(S):**

1. Introduction to Green Building Concepts and Energy Efficiency.
2. Regulatory Framework and Green Building Certification Standards.
3. Energy Management Systems and Technologies.
4. Strategies for Energy Efficiency in Building Design and Operations.
5. Renewable Energy Integration and Sustainable Practices.

**LIST OF REFERENCE BOOK(S):**

- Malaysian Green Building Index (GBI) Standards.
- Leadership in Energy and Environmental Design (LEED) Guidelines.
- ISO 50001: Energy Management Systems.

**LIST OF TEACHING AID(S):**

- LCD projector and computer.
- Green building design templates and case studies.
- Whiteboard with accessories.

**METHODOLOGY(S):**

- Lecture.
- Group discussions and brainstorming sessions.
- Practical exercises on energy efficiency strategies.
- Case study analysis on green building projects.

## TRAINING SCHEDULE

### Day 1

Time	Activity/Topic
8:30 am - 9:00 am	Registration and Introduction
9:00 am - 10:30 am	Topic 1: Introduction to Green Building Concepts and Energy Efficiency
10:30 am - 10:45 am	<b>Morning Tea Break</b>
10:45 am - 12:30 pm	Topic 2: Regulatory Framework and Green Building Certification Standards
12:30 pm - 1:30 pm	<b>Lunch Break</b>
1:30 pm - 3:30 pm	Topic 3: Energy Management Systems and Technologies
3:30 pm - 3:45 pm	<b>Afternoon Tea Break</b>
3:45 pm - 5:00 pm	Practical Exercise: Analyzing Energy Use in Buildings

**TRAINING SCHEDULE**

**Day 2**

Time	Activity/Topic
8:30 am - 9:00 am	Recap of Day 1
9:00 am - 10:30 am	Topic 4: Strategies for Energy Efficiency in Building Design and Operations
10:30 am - 10:45 am	<b>Morning Tea Break</b>
10:45 am - 12:30 pm	Topic 5: Renewable Energy Integration and Sustainable Practices
12:30 pm - 1:30 pm	<b>Lunch Break</b>
1:30 pm - 3:30 pm	Practical Exercise: Developing a Green Building Plan
3:30 pm - 3:45 pm	<b>Afternoon Tea Break</b>
3:45 pm - 5:00 pm	Group Activity: Case Study on Green Building and Energy Efficiency