



## **CIRCULAR ECONOMY PRINCIPLES 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:** Circular Economy Principles Training

**Course Validity:** 2 Days

**Validity:** Not Applicable

**HRD Corp Scheme:** Claimable

## **INTRODUCTION**

This training introduces participants to the fundamental principles of the circular economy, focusing on resource efficiency, waste reduction, life-cycle thinking and sustainable value creation. The programme covers circular economy models, material flow concepts, redesign strategies, recovery systems, and global as well as Malaysian sustainability trends. Participants will learn practical approaches to apply circular principles in operations, product design, procurement and waste management to support organisational sustainability and long-term resilience.

## **OBJECTIVE(S):**

- Understand core concepts and principles of the circular economy.
- Identify linear versus circular value chains in organisations.
- Apply life-cycle thinking to products, processes and services.
- Explore strategies for waste reduction, reuse, recycling and material recovery.
- Understand circular business models and innovation opportunities.
- Integrate circularity into procurement and operational planning.
- Assess environmental and economic benefits of circular initiatives.
- Strengthen organisational sustainability and resource efficiency culture.

**TARGET GROUP(S):**

- Sustainability and ESG Teams
- Environmental Officers and Executives
- Engineers, Technicians and Operations Personnel
- Quality, Procurement and Supply Chain Teams
- Managers, Supervisors and Process Owners
- Waste Management and Resource Efficiency Personnel
- Anyone involved in circularity, sustainability or environmental performance

**ENTRY REQUIREMENT(S):**

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

**TOPIC(S):**

- 1.Introduction to the Circular Economy
- 2.Linear Economy versus Circular Economy Models
- 3.Resource Efficiency and Life-Cycle Thinking
- 4.Material Flow Analysis and Waste Mapping
- 5.Circularity Strategies: Reduce, Reuse, Repair, Remanufacture and Recycle
- 6.Circular Business Models and Innovation Opportunities
- 7.Sustainable Procurement and Supply Chain Integration
- 8.Waste Reduction Techniques and Material Recovery Systems
- 9.Measuring Circular Performance and Environmental Impact
- 10.Case Studies, Tools and Circularity Action Planning

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

- Ellen MacArthur Foundation Circular Economy References
- UNEP Circularity Guidelines
- National Circular Economy Policies (Malaysia)
- ISO 14001:2015 (Environmental Performance Improvement)
- Life-Cycle Assessment (LCA) and Eco-Design Literature

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

- LCD projector
- Circular economy diagrams and material flow visuals
- Case study worksheets
- Waste mapping templates
- Flip chart or whiteboard

**METHODOLOGY(S):**

- Interactive lecture
- Group discussion
- Case studies
- Practical exercises
- Circularity action planning workshop

## TRAINING SCHEDULE

### Day 1

Time	Activity / Topic
8:30 am – 9:00 am	Registration and Introduction
9:00 am – 10:15 am	Topic 1: Introduction to the Circular Economy
10:15 am – 10:30 am	<b>Morning Tea Break</b>
10:30 am – 12:30 pm	Topic 2–3: Linear vs Circular Models and Life-Cycle Thinking
12:30 pm – 1:30 pm	<b>Lunch Break</b>
1:30 pm – 3:30 pm	Topic 4: Material Flow Analysis and Waste Mapping
3:30 pm – 3:45 pm	<b>Afternoon Tea Break</b>
3:45 pm – 5:00 pm	Topic 5: Circularity Strategies (Reduce, Reuse, Repair, Remanufacture and Recycle)

## TRAINING SCHEDULE

### Day 2

Time	Activity / Topic
8:30 am – 9:00 am	Recap of Day 1
9:00 am – 10:15 am	Topic 6: Circular Business Models and Innovation
10:15 am – 10:30 am	<b>Morning Tea Break</b>
10:30 am – 12:30 pm	Topic 7–8: Sustainable Procurement and Material Recovery Systems
12:30 pm – 1:30 pm	<b>Lunch Break</b>
1:30 pm – 3:30 pm	Topic 9: Measuring Circular Performance and Environmental Impact
3:30 pm – 3:45 pm	<b>Afternoon Tea Break</b>
3:45 pm – 5:00 pm	Topic 10: Case Studies, Tools and Circularity Action Planning