



London TDM

# Civil and Construction Engineering Training Courses

**Course Venue:** Malaysia - Kuala Lumpur

**Course Date:** From 02 August 2026 To 06 August 2026

**Course Place:** Royale Chulan Hotel

**Course Fees:** 6,000 USD

## Introduction

Infrastructure Asset Management is a critical discipline for maintaining and improving the value of physical infrastructure assets. This 5-day professional course is designed to equip participants with the knowledge and skills needed to effectively manage and optimize infrastructure assets. It covers various essential aspects, including strategic planning, risk management, lifecycle analysis, and performance measurement, enabling participants to address challenges and make informed decisions.

- Understand the fundamentals of infrastructure asset management.
- Develop strategic asset management plans.
- Learn to implement lifecycle management strategies.
- Assess and mitigate risk in infrastructure management.
- Measure and evaluate asset performance and sustainability.

## Course Outlines

### Day 1: Introduction to Infrastructure Asset Management

- Definition and significance of asset management
- Key principles and concepts
- Introduction to asset lifecycle management
- Role of asset management in public and private sectors
- Case studies and industry examples

### Day 2: Strategic Planning for Asset Management

- Developing asset management policies and strategies
- Setting objectives and performance targets
- Stakeholder engagement and communication
- Aligning asset management with organizational goals
- Tools and techniques for strategic planning

### Day 3: Asset Lifecycle and Risk Management

- Understanding asset lifecycles and decision making
- Risk identification and assessment in asset management
- Developing risk management strategies
- Prioritizing maintenance and renewal investments
- Contingency planning and resilience building

### Day 4: Performance Measurement and Analysis

- Defining asset performance metrics
- Data collection and analysis methodologies
- Benchmarking and best practices
- Enhancing asset performance through continuous improvement
- Case studies of successful performance management

### Day 5: Sustainability and Future Trends

- Incorporating sustainability in asset management
- Emerging technologies and their impact
- Innovation in infrastructure asset management
- Developing a roadmap for sustainable management
- Workshop and group discussions