



London TDM

# Civil and Construction Engineering Training Courses

**Course Venue:** Malaysia - Kuala Lumpur

**Course Date:** From 19 October 2025 To 23 October 2025

**Course Place:** Royale Chulan Hotel

**Course Fees:** 6,000 USD

## Introduction

In the dynamic world of construction, the role of a Quantity Surveyor is crucial for ensuring projects run smoothly and within budget. This 5-day professional course is designed to equip participants with comprehensive knowledge and practical skills in quantity surveying and cost estimation, preparing them for successful careers in the construction industry.

## Objectives

- Understand the fundamentals of quantity surveying and its importance in construction projects.
- Develop skills in cost estimation and management for various types of projects.
- Learn to use industry-standard software and tools for accurate quantity calculations.
- Gain insights into effective contract management and risk assessment strategies.
- Enhance professional development with best practices and ethical considerations.

## Course Outlines

### Day 1: Introduction to Quantity Surveying

- Overview of the Quantity Surveying profession
- The role of Quantity Surveyors in various construction phases
- Key competencies and skills required
- Introduction to construction economics
- Understanding project lifecycles

### Day 2: Basics of Cost Estimation

- Principles of cost estimation
- Types of cost estimates
- Identifying project costs and variables
- Preparing preliminary cost estimates
- Using cost estimation tools and software

### Day 3: Advanced Estimation Techniques

- Detailed measurement techniques
- Estimating for different types of construction projects
- Value engineering and cost-saving strategies
- Risk assessment in cost estimation
- Case studies and practical exercises

### Day 4: Contract Administration and Management

- Understanding construction contracts
- Roles and responsibilities under a contract
- Contract negotiation and management strategies
- Dispute resolution and claims management
- Workshop on contract document preparation

## **Day 5: Professional Practice and Ethics**

- Best practices in quantity surveying
- Ethical considerations and professional conduct
- Networking and career development
- Future trends in the construction industry
- Course review and certification test