London TDM

Mechanical and Electrical Engineering Training Courses

Course Venue: United Kingdom - London

Course Date: From 11 January 2026 To 15 January 2026

Course Place: London Paddington

Course Fees: 7,500 USD

Introduction

This 5-day professional course on BMS (Building Management Systems) Integration is designed to equip participants with the knowledge and skills to effectively integrate and manage BMS in a variety of building environments. Through hands-on sessions and theoretical learning, attendees will explore various aspects of BMS, including design, application, and optimization for energy efficiency and sustainability.

Objectives

- Understand the fundamentals of Building Management Systems.
- Learn various integration techniques for BMS.
- Identify key components and functionalities of BMS.
- Explore software tools used in BMS design and management.
- Adopt best practices for energy efficiency and sustainability in BMS.

Course Outlines

Day 1: Introduction to Building Management Systems

- Overview of Building Management Systems and their importance
- Key components of a typical BMS
- Functions and benefits of BMS in modern buildings
- Current trends and technologies in BMS
- Case studies of successful BMS integrations

Day 2: BMS Components and Architectures

- Detailed study of BMS hardware components
- Software platforms and their roles in BMS
- Network topologies and communication protocols
- Integration of legacy systems with modern BMS
- Scalability and adaptation to changing building needs

Day 3: Integration Techniques and Strategies

- Approaches to integrating various building systems
- Interoperability and standards in BMS
- Tools and methods for effective system integration
- Challenges and solutions in BMS integration
- Workshop on designing a BMS integration plan

Day 4: Tools and Software for BMS Management

- Overview of popular BMS management software
- Data analytics and visualization in BMS
- Energy management and optimization techniques
- Security considerations in BMS implementations
- Hands-on session with BMS software tools

Day 5: Best Practices and Future Trends

- Strategies for maintaining and upgrading BMS
- Best practices in energy efficiency and sustainability
- Exploring future trends and innovations in BMS
- Discussion on IoT and smart buildings integration
- Roundtable discussion and course conclusion