

# € TRAINING

BUILDING MANAGEMENT SYSTEM



23 - 27 September 2019  
London (UK)



# BUILDING MANAGMENT SYSTEM

REF: E6103 DATE: 23 - 27 September 2019 Venue: London (UK) - Fee: 4500 Euro

## Description:

This course suits individuals looking to gain a fundamental understanding of control processes and applications of Direct Digital Controllers DDC in the HVAC sector, Alarm Detection Security Systems and Fire alarm and Detection Systems. It is also suitable for those seeking to enter the field of Building Management System BMS Controls, servicing and engineering.

## Requirements:

The requirements of joining the trainees may have zero experience or intermediate experience or professional experience about BMS and needs to develop their experience more and more about Building Automation System and getting its know how through this course.

## Brief Course Outline:

Introduction to Building Management System.

## Control Basics:

- Basic overview of the control process.
- Sensors: What they are and how they're used.
- Examining how a Controller works
- Understanding Controlled Devices and how they can be used

## Direct Digital Control DDC:

- DDCs: What they are and the functions they can perform.
- Common terminologies associated with DDC.
- Examining basic programming blocks used in a DDC configuration.
- Direct digital controller panel DDC details and how to connect it With HVAC equipment.
- control diagram for HVAC equipment Air handling units AHU, exhaust fans etc..
- Direct digital controller panel DDC and connect it With lighting control panel LCP.
- Motor control centers MCC including variable speed drives VFDs ,fire pump.

## Alarm Detection Security Systems:

- Understanding alarm terminology.
- Overview of different types of alarm systems.
- Outdoor detectors.
- Wireless detectors.
- Microwave & PIR detectors.
- Anti-masking detectors.
- Miniature detectors.
- Pet immune detectors.
- Glass Break detectors.
- Shock & Vibration detectors.
- Planning and installing alarm systems.
- The hardware design.
- The active infrared motion sensor.
- The matrix keypad.
- The power supply unit.
- Microcontroller circuit.
- Motion detector circuit.

## Fire alarm and Detection Systems:

- Basic concept of Fire Alarm and detection System.
- Understand the principle of fire alarm and detection system.
- Components of fire alarm and detection system.
- Maintenance of fire alarm and detection system.