



**EFFECTIVE  
MAINTENANCE FOR  
BUILDINGS MECHANICAL,  
ELECTRICAL & FIRE  
SYSTEM**

**COMFORI SDN BHD**

## Objectives:

- Understanding what mechanical, electrical, and fire systems comprises of.
- Knowing how the operation of each of the systems work.
- Learning the different types of ways to maintain these systems.
- Being able to effectively read the systems' drawing and layout.
- Understanding the functionality of all the equipment and the best maintenance practices.

## Overview:

In this workshop, you will learn and understand the fundamentals of the operations of mechanical, electrical and fire systems in buildings and understand how effective maintenance and cost efficient methods for these systems are important to the company in business and technical terms. In addition, you will learn practical and applicable methods of maintenance suited for your systems during the case study sessions where participants will acquire hands on experience applying what has been learned for the day.

## Modules:

**Module 1: Introduction to Mechanical, Electrical and Fire Systems**

**Module 2: Cold Water Supply System Requirements**

**Module 3: Hot Water Supply System Requirements**

**Module 4: Ventilation Requirements**

**Module 5: Air-Conditioning Principles and Practices**

**Module 6: Introduction to Day 2**

**Module 7: Low Tension Power Distribution System**

**Module 8: Short Circuit and Overload Protection**

**Module 9: Electrical Building Installation Requirements**

**Module 10: Fire Prevention and Protection Practices**