

# Intermediate Level

# BIM Practitioner (MEP) Training Course

## INTRODUCTION

Building Information Modelling (BIM) is the management of information through the whole life cycle of a built asset, BIM enables a virtual information shared-based model to be handled from the design team (architects, surveyors, engineers of various disciplines) main contractors, sub-contractors and to the owner / operator of the building.

This 2-day comprehensive course will lead the participants to learn in REVIT environment from creation of a BIM Project, information required in a building envelope, to implementation of 3D MEP modelling technique, up to Project completion. One of the highlights in this course is to illustrate the interrelationship of Mechanical, Electrical and Plumbing (MEP) systems with Architectural and Structural (Arch. & Struct.) requirements so that the participants will have a better understanding of the importance of co-relationship among different disciplines.

## OBJECTIVE

Upon completion of this two-day training course, the participants will be able to have a basic understanding of BIM Models, and how BIM is able to help managing the project program, tracking the work progress of each trade and reducing abortive work done.

## WHO SHOULD ATTEND?

BS Engineers working for Building / Structural / Building Services Construction companies

BIM Modelers / Consultants working for Architectural, Structural, Quantity Survey and Building Services Consultancy firms, Building Project Management companies, and Developer of the Project.

## PREREQUISITES

Basic knowledge\* with hands-on experience in Revit is required;

\* Please refer to ACI BIM Modelling Practical Course – Basic Level

Completion of Basic BIM training course is preferable

## GENERAL INFORMATION

Venue: Cheung Sha Wan Training Venue

Duration: 2 days (12 hours)

Language: Cantonese supplemented with English material

Methodology: Presentation and experience sharing

## CERTIFICATE AND CPD:

Certificate of successful Completion will be awarded delegates who have attended full course. You may be able to claim CPD hours for your membership at professional bodies.

## COURSE CONTENT

1. Create a Project and Configure project settings
  2. Introduction of MEP Equipment and System requirements
  3. MEP Modelling 1
    - Draw Pipe / Duct in Plan and Section View
    - Draw a Sloped Pipe / Duct
    - Adjust CSD Model
  4. MEP Modelling 2
    - Links with Architectural and Structural Models
    - Clash Detection
    - Combine CBWD opening
  5. Create Pipe and Duct Schedule
  6. Basics of Families
  7. Drawing Production
    - Visibility and Graphic Controls
    - Annotations and Details
    - Tags and Schedule View
    - Sheets, Plotting and Publishing
- (Note: Training in REVIT Environment)