

BIM Training – Foundation Course

Introduction:

The concept of BIM (Building Information Modelling) has existed since the 1970s and the term “ Building Information Model” first appeared in a 1992 paper by G.A. Nederveen and F.P. Tolman but it did not become popularly used until some 10 years later, around 2002.

BIM enables a virtual information shared-based model to be handled from the design team (architects, surveyors, engineers of various disciplines) to main contractors, sub-contractors and then to the owner / operator. This reduces information losses that traditionally occurred when a new team takes ‘ownership’ of the project, and provides more extensive information to owners of the project.

Use of BIM goes beyond the planning and design phase of the project, extending throughout the building life cycle, supporting processes including cost management, construction management, project management and facility operation.

Learning Outcomes:

Upon completion of this one 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.

Course Description:

Introduction of BIM for Project Leader and Project Manager

Course Code for CITF: PBT19-013

Course Outline:

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| 1. Introduction and application of BIM | (0.5 hour) |
| 2. Government Policy in BIM Uses | (0.5 hour) |
| 3. BIM Standards and Typical BIM Software using in Hong Kong | (0.5 hour) |
| 4. BIM Model and Maturity Level | (1 hour) |
| 5. Benefits of implementing BIM along building project life cycle | (0.5 hour) |
| 6. Role of BIM Manager, Modeler and Engineer | (0.5 hour) |
| 7. Experience with BIM Models | (2 hours) |
| 8. Digitalization in Mastering Project Program and Process Review | (1.5 hours) |
| 9. Assignment and End Assessment | (0.5 hour) |

Target Audience:

Project Leaders, Project Managers, Project Consultants

Pre-requisite requirement:

Manager role in Construction Project

Assessment:

Assignment and End Assessment

Award:

A certificate of completion will be awarded to the delegates with 100% of attendance and pass the end assessment.

Maxi. Class Size:16

Medium of Instruction:

Chinese supplemented with English material

Language of Training Materials: English

Duration for Training:

7.5 hours (0900 -1730 and 1 hour lunch)

Course Fee:

HKD 2,000 per head