

# The Hong Kong Institute of Facility Management

## 2011 Training Course & Workshops for BIM in Works Procurement & Financial Management (BIM-WPFM) (CPD11-BIM2)



### Introduction

Following the successful completion of the first round of professional course in application of Building Information Modeling (BIM) in facility management, the HKIFM is organizing another BIM related course with specific focus on works procurements and financial management aspects.

### Course Outline

The course contents would mainly focus on the following areas:

- What is BIM and what are there in the models produced by Revit Architecture 2011?
- What are involved in BIM based procurement approach and what are the considerations required to be taken into account before implementations?
- How could the models be used to facilitate works quantification, costing and cash flow projections?

In addition to the technical training on BIM, facilitators would lead discussions on the applications and future prospects of BIM in the above areas.

Target attendees are facilities managers, quantity surveyors, building surveyors, contracts managers, etc. who are involved in procurement and financial management of works for built assets. To ensure effective and interactive discussions, the class size would be limited to a maximum of eight attendees per class.

### Technical Training

Technical trainings would be provided by isBIM Limited, which is one of the Building Information Modeling (BIM) and Construction Modeling and Control (CMC) consultants in Hong Kong and Mainland China.

### CV of Trainers

Mr Elvis Li, CEO of isBIM Limited will be the BIM Trainer. Elvis has 17 years of experience in project management and over 9 years of experience in planning and implementing BIM project. He is a member of the BIM Expert Committee of the China Commercial Real Estate Association, founding member and board member of the Hong Kong Institute of Building Information Modeling (HKIBIM), and board member of the China Engineering Graphics Society. Elvis is very active in the BIM field and has been invited to speak at many corporate meetings, seminars, events and industry conferences including the HKIFM, HKIA, HKIE, RICS, HKIS, HKICM, HKHA, HKIBIM, CCCERA, Autodesk AU China and Autodesk AU USA.

Mr Anthony Lam, Project Manager of isBIM Limited will be the Revit Trainer. Anthony is a professional member of the Hong Kong Institute of Building Information Modeling (HKIBIM), Certificated BIM design/coordination Manager of China Real Estate Association and Certificated BIM Engineer authorized by Autodesk. Anthony has shared his professional BIM experiences with AECOM, Mott MacDonald, Housing Authority, CRC Construction, Arup, and Hsin Cheong Construction.

### Workshops

Experienced professionals from the appropriate sector and/or HKIFM would lead and facilitate discussions to review the BIM applications and procedures in greater depth, and to explore future potential and developments in applying BIM in the works procurement and financial management aspects.

### Awards

The following certificates would be issued to attendees upon successful completion of the course:

1. Certificate of Competence in BIM-WPFM issued by the HKIFM
2. Autodesk Revit Architectural 2011 Course Completion Certificate

\* Personal data provided as part of an application for registration will, during the process, be used solely for that purpose, and in this connection the data will be handled by the HKIFM. Application data of unsuccessful applicants will be destroyed after the process has been completed. Data of successful applicants will become part of the record file and the data will thereafter be handled by the HKIFM. Under the provisions of the Personal Data (Privacy) Ordinance, applicants have rights to request access to, and the correction of their personal data. Applicants wishing to access or make corrections to their personal data should submit written requests to the HKIFM.

( ) If you do not wish to receive any other information from the HKIFM, please put a tick in the box.

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### Programme

Two courses, each with a total of 15 class hours, covering the same contents as below would be held:

#### Topic

#### Course Outline and Discussion Threads

(1) Introduction of BIM concept and Revit interface

- What is BIM;
- Basic / essential commands in Revit Architecture 2011 (Revit) for producing objects in a building;
- BIM  $\neq$  Revit or AutoCAD;
- BIM itself is not a system software – what should be established before actual applications.

(2) Schedules and material takeoffs in Revit

- What are the quantification and estimating tools available in Revit;
- What are the outputs that could be provided for subjects in geometrical, regular and irregular shapes.

(3) Elemental measurement and costing

- Preparation of schedule of quantities and price lists of elements for a sample residential flat, covering doors, windows, ironmongery, finishing works, sanitary fittings;
- Review of commonalities and possible differences with trade practice and/or Standard Method of Measurements (SMM) for Building Works.

(4) Setting up of library and inclusion of additional dimensions in the models

- What is a parametric database/library;
- How could such parametric library be created;
- The concepts and procedures involved in producing 3D Parametric (with attributes), 4D (with time dimension) and 5D (with quantities and cost) models;
- How would these models facilitate preparation of budgets, anticipated cash flows and valuation of work done.

(5) Conversion and modification of models and problem resolving

- How could 2D drawings be converted into models;
- What are the common/ possible problems resulted from inadequate information in design drawings;
- How could the problems be resolved or alleviated for works quantification, estimating and procurement;
- How would existing models be modified or enhanced with the objective in improving communications with other parties.

Course "A" would be held on 23 and 27 September 2011 (Friday and Tuesday)

Course "B" would be held on 19 and 20 November 2011 (Saturday and Sunday)

The classes would start from 9:00 am to 1:00pm and then from 2:00pm to 5:30pm on each day.

A discount of \$500 in the course fee would be offered to those who have obtained the Certificate of Competence in BIM-FM issued by the HKIFM.

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**Venue :**

isBIM Ltd  
15B Nathan Commercial Bldg,  
430 Nathan Rd, Kowloon

(Seats are limited and reserved  
on a first-come-first-served  
basis)

**Programme :**

Training Course & Workshop

**CPD hour :**

15 hours

**Fee :**

HK\$4,500/person (Members)  
HK\$5,000/person (Non-members)

**Topic:** Training Course and Workshops for  
Building Information Modeling in Works Procurement  
And Financial Management (BIM-WPFM)

**Course "A":** 23 and 27 Sept 2011 (Fri and Tue)

**Course "B":** 19 and 20 Nov 2011 (Sat and Sun)

**Relevant Core Competency :** Information Technology Management and Financial Management

**Registration**

Name: \_\_\_\_\_ (Eng.) \_\_\_\_\_ (Chin.)

Membership No.: \_\_\_\_\_

Company: \_\_\_\_\_

Position: \_\_\_\_\_

Correspondence Address: \_\_\_\_\_

Tel. (Office): \_\_\_\_\_ (Mobile): \_\_\_\_\_

Fax.: \_\_\_\_\_ Email: \_\_\_\_\_

for  Course "A"  Course "B" (please tick as appropriate)

**Payment:**

I enclose a cheque for HK\$ \_\_\_\_\_ payable to "The HKIFM"

(Bank \_\_\_\_\_ / Cheque no. \_\_\_\_\_)

**Notes:**

If typhoon signal no. 8 or above or the black rainstorm warning signal will be hoisted 4 hours before the event starts, the CPD Talk would be cancelled or postponed. Participants will be informed of the cancellation or the re-scheduled date of CPD Talk in due course. The HKIFM reserves its right to cancel or to change the speaker(s) without prior notice.

I agree to all the terms and conditions as contained in this registration form.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**Closing date** for registration:

Course "A" : 15 September 2011

Course "B" : 11 November 2011

Please note that the Education and Membership Committee is currently reviewing the APC mechanism. The proposal for minimum hours of CPD attendance as one of the prerequisite requirements in applying for APC 2011 is being considered.

Please also note that the HKIFM has not arranged any insurance coverage for any participants on any personal accidents or virus infection arising out of this event. Participants should make their own insurance arrangements at their own expenses and expressly waive their claims against the HKIFM whatsoever howsoever.

Interested person may download and complete this registration form & fax to 2537 4426. Completed form should be sent together with a crossed cheque (made payable to "The HKIFM") to Suite 2102 21/F Connaught Commercial Building, 185 Wanchai Road, HK.  
(Tel: 852 2537 0456 Fax: 852 2537 4426 Website: www.hkifm.org.hk)