

1-Day Seminar

Application of BIM in Architecture, Engineering and Construction Industry (AEC)

Organizer :



Co-organizer :



Endorsed by :



Supported by :



Details

Duration : 1 Day

Date : 17 Nov 2015

Time : 9:00 am - 5:30 pm

Venue : Hotel Putra Kuala Lumpur

Jalan Tun Razak

Fee:

Normal – RM 500.00

Early Bird – RM 450.00

(Registration before 17th October 2015)

CPD & CCD approved Points By

BQSM : 3 CPD

LAM : 2 CPD

BEM : 2 CPD

CIDB : 10 CCD

RICS CPD : 7 hours

Who Should Attend

Architects, Engineers, Oil & Gas industry players, Contractors, Quantity Surveyors, Project Managers, Project Coordinators, Designers, Facilities Managers and those are keen to upgrade themselves with technical knowledge and skill of BIM application and BIM Implementation strategies and management skills.

**The organizers reserve the right to change the date and venue without notice*

Introduction

“Building Information Model” (BIM) is a parametric, computable representation of the project design developed by consultants, the contractor, and their subcontractors, including construction details developed by the contractor and its respective consultants and subcontractors that are integrated into the model. BIM is a growing trend in construction industry which is changing the way; that planning, design, construction, and facility operations are conducted and, as such, changing the face of the industry as a whole. The global construction industry is quickly realizing the substantial value of implementing cloud and internet based collaborative BIM and 3D information management methods.

Objectives

- ❖ Increase awareness of BIM among building professionals
- ❖ Introduce benefits of BIM
- ❖ To familiarize with relevant BIM Guidelines
- ❖ Enhance practical BIM skills and implementation

Course Outline

1.0 Introduction to BIM

- 1.1 BIM Definition and Terminology
 - What is BIM?
 - BIM Fundamental
 - BIM Terminology
- 1.2 The differences between 2D, 3D – nD
 - Evolution of BIM
 - 2D CAD, 3D CAD and 3D BIM
 - 3D BIM – nD BIM
- 1.3 BIM uses
 - Value of BIM
 - BIM ROI
 - BIM for Consultant
 - BIM for Contractor
 - BIM for Infrastructure works
 - BIM for Oil & Gas Industry

2.0 BIM Strategy & BIM Manager Role (BMP Case Studies)

- 2.1 BIM Guidelines
 - USA/New Zealand/Finland
 - Korea/UK/Singapore
- 2.2 BMP BIM Guideline
 - Defining Standard
 - Submission Template
- 2.3 BIM Execution Plan
 - Organizational BIM Vision
 - Modeling Plan
 - Staffing Plan
 - System Implementation Plan
 - Corporate Collaboration Plan
 - Corporate Technology Plan

3.0 BIM Technology

- 3.1 Best Practice Approach
 - BIM Adoption Worldwide
 - BIM Adoption in Singapore
 - BIM Approach in Malaysia
- 3.2 BIM Software and File Format
 - Authoring Tools
 - Analysis Tools
 - Coordination tools
 - Model Quantity Takeoff tools
 - File Sharing tools
- 3.3 BIM Technology for FM and operation

4.0 BIM Design Process (BMP Case Studies)

- 4.1 Deliverables
 - BIM Level of Development (LOD)
 - BIM Model Deliverables
- 4.2 Modeling (BMP Case Studies)
 - Architectural Model
 - Civil & Structural Model
 - MEP Model

5.0 Design Coordination & Documentation

- 5.1 Design Review
 - BIM Review Model
 - Drawing & Schedules
- 5.2 Clash Detection & Analysis Report
- 5.3 BIM Model Checking

6.0 Cost Estimating

- 6.1 BIM 5D Work Flow
 - CostX
 - iConstruct
- 6.2 Integration of NavisWork,
 - iConstruct & CostX
 - Export Naviswork/ iConstruct to CostX
- 6.3 iConstruct Data Manipulation
 - iConstruct Integrator routine

OUR SPEAKERS

Paul Nunn



Paul is the director of BMP in Malaysia and BIM Manager of PDC in Australia. His focus is implementing BIM throughout the project delivery cycle with a strong emphasis on the construction phase. His background as a registered architect with 26 years of experience prior to another 5 years working for major contractors as a Senior Design Manager and BIM Manager has given him the desire to use available technologies and processes to challenge and improve the current methods of design management and construction. He is responsible for BMP's project BIM standards development and implementation. Paul's focus is on achieving value for money on all designs by implementing BIM processes for preparing and presenting options and identifying and resolving design issues without compromising quality or client expectations.

Nathan Trevaskis



Nathan is the director of BMP in Malaysia and BIMFIRE in Australia, he has almost 7 years' experience working in the construction, mining, oil & gas industries, playing a key role on a variety of large scale projects across the globe. Nathan provides enthusiastic initiatives on BIM implementation, strategy and management. He adopts a thorough and detailed approach to all projects and has developed expertise in project controls, cost estimating, pre & post contract, administration services, payment certification and valuations. He assisted the United States Army with BIM Implementation and Management. His knowledge and skills proved valuable in the \$300Million (US) Kaneohe Air Base Black Hawk Helicopter Hanger Project. During this placement Nathan conducted BIM training modules to the Honolulu Consultants and throughout their greater North American practices.

Mohd Harris Mohd Ismail



Mohd Harris Ismail first joined the Construction Industry Development Board (CIDB) in 2011 as Deputy Director at the IBS Center before his service is required in the Headquarters under the Information Technology Division in 2012. He now helms the Construction IT Department in CIDB facilitating the development of cutting edge technology for Malaysia's construction industry. He is currently pursuing a PhD in Building Information Modelling (BIM) in Universiti Kebangsaan Malaysia. He is also a Certified Professional for Revit Architecture 2014 (Autodesk) and trained as trainer for Bentley Aecosim and had undergone a training for ArchiCAD and Tekla Structure.

Karthik V



Karthik is the Lead BIM Process Manager at ByBitech LLP in Singapore. He has performed strategic key roles in BIM implementation & Consultation for many projects using Autodesk, Tekla & Bentley platform. He delivered various construction projects ranging from a 3D Modeller, Senior Technical Coordinator, Discipline BIM Manager & BIM Process Manager for Architectural, Structural and MEP disciplines. Having acquired wealth of experience through live project implementations & consultations, Karthik is very much aware of all issues that business face in the AEC industry. Karthik gained valuable experience managing many projects such as Arup, Aedas & A1 Contractors, LTA Projects & HDB Estates – Singapore, Electrified Double Track from Gemas – Johor Bahru Malaysia, Sports Hub, Marina Bay Sands & Singapore Flyer

Ahmad Sha'rainon Md Shaarani



Dr. Ahmad Sha'rainon is the MAFM Secretary and he has over 15 years of experience in Information Technology (IT) and Facilities Management (FM) industry. He graduated with Diploma in Land Surveying from Universiti Teknologi Malaysia (UTM). As an advocate of Total Infrastructure & Facilities Management (TIFM) adoption in the industry, he created Intuitive Business Transformation (IBT) and TIFM-driven revolutions in Malaysia and South East Asian region. This is a comprehensive and well-founded-vision, based on collective best practices, deliverable benchmarks, balanced scorecards, standards, knowledge, and insights of millions of ARCHIBUS users. The teams he assembled had found creative ways to educate the market about the value-driven opportunities that await rapid and successful deployments of TIFM.

TENTATIVE PROGRAMME

Opening

08.00 am - 09.10 am
09.10 am - 09.15 am
09.15 am - 09.30 am

- Registration
- Welcoming Remarks by Sr. Dato' Hj Nik Farid Kamil
- Opening Address by Sr. Halim Rosman

- PNFL
- PNFL & BMP

Session 1

09.30 am - 10.15 am
10.15 am - 11.00 am
11.00 am - 11.30 am

- Introduction to BIM By Mr Mohd Harris Mohd Ismail
- BIM Strategy & BIM Manager Role (BMP Case Studies) by Mr Paul Nunn
- Tea Break

- CIDB
- PDC & BMP

11.30 am - 12.15 pm
12.15 pm - 01.00 pm
01.00 pm - 01.15 pm
01.15 pm - 02.45 pm

- BIM Technology by Dr Ahmad Sha'rainon
- BIM Design Process (BMP Case studies) by Mr Paul Nunn
- Q&A
- Lunch Break

- MAFM
- PDC & BMP

Session 2

02.45 pm - 03.30 pm
03.30 pm - 04.15 pm
04.15 pm - 04.45 pm
04.45 pm - 05.00 pm
05.00 pm - 05.30 pm

- Design Coordination & Documentation by Mr Karthik V
- Cost Estimating by Mr Nathan Trevaskis
- Q&A
- Closing Address
- Tea Break

- ByBitech LLP
- BIMFIRE & BMP

Please forward your form to:
Perunding NFL Sdn. Bhd.
Wisma PNFL, No.8, Jalan Bangsar Utama 9
Bangsar Utama, 59000, Kuala Lumpur
Malaysia

t +6 03-2283 3503
f +6 03-2282 6075
e seminar@pnfl.com.my

GST No. 000776241152



1-Day Seminar

Application Of BIM in Architecture, Engineering and Construction Industry (AEC)

Date : 17 NOV 2015
Time : 9:00 am - 5:30 pm
Venue : Hotel Putra Kuala Lumpur - Jalan Tun Razak
CPD and CCD Point By:
BQSM : 3 CPD | LAM : 2 CPD | BEM : 2 CPD | CIDB : 10 CCD | RICS CPD : 7 hours
Fees : Normal - RM 500.00
Early Bird RM - 450.00 (Registration before 17th October 2015)
Endorsers' Members RM - 450.00
(Inclusive 6% GST)

Attendee Information

-Name 1 : Email : Contact: Designation :
-Name 2 : Email : Contact: Designation :
-Name 3 : Email : Contact: Designation :
-Name 4 : Email : Contact: Designation :

Company Information

-Company Name :
-Address :
-Nature of Business :
-Tel Office : Fax Office :
-Email: : Website :

Payment Information (Kindly attach proof of payment)

-Payment can be bank-in into : Perunding NFL Sdn Bhd, Account No: 3088517620, Public Bank Bangsar Baru
-Crossed Cheque | Money Order | Bank Draft | Postal Order
Issued in favour of 'PERUNDING NFL SDN BHD'

-All payment must be made and fully paid up at least 3 working days before the seminar. Cancellation of this registration is not permitted, however substitution of participant can be considered (3 days before the seminar).

For enquiries, kindly contact Sr. Elaine Chua, En. Izhamuddin or Sr. Amirhosein at 03-2283 3503 or via email seminar@pnfl.com.my

1-Day Seminar

Application Of BIM in Architecture, Engineering and Construction Industry (AEC)