



## BIM FOR MANAGER TRAINING

### Objectives

The main objective of this course is to teach participants on the overall concept of BIM implementation, and the required deliverables, documentations, compliance and collaboration, with usage of BIM tools. After completing this course, participants are expected to be able to:

- ✓ Understand BIM-related roles, responsibilities and job functions
- ✓ Understand all documentation in relation to BIM Deliverables and compliance (e.g., EIR, BEP, BIM Protocols, BIM Standards, etc.)
- ✓ Understand the importance of information management
- ✓ Develop BIM Process Mapping for modeling and coordination
- ✓ Understand CDE deployment
- ✓ Identify which collaboration technology is needed
- ✓ Understand BIM competency and organizational readiness framework
- ✓ Develop comprehensive BEP to underlines all scopes and for BIM Deliverables

### Pre-Requisite

- ✓ Basic knowledge in BIM Concept & Theory
- ✓ Knowledgeable in architectural design, engineering or construction with working experience of minimum 5 years
- ✓ Diploma or Degree holder in AEC related course

## Training Programme Day 1

Chapter	Topic	Duration	Time
Chapter 1	<b>Introduction</b> <ul style="list-style-type: none"> <li>• Roles and responsibilities in BIM Deployment</li> <li>• Fundamentals of BIM Components</li> </ul>	2-Hours	9.00 AM – 11.00 AM
Chapter 2	<b>BIM Technology</b> <ul style="list-style-type: none"> <li>• BIM Tools</li> <li>• Technical issues for BIM Tools</li> </ul>	2-Hours	11.00 AM-1.00 PM
Chapter 3	<b>BIM Protocol</b> <ul style="list-style-type: none"> <li>• BS 1192:2007</li> <li>• PAS 1192-2 2013</li> </ul>	1.5-Hours	2.00 PM-3.30 PM
Chapter 4	<b>Employer Information Requirements (EIR)</b> <ul style="list-style-type: none"> <li>• EIR Development Process</li> <li>• EIR and Contract Document</li> <li>• Discussion &amp; Presentation on EIR</li> </ul>	1.5-Hours	3.30 PM-5.00 PM

## Training Programme Day 2

Chapter	Topic	Duration	Time
Chapter 5	<b>BIM Execution Plan (BEP)</b> <ul style="list-style-type: none"> <li>• Identify BIM Goals and Uses</li> <li>• Designing the BIM Execution Plan</li> <li>• Developing Information Exchanges</li> <li>• Define supporting infrastructure</li> <li>• Pre and Post Contract of BEP</li> <li>• Matrix of Responsibilities of Stakeholders</li> <li>• Task Information Delivery Plan (TIDP)</li> <li>• Project Information Model (PIM)</li> <li>• Discussion &amp; Presentation for BEP</li> </ul>	7-Hours	9.00 AM - 5.00 PM

### Training Programme Day 3

Chapter	Topic	Duration	Time
Chapter 6	<b>BIM Information Management</b> <ul style="list-style-type: none"> <li>• Information Management</li> <li>• BIM Deployment</li> </ul>	2-Hours	9.00 AM - 11.00 AM
Chapter 7	<b>BIM Process Modelling</b> <ul style="list-style-type: none"> <li>• BIM Tools</li> <li>• Technical issues for BIM Tools</li> </ul>	2-Hours	11.00 AM - 1.00 PM
Chapter 8	<b>BIM Protocol</b> <ul style="list-style-type: none"> <li>• Process Mapping</li> <li>• BIM - Reengineering Business Process</li> <li>• BIM Process Map</li> <li>• The National BIM Standard (NBIMS)</li> <li>• BIM Process Modelling Exercise</li> </ul>	3-Hours	2.00 PM- 5.00 PM

### Training Programme Day 4

Chapter	Topic	Duration	Time
Chapter 9	<b>BIM Collaboration</b> <ul style="list-style-type: none"> <li>• Common Data Environment (CDE)</li> <li>• Multi-disciplinary model coordination</li> <li>• Collaboration Technology</li> <li>• Project Folder Structure</li> <li>• BIM Collaboration Exercise</li> <li>• Discussion</li> </ul>	7-Hours	9.00 AM - 5.00 PM

### Training Programme Day 5

Chapter	Topic	Duration	Time
Chapter 10	<b>People &amp; Capability</b> <ul style="list-style-type: none"> <li>• BIM Competency Map</li> <li>• BIM Organisational Readiness</li> <li>• Organisational Checklist</li> </ul>	7-Hours	9.00 AM - 5.00 PM

### Training Programme Day 6

Topic	Duration	Time
Revision	4-Hours	09.00 AM - 01.00 PM
Exam	3-Hours	02.00 PM - 05.00 PM