

Certification Course on

BIM for MEP Coordination

INTRODUCTION

With advent of BIM, the design and installation conflicts among construction elements could be effectively identified, visualized and managed with the use of 3D BIM model. Mechanical, Electrical and Plumbing (MEP) coordination has been identified as one of the most complex tasks of the project delivery process. The BIM for MEP Coordination course aims to provide participants with the necessary knowledge and skills on how to achieve MEP spatial coordination through BIM with a greater degree of accuracy and collaboration. A series of hands-on, collaborative exercises will be conducted to simulate the real-world scenario of the coordination process from model review all the way to BIM translation to field. As such, participants are able to familiarize themselves with better, more efficient practices in MEP modelling, coordination, and collaboration, which will ultimately contribute to productivity and minimize reworks on site.

OBJECTIVES

This course enables participants to:

- Understand the benefits and application of BIM for MEP coordination
- Overcome some of the challenges in the traditional MEP coordination process
- Apply best practices in MEP BIM modelling and coordination

CONTENTS

This course has 5 training focuses:

- **MEP MODEL DEVELOPMENT:** To guide participants how to review, verify, and make full use of the BIM model which is passed from the upstream and develop the BIM model to the level of detail required for construction
- **PROJECT SETUP:** To introduce participants to different project team workflows, including “Big-room” and co-location concepts, as well as setting up project standards prior to modelling
- **MODELLING STRATEGIES:** To guide participants on modelling best practices and more efficient workflows
- **COORDINATION:** To train participants the lean process of MEP coordination through BIM as well as the typical issues in coordination and how best to resolve them
- **BIM TO FIELD:** To introduce participants on BIM application and technologies for field installation to reduce human error and mistranslation in actual installation

LECTURER

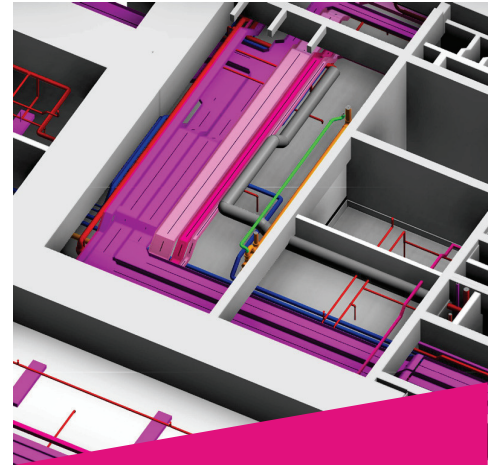
MS MARIANNE AMORES is a Higher Associate in the Centre for Construction IT, BCA. She has extensive industry experience in BIM management and construction coordination. Her current focus in BCA is on BIM implementation for construction as well as Lean and Virtual Design and Construction (VDC).

ASSESSMENT AND AWARD

Certificate of Successful Completion (CSC) will be awarded to participants who meet the attendance requirement and pass the assessment.

PREREQUISITE

Applicants for this BIM for MEP Coordination course should possess BIM MEP modelling experience.



DETAILS

8th Run: TBA
 Duration: 2 days
 Time: 9.00am to 6.00pm
 Venue: BCA Academy

FEES (INCL GST)

S\$925.00 (without subsidy)

In keeping with our green and sustainable practices, course notes will be available in e-format.

*For more information on the funding requirement, please refer to <http://www.bca.gov.sg/manpower/wtu.html>

CPD POINTS

PEB: -

TARGET AUDIENCE

Contractors, subcontractors and specialty contractors



To register, please log into our Online StoreFront (OSF) at <https://eservices.bcaa.edu.sg/registration/#/login> or scan QRcode and search for course code **79059**