

# Supervision of Prefabricated Prefinished Volumetric Construction (PPVC) Projects

## INTRODUCTION

Prefabricated Prefinished Volumetric Construction (PPVC) as one of the game-changing technologies that support the Design for Manufacturing and Assembly (DfMA) methodology to significantly improve productivity and safety onsite, and with fewer onsite headcounts. With the increased adoption of PPVC projects, it is critical that the supervision of projects involving PPVC is conducted efficiently and effectively for a smooth and productive project delivery.

The 2-Day course aims to provide the necessary training for supervisory personnel in the planning and supervision of PPVC projects.

## OBJECTIVES

At the end of the course, the participants would be able to supervise and coordinate PPVC works more effectively. Learning outcomes of the proposed course are as below:

- Appreciate the use of DfMA technologies for better construction productivity
- Describe challenges of PPVC methods compared with traditional and precast construction techniques.
- Apply the process of PPVC production for site planning works
- Plan site arrangement for the PPVC erection works.
- Explain the erection process of PPVC and challenges applied
- Implement quality checks and inspection requirement during production and installation stages.
- Apply the PPVC supervision aspects in a project

## CONTENTS

- Introduction to PPVC
- Comparisons between traditional, precast and PPVC construction
- PPVC Modules Production
- Works at Fit-Out Factory
- Planning and management of site activities
- Erection and construction of PPVC structure
- Quality checks and inspection in construction
- Case study of a completed PPVC (PC or Steel) project
- Discussion and Q&A

## LECTURER

### M Bhvanesvaran (Bonis)

Executive Director, CKR Pre-cast Technology (s) Pte Ltd & Principal Consultant with Global Connection Incorporated Pte Ltd

## ASSESSMENT AND AWARD

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



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 **80078**



## DETAILS

Date: 3 & 4 Aug 2022  
 Duration: 2 days (15 hours)  
 Time: 9.00am – 5.30pm  
 Venue: BCA Braddell Campus  
 Fees (incl of GST):  
 S\$820.00 (without funding)

*WTU funding will be transitioned to SSG funding from 1 Apr 2022. Details of SSG's funding can be found in <https://www.enterprisejobskills.gov.sg/content/upgrade-skills/course-fee-and-absentee-payroll-funding.html>*

## TARGET AUDIENCE

This course is mainly targeted at builders' supervisory personnel such as:

- Assist. C&S Engineer/Assist. Project Manager
- Technical Executive/Project Management Executive
- Following personnel are also welcome to attend the course:
  - Construction Project Engineers
  - Construction/Project Managers

## CPD POINTS

PEB: -