



## Adoption of Technology in Construction Productivity

Using PPVC and IDD to improve efficiency and profits

### Event details

Date:	<b>Tuesday 20 November 2018</b>	
	8:30am registration	
	9:00am start	
	1:00pm finish	
Venue:	<i>To be confirmed</i>	
Cost:	<b>RICS member</b>	SGD150
	<b>Supporting associations</b>	SGD150
	<b>Non-member</b>	SGD180
	All prices exclude 7% GST (M90371993L)	

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RICS is pleased to invite you to attend the half-day seminar on Tuesday, 20 November 2018.

In Singapore, improving productivity has become an important aspect for the construction industry. Higher productivity would strengthen its social standing and long-term development, and within the construction company itself, it would mean greater efficiency, lower costs and increased competitiveness.

Using technologies have become essential in improving construction productivity and there is more than just one type of technology in the construction today.

This upcoming RICS half-day seminar invites local experts to share and discuss on how Prefabricated Prefinished Volumetric Construction (PPVC) and Integrated Digital Delivery (IDD) improve construction productivity and the adoption journey in Singapore's government's strategy for the Construction Industry Transformation Map.

### Accreditations (pending CPD points)

- PEB - 3 PDUs (COA27512)
- SISV (*pending*)
- SPM - 4 CPD points

### More information on PPVC and IDD

#### Prefabricated Prefinished Volumetric Construction (PPVC)

- A technology that supports the DfMA concept to significantly speed up construction.
- Not new in Singapore, but builders are still resistant to use PPVC in their construction despite of the government land sale sites mandate.
- According to BCA, PPVC can potentially achieve a productivity improvement of up to 40% in manpower and time savings.

#### Integrated Digital Delivery (IDD)

- One of the Singapore government strategies in the Construction Industry Transformation.
- An integrated process of the stakeholders in the construction value chain through Information Communication Technology (ICT) and smart technologies.
- Its Construction-Led-Design (CLD) move towards construction productivity and collaborative contracts.

# Seminar agenda

## RICS opening remarks

## Integrated Digital Delivery (IDD) Presentation

**Mr Edmund Leong**, Senior Manager (ITA-BIM, ICT), Straits Construction

## Panel Discussion: Creating a win-win productivity across construction through Integrated Digital Delivery (IDD)

- How is Construction-Led-Design (CLD) through IDD plan accepted by stakeholders in the construction value chain?
- How do stakeholders build the skillset in IDD implementation?
- How can IDD provide cost efficiency and increase profits in a project?
- What are the key issues in coordinating the digital design, manufacturing, construction and management?
- What are the changes in collaborative construction contracts with CLD implementation?
- What are the advantages and disadvantages in the changes in collaborative construction contracts?

### Moderator & Panellists:

- **Mr Edmund Leong**, Senior Manager (ITA-BIM, ICT), Straits Construction
- **Mr Daniel Tay**, Partner, Chan Neo LLP
- **Mr Chandra Hampiholi**, Principal BIM Manager, Surbana Jurong Private Limited
- **Mr Daniels Chandra**, Director-Design Technology, ONG&ONG Group

## Networking tea break

## Presentation on Prefabricated Prefinished Volumetric Construction (PPVC)

### Panel discussion – Harnessing PPVC in the construction: productivity and investment

- What are the key issues in using PPVC if it improves productivity in the construction industry?
- How is the profitable long-term market demand for PPVC?
- How do stakeholders estimate the cost to ensure profitable projects in investing on PPVC?
- What are the barriers in investing in PPVC?
- Case study of a project built with PPVC in Singapore.

### Moderator & Panellists:

- **Mr Allan Tan**, Managing Director, United Tec Construction Pte Ltd
- **Mr Lim Chong Sit**, Managing Director, Robin Village International Pte Ltd

# Adoption of Technology in Construction Productivity

**Date:** 20 November 2018 (Tuesday)

**Time:** 08:30 – 13:00 (Registration starts at 8:30AM)

**Venue:** To be confirmed

**RICS member / Supporting associations fee:** SG\$160.50 (inc. 7% GST)

**Non-member fee:** SG\$192.60 (inc. 7% GST)

**Deadline for registration:** 16 November 2018

**For more information or registration, visit:** [www.rics.org/asean](http://www.rics.org/asean)

For enquiries, please contact the RICS Singapore office at +65 6812 8186. To register, please complete the Registration Form and return it with payment to Ms Jiayi ([ricsasean@rics.org](mailto:ricsasean@rics.org))

## Delegate information

Salutation (Mr/Ms/Dr) \_\_\_\_\_ Surname \_\_\_\_\_ Given Name \_\_\_\_\_

Membership no (if applicable) \_\_\_\_\_

AAS no (if applicable): \_\_\_\_\_

Designation \_\_\_\_\_

Company \_\_\_\_\_

Correspondence address \_\_\_\_\_

Office number \_\_\_\_\_ Mobile \_\_\_\_\_

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### Methods of payment

#### 1. By Online Payment

Please submit your registration online and make payment via credit card to [ricsasean@rics.org](mailto:ricsasean@rics.org)

#### 2. By Cheque

Please mail the crossed cheque made payable in Singapore dollar to "RICS INTERNATIONAL L SPORE B" and attach along with the completed registration form to Ms Jiayi at #27-16, International Plaza, 10 Anson Road. Singapore 079903.

#### 3. By Bank Deposit

Please deposit to the following bank account and email the deposit slip along with the completed registration form to [ricsasean@rics.org](mailto:ricsasean@rics.org)

**Payee:** RICS INTERNATIONAL L SPORE B

**Name of Bank:** The Hongkong and Shanghai Banking Corporation Limited

**Bank Address:** 21 Collyer Quay HSBC Building #01-01 Singapore 049320

**Account No:** 047-859004-001

**Swift Code:** HSBCSGSG

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- No refund can be made for cancellation or "no show" but a substitute delegate is normally permitted. Please inform RICS at least one week prior the event
- Seats will only be confirmed upon receipt of completed registration form together with payment
- Please make sure the exact amount is deposited as no change or refund will be provided
- Incomplete and wrongly completed registration form will not be processed
- Attendance certificates will not be issued for RICS CPD events
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