

INTERNATIONAL BIM COMPETITION 2016

(Computational Design with BIM for DfMA)

About the Competition

- Open for registration till 28 August 2016
- Two submission dates on
 - 7 Sep 2016 - **Intermediate Submission (Local Only)**
 - 9 Sep 2016 - **Final Submission**
- Notify shortlisted participants on 16 September 2016
- **Final Presentation** for shortlisted participants on 23 September 2016
- **Result Finalized** on 28 September 2016
- Registered participants will be informed for sharing sessions arranged by BCA

Topic

- Design of an Exhibition Pavilion with Computational Design and Building Information Modeling (BIM) towards Design for Manufacture and Assembly (DfMA)

Design Challenges

- To encounter the concerns of sustainability (Resource efficiency, Environmental and Social Impact), constructability (Modularity, Prefabrication and Rapid Assembly) and productivity (Maximizing Value and Minimizing Waste).



Image by International BIM Competition 2015 Winner
Victorious Secret
Ding Zi Chen | Tan Sing Yi | Lim Meng Shen | Ng Yu Lun,
Jason Hee Zhan Zhykn | Ng Wee Ping Louis

- ✓ **Learn** from the industry
- ✓ **Build** up BIM skills and knowledge
- ✓ **Generate** innovative solutions

**REGISTRATION
OPEN NOW!**

Judging Criteria	Scorings
Design Quality <ul style="list-style-type: none"> • Overall planning, research, design and presentation 	(30%)
Design for DfMA <ul style="list-style-type: none"> • The ability to demonstrate multiple design options using computational BIM and other design tools to arrive a optimum solution to meet sustainability, productivity and DfMA considerations. (modularity, flexibility, adaptability, multiplicity, etc.) 	(40%)
Project Delivery <ul style="list-style-type: none"> • The ability to demonstrate the design can be constructed easily using standard and modular yet flexible components in the shortest possible erecting time, least costs and manpower. 	(30%)

*Computational BIM considerations to be incorporated strategically at different stages

*Online Training materials provided @ bimsg.org

Prize	Cash Rewards (Sgd)	Plaque & Certificate
First Prize	\$ 5000.00	<ul style="list-style-type: none"> • One Plaque per group • One certificate per member
Second Prize	\$ 3000.00	
Third Prize	\$ 2000.00	
Merit (max. 6nos)	\$ 800.00	
ALL	-	<ul style="list-style-type: none"> • Certificate of Participation

Email Contact for registration	Office Number
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Organized by:

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BCA Academy of the Built Environment is the education and research arm of Singapore's Building and Construction Authority (BCA).

