

Tertiary students shine with charm at the Construction Industry Council BIM Competition 2020

Nine teams of full-time tertiary students from Hong Kong's higher education institutions proved their mettle with an outstanding demonstration of their Building Information Modelling (BIM) knowledge to sweep the top awards.

Generate new wave of Construction 2.0 with BIM

From blueprints to Computer-Aided Design, technological advancement in construction has grown by leaps and bounds. Today, BIM is the future. The process does not only enable architecture, engineering, construction and operation professionals to construct and manage a three-dimensional building model with ease but also use it with a wide range of applications to facilitate collaborative working across geographical boundaries.

With BIM on track to becoming the gold standard, the Construction Industry Council (CIC) launched the CIC BIM Competition in 2019 to increase awareness in the construction industry and the higher education institutions. It also aimed to promote the broad adoption of BIM. Riding on the success of the inaugural competition, CIC held its second BIM Competition in 2020 for tertiary students which provides a platform for the new generation to showcase their BIM knowledge and skills.

Competing under COVID-19 conditions

The restrictions put in place triggered by the coronavirus pandemic did not put a damper on the competitors. Students enthusiastically formed multi-disciplinary teams of three to five each to enter the competition.



Ar. Ada Fung, Chairperson of the Committee on BIM of the CIC (left), presents the award to the Champion – Deadline Fighters 2.0.



Ir Dr. Richard Pang, Director - Industry Development of the CIC (1st left), presents the award to 2nd Runner-up – Busy in Modelling.



The CIC BIM Competition 2020 Award Presentation Ceremony recognises the BIM knowledge and skills of participants.



Ar. Ada Fung, Chairperson of the Committee on BIM of the CIC (left), presents the award to the Champion – Deadline Fighters 2.0.

Ir Thomas TY Chan, Principal Assistant Secretary (Works) of the Development Bureau (1st left), presents the award to 1st Runner-up – Busy in Modelling.

Their task was to design a building model of a student hostel in Kwai Chung district by BIM while fulfilling various criteria. Since the building has to be functional, sustainable and good-looking, the participants needed to be knowledgeable, creative and pragmatic.

To prepare for the first round of the competition, they joined 13 webinars on software training to learn about various BIM software and basic techniques.

The training encouraged them to leverage the technology and collaborate through BIM. Compounding the obstacles created by COVID-19, some students could not return to Hong Kong to participate in the competition physically. But all was not lost as the advanced technology of BIM enabled them to adopt a cloud-based platform and work collaboratively that promotes analytical precision and inspires design innovation.

Round-the-clock challenge

After the first round of judging, nine teams were selected to enter the final stage held on June 13. They had 12 hours to amend their work onsite according to a new set of competition requirements, but every student rose to the challenge of change and did their utmost to perfect their proposals. Each team also refined Modular Integrated Construction (MiC) units in addition to simulating the construction process with BIM applications,

bringing the competition to an entirely new level with the versatile BIM technology.

Commenting on the teams' efforts, Ar. Ada Fung, Chairperson of the Committee on BIM of the CIC, said, "This competition aims to promote the practical use of BIM through collaborative and competitive learning among tertiary students in the design and construction-related disciplines. The overall quality of the submission is higher than last year. It is not only the finalist teams that are winners of the competition, but also the teachers and mentors who gave whole-hearted guidance and support to the participants."

Everyone is an achiever

The competing teams' exceptional effort and dedication paid off as all of them submitted their work to professional standards.

Lifting the Champion trophy is the Deadline Fighters 2.0, comprising students from The Hong Kong University of Science and Technology and The University of Hong Kong. Their impressive submission demonstrated their capable BIM skills in delivering solutions with comprehensive BIM applications. They also provided a wide range of distinctive analyses such as CO2 and Rebar analysis, as well as optimised design with generative methodology.

Sponsored Feature

CIC BIM COMPETITION 2020 WINNING TEAMS

CHAMPION

Team : **DEADLINE FIGHTERS 2.0**
Institutions : The Hong Kong University of Science and Technology
The University of Hong Kong

1ST RUNNER-UP

Team : **BUSY IN MODELLING**
Institution : The University of Hong Kong

2ND RUNNER-UP

Team : **HOMEWORKER**
Institutions : Hong Kong Design Institute
The University of Hong Kong

Team : **WE BUILD**
Institution : The University of Hong Kong

MERIT

Team : **AEC SMARTER**
Institution : The Hong Kong Polytechnic University

Team : **FORMULA OF GRAVITY**
Institutions : Hong Kong Institute of Vocational Education
The Hong Kong Polytechnic University

Team : **GAMCHULIA DESIGN**
Institutions : Chu Hai College of Higher Education
The University of Hong Kong

Team : **IN GAZING HOUSING**
Institutions : Hong Kong Design Institute
Technological and Higher Education Institute of Hong Kong

Team : **SPACE FANATICS**
Institutions : Chu Hai College of Higher Education
The University of Hong Kong



Finalist teams making every effort to refine their proposal onsite within a 12-hour time limit.

More Competition Details:

