

## CITY

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# Construction Industry Council's BIM Competition — a win-win for both the students and the city's construction industry

The Construction Industry Council's first Building Information Modelling Competition was wrapped in success at CIC BIM Space on June 16 as competitors surprised the judges with excellent construction designs in BIM application.

## What's BIM?

When it comes to designing a building, what pops up in people's minds are complicated architect's drawings of lines and measurements that indicate building sections, floor plans and scales.

But this conventional way of building design is too outdated for this digital era, as new technologies and software have allowed architects to present their ideas beyond the two-dimensional drawing on paper.

## New wave in Construction

Building Information Modelling (BIM) - a digital way that presents the architectural designs in three or more dimensions - emerged as the latest global trend to cover the development of a project from planning and design through construction to ongoing maintenance and facility management.

Not only can it frame out a building's structure, BIM shows also other building services information such as the network of water pipes, electricity, air-conditioning, fire services, gas and broadband.

## BIM Competition 2019

In a bid to promote BIM and foster talents in Hong Kong, the Construction Industry Council (CIC) named this year as "CIC BIM Year" and launched a year-round campaign to encourage the construction industry to collaborate on BIM adoption.

A highlight of the campaign, CIC BIM Competition 2019 was organised with the theme of "BIM for Design Collaboration" to unleash Hong Kong's construction industry's potentials and skills in BIM application.



Champion (Open Category): Zeta

## Students vs Stakeholders

The keen competition had two separate groups, namely the open category and the tertiary student category, participated by teams consisting three to five members of practitioners and tertiary students from more than one discipline.

For the tertiary student category, in the race that challenges participants' aesthetic sense and practical skills, only nine teams made it through the first round with their BIM projects on planning a Digital Design and Construction Centre for CIC's Hong Kong Institute of Construction.

The competition on June 15 was taken to another level with increasing difficulty, as participants were given only 12 hours to modify their first-round submissions onsite according to the judges' requests.

## Top industry accolade

Participants made all-out effort to give their best attempt in BIM application and their works were worthy of all the toil and sweat, making the panel struggling in deciding the winner.

The coveted champion trophy of the open



Nine teams selected by judging panel running for the 2<sup>nd</sup> round competition were required to made amendments on the 1<sup>st</sup> round submission onsite within 12 hours



category was awarded to Zeta Team, which showed perfect example of how BIM could deliver an innovative design based on open standards and workflows.

As for the tertiary student category, BuslMan from the University of Hong Kong beat other student groups and bagged the champion award for demonstrating a collaborative effort in using BIM technology and a great sense of creativity on the modern architectural design.

The winning team of tertiary student category will be sponsored a trip to Singapore to attend an international conference.

## Contributing the professions

Speaking at the prize presentation ceremony on June 16, Ar. Ada FUNG, Chairperson, Committee on BIM, praised the teams being able to work under pressure and present high-quality submissions in tight schedule.

"For the open category,

the designs are mature, functional and aesthetic, and the neighboring environment has been considered into the design blended with sustainability elements," she commented.

"For the submissions of tertiary student category, BIM technology has been fully utilised and the architectural designs are new and unique. I look forward to seeing these students joining the construction industry in future and making a contribution to the professions."



Eight tertiary educational institutions formed teams to participate in the competition

## CIC BIM Competition 2019 - List of Winning Teams

### Open Category

Awards	Teams
Champion	Zeta
1st Runner-up	A.C.I.D.
2nd Runner-up	CLP Power Hong Kong Limited Gammon Construction Limited

### Tertiary Student Category

Awards	Teams	Institutions
Champion	BuslMan	The University of Hong Kong
1st Runner-up	ACE Team	City University of Hong Kong
2nd Runner-up	Deadline Fighters	Chu Hai College of Higher Education and The Hong Kong University of Science and Technology
Merit	Cattle	City University of Hong Kong
	ConstrucTopia	The Hong Kong Polytechnic University
	Sole Idea	Technological and Higher Education Institute of Hong Kong
	StrucDeBuild	City University of Hong Kong
	Team ASAP	Chu Hai College of Higher Education and The Hong Kong Institute of Vocational Education
Vireality	Technological and Higher Education Institute of Hong Kong	

### More Competition Details:



Champion (Tertiary Student Category): BuslMan (University of Hong Kong) expressed gratitude to the CIC for organising the competition and providing training to them when receiving an award from Ar. Ada FUNG