



Hong Kong Alliance of Built Asset & Environment  
Information Management Associations  
香港建設資產及環境信息管理聯盟



buildingSMART®  
Hong Kong, China

# HONG KONG openBIM/openGIS AWARDS 2024 Final Presentation



**REGISTER  
NOW**

Date: 7 May 2024 (Tuesday)  
Time: 9:00am – 5:30pm  
Venue: Multi-Purpose Hall,  
Zero Carbon Park, Kowloon Bay  
Format: Hybrid

For Enquires: [openBIMGISAwards2024@hkabaeima.org](mailto:openBIMGISAwards2024@hkabaeima.org)

## Rundown

Time	Program
09:00	<b>Registration</b>
09:30	<b>Welcome Remarks</b> <b>Ar. Prof. Ada FUNG, BBS</b> President of HKABAEIMA and Chairperson of Hong Kong, China Chapter of buildingSMART International
09:40	<b>Introduction to the Awards and Arrangement</b> <b>Prof. Jack CHENG</b> OC Chair of the Hong Kong openBIM/openGIS Awards 2024
09:50	<b>Group Photo (AM Session) – Judges with Finalists, All Audience</b>
10:00	<b>Presentations from Building Project Category – Shortlisted Submissions</b>
11:00	<b>Break</b>
11:15	<b>Presentations from Building Project Category – Shortlisted Submissions</b>
12:30	<b>Lunch</b>
13:45	<b>Group Photo (PM Session) – All Judges, Judges with Finalists, All Audience</b>
14:00	<b>Presentations from Infrastructure Project Category – Shortlisted Submissions</b>
14:45	<b>Presentations from Technology Solution Category – Shortlisted Submissions</b>
15:45	<b>Break</b>
16:00	<b>Presentations from Professional Research Category – Shortlisted Submissions</b>
16:30	<b>Presentations from Student Research Category – Shortlisted Submissions</b>
17:15	<b>Souvenir Presentation to Judges</b>
17:20	<b>Closing Remarks</b> <b>Ar. Prof. Ada FUNG, BBS</b> President of HKABAEIMA and Chairperson of Hong Kong, China Chapter of buildingSMART International
17:30	<b>End of Event</b>

\* The presentation order within one category will be determined randomly on-site



## JUDGING PANEL MEMBERS



Ar. Prof. Ada FUNG



Mr. Aidan MERCER



Mr. Billy WONG



Prof. Calvin KAM



Ar. David FUNG



Ir. George WONG



Prof. Jack CHENG



Dr. Jianfeng LI



Sr. Michael WONG



Ms. Mignone CHENG



Sr. Paul TSUI



Mr. Lai WEI

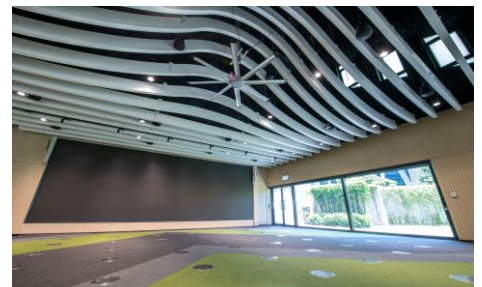
## Sponsor

### Venue Sponsor



建造業零碳天地

Multi-Purpose Hall, Zero Carbon Park, Kowloon Bay



Limited seats available on a first-come-first-served basis.





## List of Finalists

### Building Project Category

- BR1 **Streamlining Project Efficiency and Collaboration Through openBIM IDS and bsDD Integration**  
Chun Wo Construction & Engineering Company Limited
- BR2 **openBIM implementation in the Design and Construction of the District Court at Caroline Hill Road Project**  
Hip Hing Engineering Co Ltd  
FARRELLS
- BR3 **Design and Construction of Drainage Services Department Building at Cheung Sha Wan Sewage Pumping Station**  
Shui On Joint Venture
- BR4 **Prospect Move Forward**  
Hip Hing Engineering Co. Ltd.
- BR5 **Digital Twin of the Motto by Hilton Hong Kong SoHo: Embracing OpenBIM Approach for Smart Building Evolution**  
Global Virtual Design and Construction Limited
- BR6 **Commercial Development on I.L. No. 8945, Causeway Bay, Hong Kong**  
Hip Hing Construction  
Hysan Development  
Chinachem Group  
Foster + Partners  
Ronald Lu & Partners
- BR7 **Kai Tak Sports Park: Delivering a state-of-the-art design of a multipurpose sports complex with open and interoperable processes**  
Culture, Sports and Tourism Bureau, HKSAR  
Kai Tak Sports Park Limited  
Hip Hing Engineering Company Limited  
Populous Limited  
Ove Arup & Partners Hong Kong Limited
- BR8 **Integrating OpenBIM in the Museum Project at Kowloon Park: A Shift in Design, Collaboration, and Tender Preparation**  
Architectural Services Department  
Archpolis Limited
- BR9 **The Henderson: openBIM embedded Digital Twin for Future-proof Building Operation**  
Henderson Land Development Company Limited



### Infrastructure Project Category

- IR1 **Unleashing the potential of openBIM to unify interfacing contracts in Shatin Caverns Project**  
Drainage Services Department  
AECOM  
China State - Alchmex Joint Venture
- IR2 **Optimising Reliability and Maintainability of Desalination Plants through OpenBIM and OpenGIS Integration: Addressing Climate Change and Ensuring Water Resilience**  
Water Supplies Department, Government of Hong Kong Special Administrative Region
- IR3 **Boardwalk Underneath Island Eastern Corridor**  
IEC Boardwalk JV

### Technology Solution Category

- TS1 **ETE OpenBIM/OpenGIS Solution**  
WSP Asia Ltd.
- TS2 **Transforming MEP Project Handover Practices: Embracing BCF, bSDD, IDS, IFC, and openBIM into BIM-Asset Management Life Cycle**  
Electrical and Mechanical Services Department, The Government of the HKSAR
- TS3 **Advancing Sustainability and Resilience in Raw Water Supply Systems: A Holistic Approach for Energy Management, Carbon Footprint Reduction, and Climate Resilience Optimized by OpenBIM, OpenGIS Integration, AI, and IoT**  
Water Supplies Department, Government of Hong Kong Special Administrative Region
- TS4 **ZWING openBIM - an independent openBIM auditing platform for the whole project life cycle featuring IDS, bSDD, BCF, openGIS, and AI embedding Small Language Model (SLM) on IDS for CLP Power Hong Kong Limited**  
ZWING Innovation Limited



### Professional Research Category

- PR1 **Automatic City Body Check by Harnessing the Power of AI and Open Geographical Big Data**  
The University of Hong Kong
- PR2 **Advancing Code Compliance Checking: Research and Development of Automated OpenBIM Checking for General Building Plans Submissions**  
Architectural Services Department  
AECOM Asia Company Limited

### Student Research Category

- SR1 **Automated Construction Embodied Carbon Assessment and Tracking based on openBIM and openGIS**  
The Hong Kong University of Science and Technology
- SR2 **Minimizing Redundancy, Maximizing Traceability in OpenBIM/OpenGIS: A Blockchain 3.0 Virtual Disk for Built Assets Data Exchange**  
The University of Hong Kong
- SR3 **An Interactive LLM-based Framework for Spatial Relationship Query between openBIM Elements with IFC4 Schema**  
The Hong Kong University of Science and Technology



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## Supporting Organisations



中華人民共和國香港特別行政區政府  
發展局  
Development Bureau  
The Government of the Hong Kong Special Administrative Region  
of the People's Republic of China



中華人民共和國香港特別行政區政府  
政府資訊科技總監辦公室  
Office of the Government Chief Information Officer  
The Government of the Hong Kong Special Administrative Region  
of the People's Republic of China



AIA Hong Kong  
A Chapter of The American Institute of Architects



AIBB  
Asian Institute of Building Builders



建築署  
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ASCE 美國土木工程師學會  
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DEPARTMENT OF  
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建築及房地產學系  
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chartered  
association of  
building  
engineers  
Hong Kong Chapter



CIBSE  
Hong Kong



土木工程拓展署  
Civil Engineering and  
Development Department



CONSTRUCTION  
INDUSTRY COUNCIL  
建造業議會



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ices



CIOB  
The Chartered  
Institute of Building



CLP 中電



Department of  
Architecture and Civil Engineering  
香港城市大學  
City University of Hong Kong



渠務署  
Drainage Services Department



機電工程署  
EMSD



粵港澳大灣區城市建築學會 (香港)  
GBA Greater Bay Area Institute Of Urban Architecture (Hong Kong)



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Hong Kong



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HK Electric  
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CBIM  
Building Information Modeling  
Information System



香港房屋委員會  
Hong Kong Housing Authority



HONG KONG  
HOUSING SOCIETY  
香港房屋協會



THE HONG KONG INSTITUTE OF  
PLANNING AND SURVEYING  
香港規劃師學會



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THE HONG KONG INSTITUTE OF PLANNERS



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The Hong Kong Institute of  
Building Information Modeling  
香港建築信息模擬學會



HKIIM  
The Hong Kong Institute of  
Infrastructure Management



HKICM  
Hong Kong Institute of  
Construction Managers  
香港營造師學會



香港房屋經理學會  
The Hong Kong Institute of Housing  
1980年設立 1980年設立  
1987年改組為現時的第107號成立 1987年改組為現時的第107號成立  
2007年獲香港房屋委員會認可為專業機構 2007年獲香港房屋委員會認可為專業機構



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INSTITUTION OF ENGINEERS  
香港工程師學會



HKIPM  
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Professional Management



THE HONG KONG INSTITUTE OF  
SURVEYORS  
香港測量師學會  
Inheriting HKIS Values 傳承·專業價值



THE UNIVERSITY OF HONG KONG 香港大學  
faculty of architecture 建築學院  
Department of Real Estate and Construction  
房地產及建設系



香港科技大學  
THE HONG KONG  
UNIVERSITY OF SCIENCE  
AND TECHNOLOGY



路政署  
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DEPARTMENT



ice  
Hong Kong



IET The Institution of  
Engineering and Technology



創新科技署  
Innovation and Technology Commission



IVE  
Member of VTC Group  
VTC 成員



Lingnan 嶺南大學  
University 香港 Hong Kong



LS&M  
Logistics and Supply Chain MultiTech R&D Centre  
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SCC  
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Smart City Consortium



高科院  
Thei  
Member of VTC Group  
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煤氣  
Towngas



水務署  
Water Supplies Department



市區重建局  
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