



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

Rundown

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

* 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

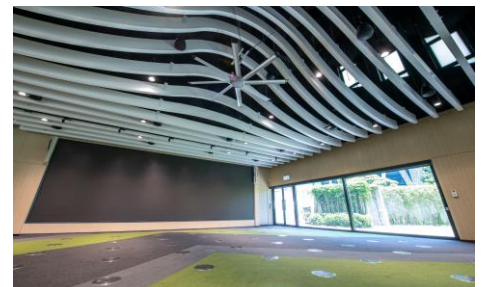
Sponsor

Venue Sponsor

Multi-Purpose Hall, Zero Carbon Park, Kowloon Bay



建造業零碳天地



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



List of Finalists

Building Project Category

- BP1 **Streamlining Project Efficiency and Collaboration Through openBIM IDS and bsDD Integration**
Chun Wo Construction & Engineering Company Limited
- BP2 **openBIM implementation in the Design and Construction of the District Court at Caroline Hill Road Project**
Hip Hing Engineering Co Ltd
FARRELLS
- BP3 **Design and Construction of Drainage Services Department Building at Cheung Sha Wan Sewage Pumping Station**
Shui On Joint Venture
- BP4 **Prospect Move Forward**
Hip Hing Engineering Co. Ltd.
- BP5 **Digital Twin of the Motto by Hilton Hong Kong SoHo: Embracing OpenBIM Approach for Smart Building Evolution**
Global Virtual Design and Construction Limited
- BP6 **Commercial Development on I.L. No. 8945, Causeway Bay, Hong Kong**
Hip Hing Construction
Hysan Development
Chinachem Group
Foster + Partners
Ronald Lu & Partners
- BP7 **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
- BP8 **Integrating OpenBIM in the Museum Project at Kowloon Park: A Shift in Design, Collaboration, and Tender Preparation**
Architectural Services Department
Archpolis Limited
- BP9 **The Henderson: openBIM embedded Digital Twin for Future-proof Building Operation**
Henderson Land Development Company Limited



Infrastructure Project Category

- IP1 **Unleashing the potential of openBIM to unify interfacing contracts in Shatin Caverns Project**
Drainage Services Department
AECOM
China State - Alchmex Joint Venture
- IP2 **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
- IP3 **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



HONGKONG
openBIM/openGIS
AWARDS 2024
Final Presentation

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



ATA Hong Kong
A Chapter of The American Institute of Architects



AIBB
Asian Institute of Building Builders



建築署
Architectural Services
Department



ASCE 美國土木工程師學會
大中華分會
GREATER CHINA SECTION



BUILDINGS
DEPARTMENT



BEAM
建築環保評估協會



DEPARTMENT OF
BUILDING & REAL ESTATE
建築及房地產學系
INTERNATIONAL · COLLABORATIVE · CONSTRUCTION



cabe
chartered
association of building
engineers
Hong Kong Chapter



CIBSE
Hong Kong



CEDD 土木工程拓展署
Civil Engineering and
Development Department



CONSTRUCTION
INDUSTRY COUNCIL
建造業議會



chartered
ices



CIOB
The Chartered
Institute of Building



CLP 中電



CityU 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



GHM Greater Bay Area Institute Of Urban Architecture (Hong Kong)



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



GS1
Hong Kong



港燈 130
HK Electric
推動永續未來
Powering
for Sustainability



HKGBC
香港綠色建築議會



Hong Kong
Geographic
Information System
Association



CBIM
The Hong Kong Institute of Building Information Modelling



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
DIPLOMATIC ARCHITECTURE



香港規劃師學會
THE HONG KONG INSTITUTE OF PLANNERS



香港建築師學會
The Hong Kong Institute of Architects



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



MKIBIM
The Hong Kong Institute of Building Information Modelling



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
1982年設立 / Established in 1982
1987年獲香港測量師學會註冊 / Incorporated in 1987 under Cap. 507, Law of Hong Kong
2007年獲香港測量師學會認可專業團體 / MRCA Recognized Professional Body in 2007



HKIE THE HONG KONG
INSTITUTE OF ENGINEERS
香港工程師學會



HKIPM



THE HONG KONG INSTITUTE OF
SURVEYORS
香港測量師學會
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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
HIGHWAYS
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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



LSM
Logistics and Supply Chain MultiTech R&D Centre
物流及供應鏈多元技術研發中心



規劃署
PLANNING
DEPARTMENT



REDA
香港地產建設商會



SCC
智慧城市聯盟
Smart City Consortium



高科院
Thei
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煤氣
Towngas



水務署
Water Supplies Department



市區重建局
URBAN RENEWAL
AUTHORITY

