



創科跨越挑戰  
締造無限可能

Rise Above the Challenges  
with Innovation

# OpenBIM and Construction Technology



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



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





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## OpenBIM, Open Opportunities to Build a Better World



### **Ar Prof Ada Fung, BBS**

President, HKABAEIMA

Chairperson, Hong Kong Chapter of buildingSMART International

Chairperson, Committee on BIM, Construction Industry Council (CIC)

Board Director, Logistics and Supply Chain MultiTech R&D Centre (LSCM)



# “Build a Better World”

## Healthy, Safe, Smart & Green within 1.5 degrees



**One planet**  
handle with care



International  
Resource  
Panel



We have only **ONE Planet Earth**.  
Please use it wisely!

**CATALYSING SCIENCE-  
BASED POLICY ACTION  
ON SUSTAINABLE  
CONSUMPTION AND  
PRODUCTION:**

**The value-chain approach  
& its application to food,  
construction and textiles**

A report of the joint Task Group of  
the International Resource Panel and  
the One Planet network

Source: United Nations Environment Programme (2021). Catalysing Science-based Policy action on Sustainable Consumption and Production – The value-chain approach & its application to food, construction and textiles.

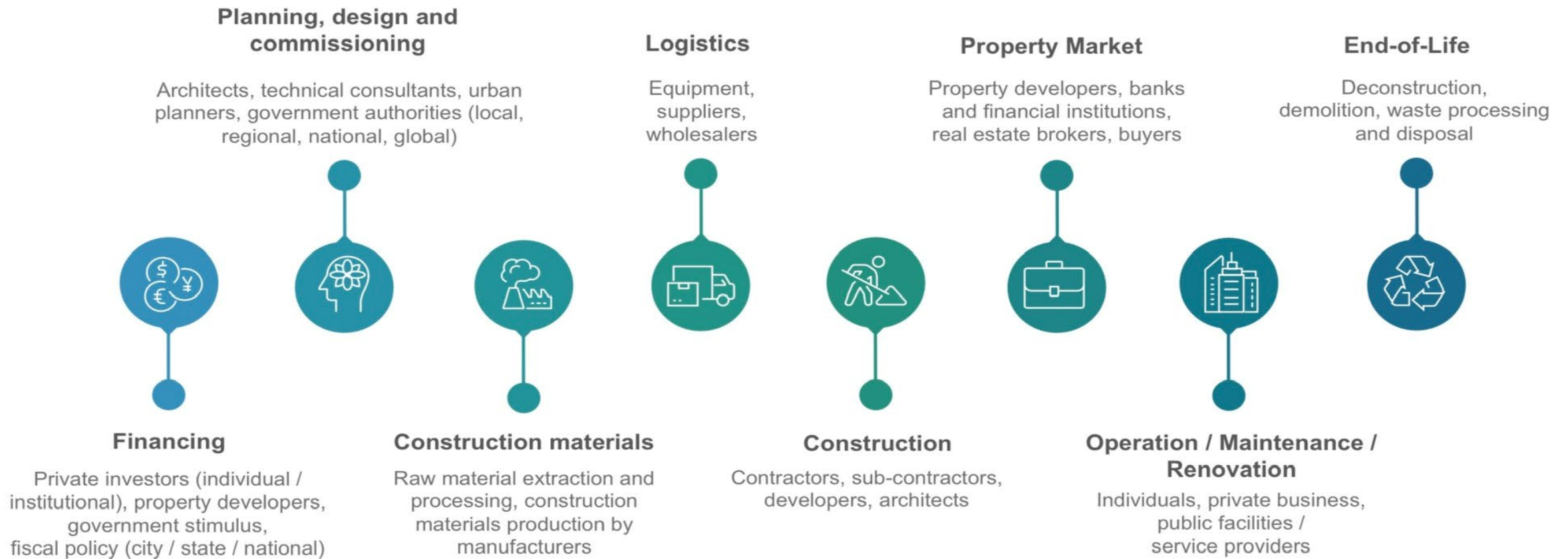


| CHALLENGES  | OPPORTUNITIES   |
|---|---|
| <p><b>1) What type of construction is built and used, and where?</b></p> <p>Different types of construction built in different locations and regions. contribute in different ways to meeting needs of societies and achieving the sustainable development goals, and can cause different pressures on use of resources and environmental impact</p>  | <p>Promote and enable adequate and sustainable construction</p>   |
| <p><b>2) How much is being built?</b></p> <p>The construction market is growing worldwide, which causes pressures on resources and environmental impacts. However, construction does not necessarily follow demand. For example, empty buildings and property speculation is registered in many developed countries, while there is a construction gap in developing countries.</p>                 | <p>Align development needs with supply of construction worldwide</p>  |
| <p><b>3) How are they being built and used?</b></p> <p>The impacts of construction are associated with: type and amount of construction materials used, consumption of resources in the operation of buildings, and construction and demolition processes. Changing design, construction and use practices is fundamental to use resources more efficiently and reducing environmental impacts.</p> | <p>Adopt more sustainable practices relating to the manufacturing of construction products and the design, construction and use of buildings and infrastructure</p> |

**Table 5:** key challenges and opportunities for addressing natural resource use and environmental impacts along construction value chains

Source: United Nations Environment Programme (2021). Catalysing Science-based Policy action on Sustainable Consumption and Production – The value-chain approach & its application to food, construction and textiles.





**Figure 7:** Stages of the construction value chain

Source: United Nations Environment Programme (2021). Catalysing Science-based Policy action on Sustainable Consumption and Production – The value-chain approach & its application to food, construction and textiles.



# Green buildings to meet Sustainable Development Goals



WORLD GREEN BUILDING COUNCIL

SUSTAINABLE DEVELOPMENT GOALS



Green buildings can improve people's health & wellbeing

Green buildings can use renewable energy, becoming cheaper to run

Building green infrastructure creates jobs & boosts the economy

Green building design can spur innovation & contribute to climate resilient infrastructure

Green buildings are the fabric of sustainable communities & cities

Green buildings use 'circular' principles, where resources aren't wasted

Green buildings produce fewer emissions, helping to combat climate change

Green buildings can improve biodiversity, save water resources & help to protect forests

Through building green we create strong, global partnerships

3 GOOD HEALTH AND WELL-BEING

7 AFFORDABLE AND CLEAN ENERGY

8 DECENT WORK AND ECONOMIC GROWTH

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

11 SUSTAINABLE CITIES AND COMMUNITIES

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

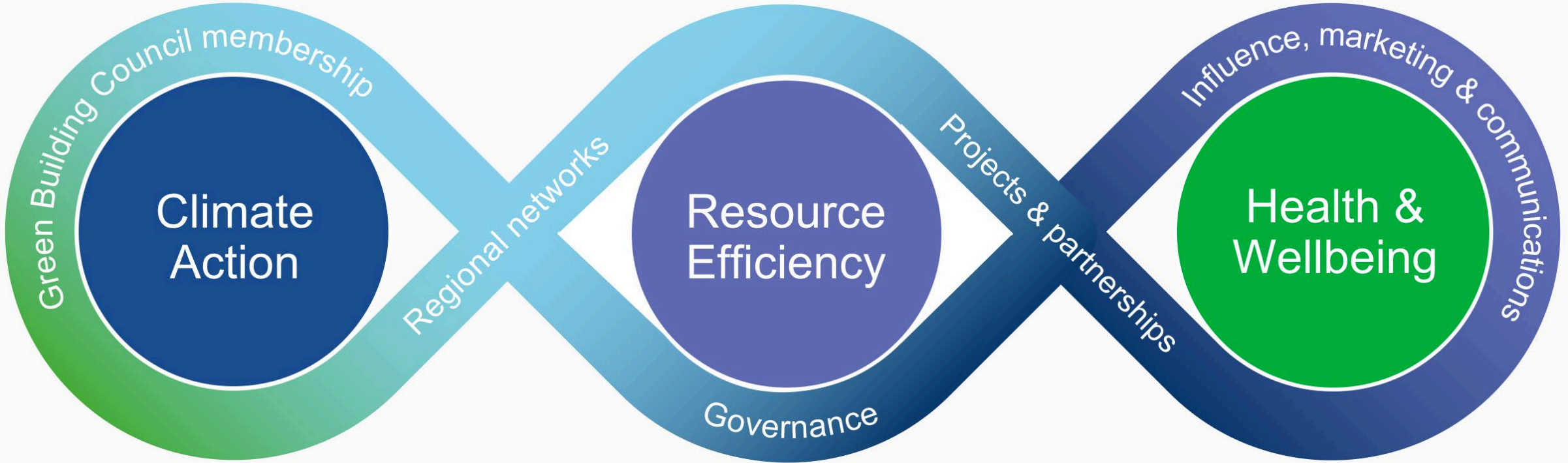
13 CLIMATE ACTION

15 LIFE ON LAND

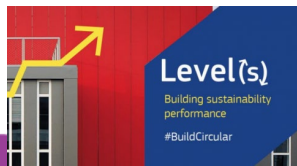
17 PARTNERSHIPS FOR THE GOALS



# Our Strategy: drive sector impact



**ADVANCING  
NET ZERO**



**WORLD  
GREEN  
BUILDING  
COUNCIL**



# Hong Kong Special Administrative Region



Population < 7.5M

Land 1,100 km<sup>2</sup>

Built up area 25%

High-rise

High density

Compact city

Subtropical climate

Hilly terrain





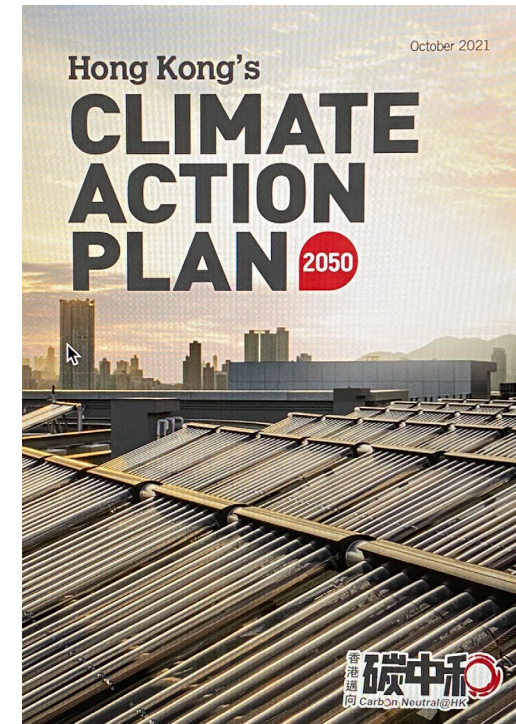


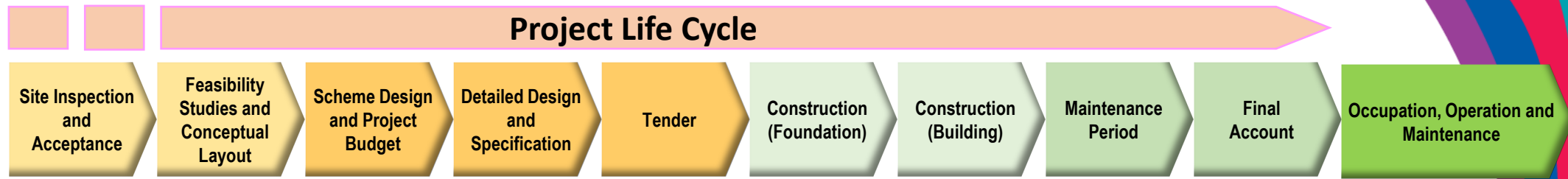
## “Build a Better World”

Healthy, Safe, Smart & Green within 1.5 degrees

Caring for People  
Caring for Environment  
Decarbonize before **2050**

- From Macro level to Micro level
- We need Trusted Data





## Technical Studies for Potential Sites

1. Air Ventilation Assessment
2. Microclimate Studies
3. Retail Viability Study
4. Project Feasibility Studies
5. Architectural Feasibility Studies
6. Site Potential Studies
7. Visual Impact Assessment
8. Heritage Impact Assessment
9. Ecological Assessment
10. Land Use Studies
11. Planning and Engineering Study
12. Environmental Assessment Study
13. Air Quality Objectives Assessment
14. Odour Assessment
15. Chimney Emission Impact Assessment
16. Traffic Impact Assessment
17. Drainage Impact Assessment
18. Sewerage Impact Assessment
19. Land Decontamination Study
20. Ground Assessment
21. Natural Terrain Hazardous Study
22. Potentially Hazardous Installations Assessment
23. Tree Survey
24. Condition Survey for Existing Building
25. Land Surveying
26. Archeological Study
27. Landscape Impact Assessment



# PASSIVE DESIGN: BRINGING BREEZE AND AIR

## Corridors for the WIND



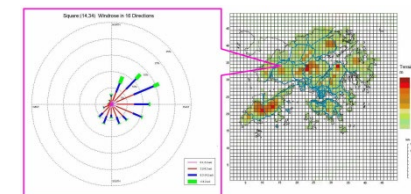
To Enhance Wind :

- Two wind corridors
- Large building separation
- Orientation of blocks in parallel with prevailing wind direction
- Ground floor empty bays

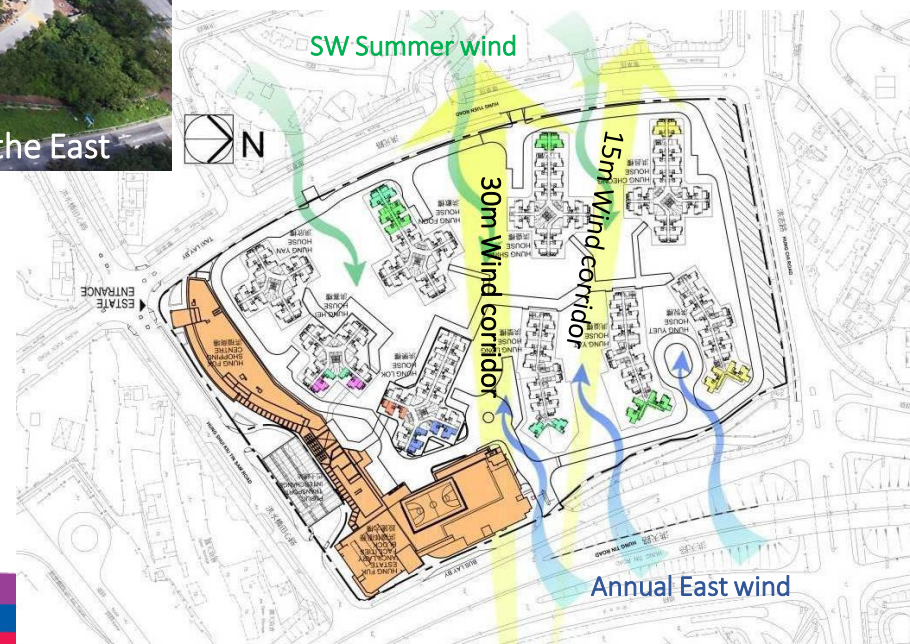
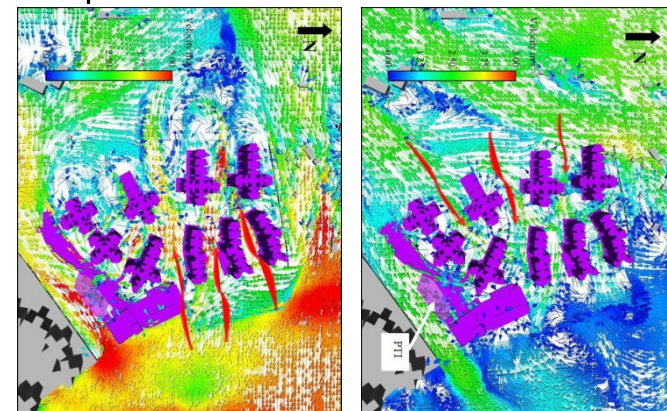
Comparing with a baseline scheme, the design results **37.8% improvement** in wind velocity ratio within the development.

**Average wind speed at pedestrian level**

- ranges from 1.2 to 3.1 m/s under summer South-west wind.
- around 2.5 m/s under annual East wind.



Computer Simulation on Wind Performance





[Home](#) » [About](#) » openBIM

**openBIM®** extends the benefits of BIM (Building Information Modeling) by improving the accessibility, usability, management and sustainability of digital data in the built asset industry. At its core, openBIM is a collaborative process that is vendor-neutral. openBIM processes can be defined as sharable project information that supports seamless collaboration for all project participants. openBIM facilitates interoperability to benefit projects and assets throughout their lifecycle

openBIM ensures that:

- 1. Interoperability** is key to the digital transformation in the built asset industry
- 2. Open** and neutral standards should be developed to facilitate interoperability
- 3. Reliable** data exchanges depend on independent quality benchmarks
- 4. Collaboration** workflows are enhanced by open and agile data formats
- 5. Flexibility** of choice of technology creates more value to all stakeholders
- 6. Sustainability** is safeguarded by long-term interoperable data standards

<https://www.buildingsmart.org/about/openbim/>



# BIM & GIS Integration

While BIM is the digital representation of a built asset; geographic information system (GIS) is a framework for gathering, managing & analysing data.

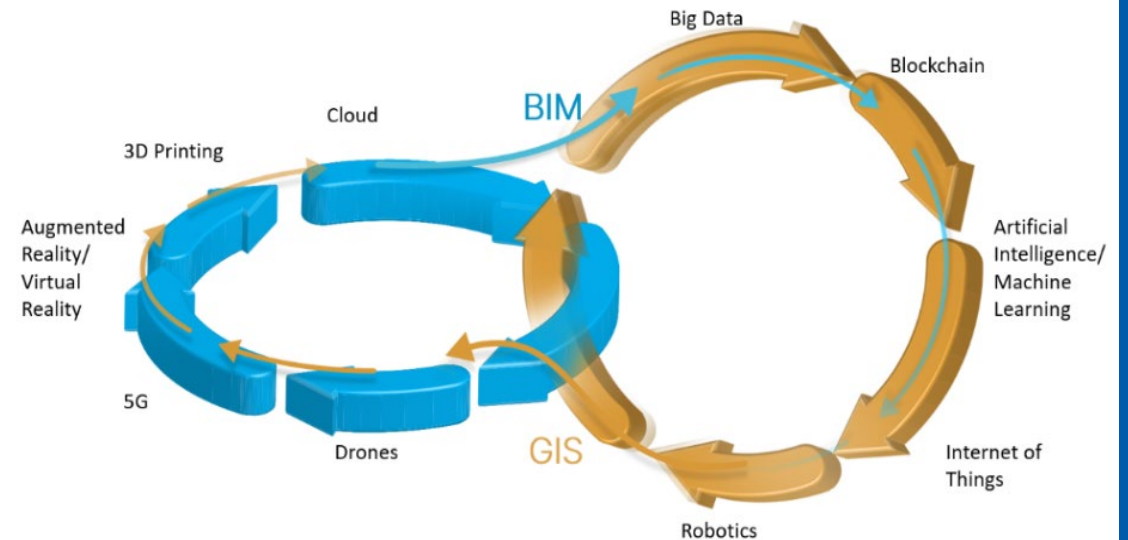
GIS analyses spatial location and organises layers of information into visualisations using maps and 3D scenes.

The use of BIM (asset) & GIS (spatial) data supports applications across virtually all sectors of human activities:

- Topographic Basemaps
- Land Records
- Disaster / Emergency Management
- Urban & Regional Planning
- Census
- Environmental Management
- Health Care
- Education
- Economic Development
- Transportation / Routing / Logistics
- City Services Management
- Utility Management / Telecommunications placement

TC > ISO/TC 59/SC 13

**ISO/TR 23262:2021**  
**GIS (geospatial) / BIM**  
**interoperability**



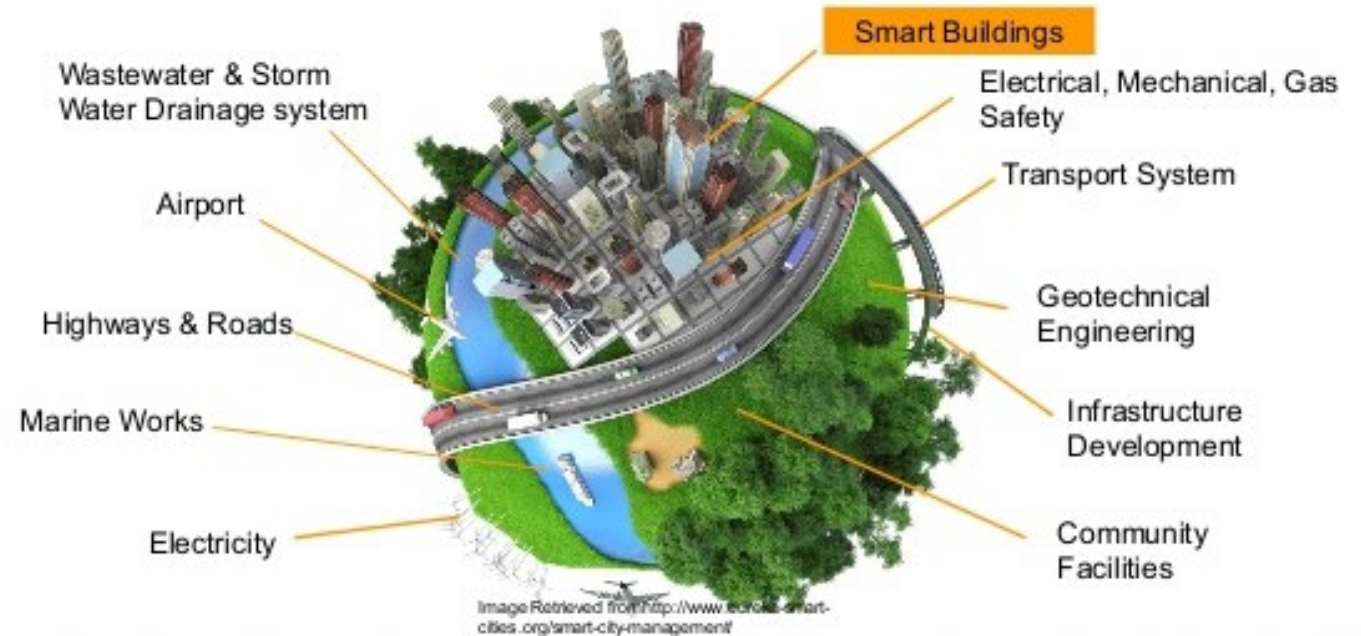
Both GIS and BIM deal with the issues of graphical, non-graphical information and documentation. Each has different technology, delivery formats and data standards to support their approach and resolve their perspective challenges. The professionals should spell intended applications for designing the data flow from BIM to GIS at different stage of project life cycle. The development of open formats using API based approaches is recommended by both to facilitate information exchanges. The integration of BIM and GIS involves the matching of entities in the IFC (BIM) and the CityGML (GIS) schema. However, not all the entities are well defined and documented under these two schemas and this will lead to confusion and inconsistencies in the matching process.

# Building Smart Cities with Digital Transformation

## Smart City is built with smart infrastructure & smart buildings

The use of BIM & GIS (spatial) data supports applications across virtually all sectors of human activities.

- Topographic Basemaps;
- Land Records;
- Utility Management;
- Telecommunications;
- Disaster Management;
- Urban & Regional Planning;
- Census;
- Environmental Management;
- Health Care;
- Education;
- Logistics;
- Economic Development



All service providers work together wisely for sustainable economic growth & a high quality of life.

**We need** trusted information to **build a better world.**

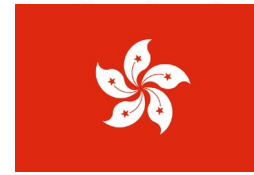
**We join** buildingSMART, drive **openBIM** through membership, training, R&D, Awards.

**We seek** **open opportunities** to collaborate with like-minded organizations.





# OpenBIM in HKSAR



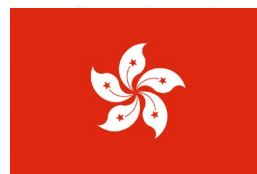
Hong Kong Alliance of Built Asset & Environment  
Information Management Associations  
香港建設資產及環境信息管理聯盟



CONSTRUCTION  
INDUSTRY COUNCIL  
建造業議會



# OpenBIM in HKSAR



**CONSTRUCTION  
INDUSTRY COUNCIL**  
建造業議會



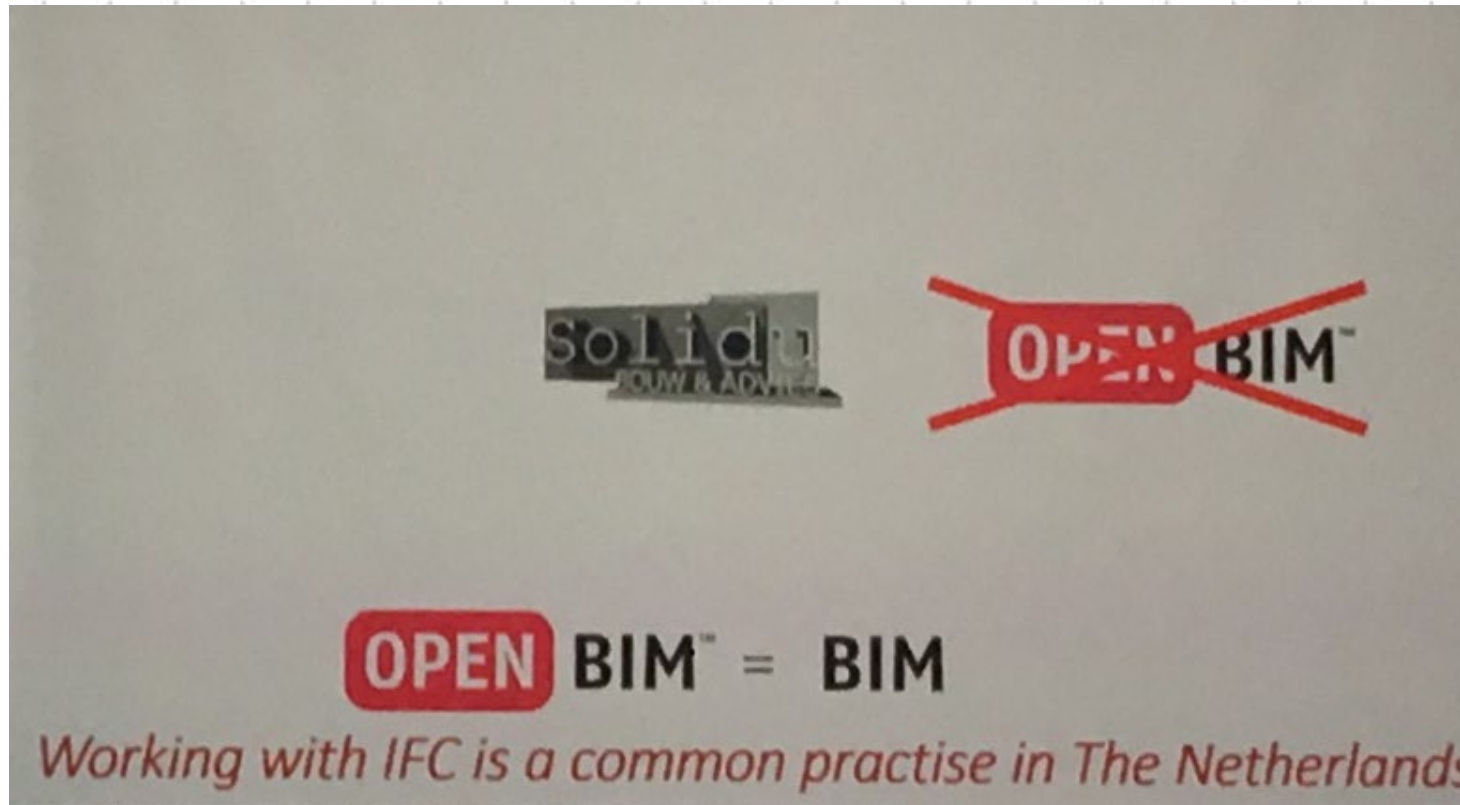
# 1. I first attended bSI Summit in **Tokyo** and met Chairman and CEO of bSI in **October 2018**



*In quest for integrating BIM and GIS for the planning & design of public housing, I was first introduced to the use of IFC in 2010, and it worked. It was not until 2018, when I first attended buildinSMART International Standards Summit in Tokyo. This gave me the impetus to drive openBIM in Hong Kong.*



“We do not use the term openBIM in The Netherlands.  
From the very beginning, the BIM we learn is openBIM.”



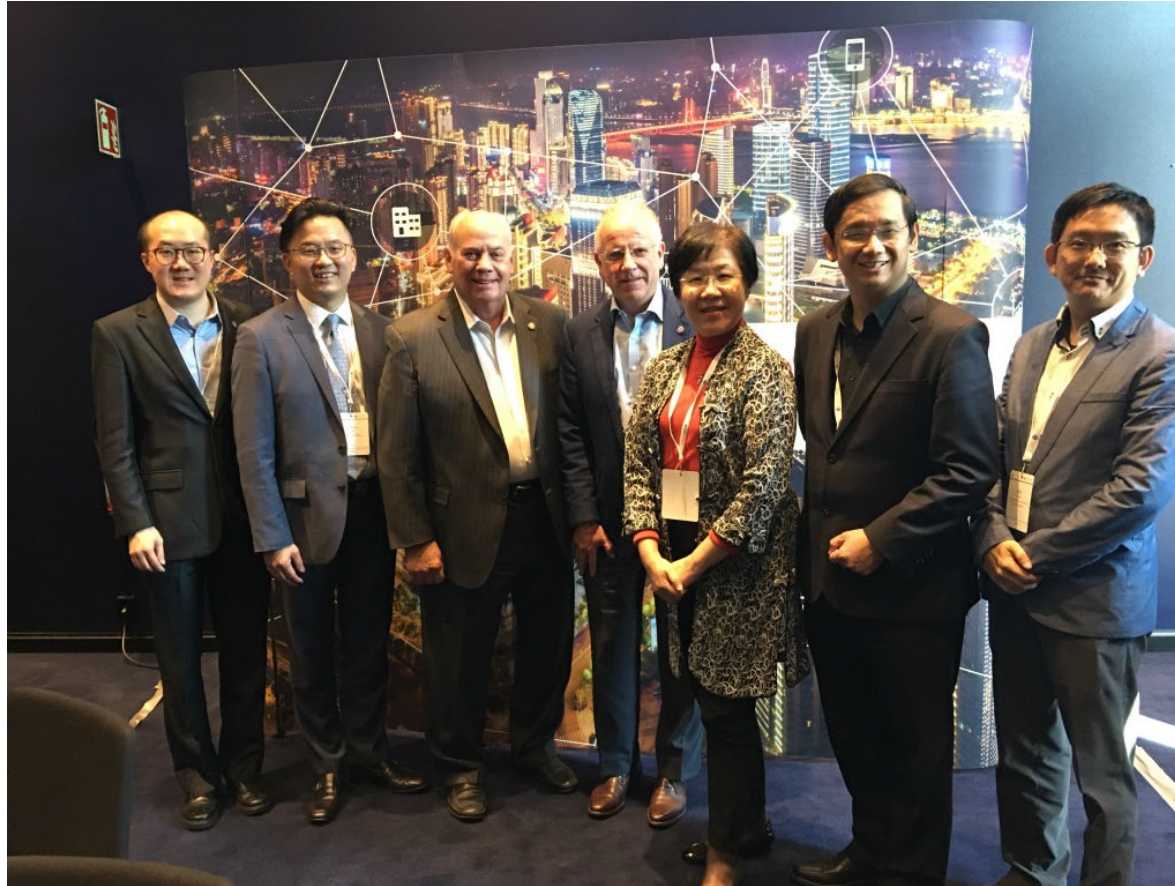
## 2. Next we have a 13-member delegation attending bSI Summit in **Dusseldorf** and met Chairman and CEO of bSI in **March 2019**



When we came back to Hong Kong and examine the details of joining buildingSMART as a Chapter, CIC as a statutory body discovered that it would not be possible for them to do so. We got stuck; so what do we do? Our second best option is to get professional bodies to take it up.



3. A small delegation attended buildingSMART Chapters Conference in **Helsinki** in **June 2019**, as we prepared to form the Alliance and then apply to be the Hong Kong Chapter!



## The Alliance is founded by three professional associations:

1. Hong Kong Geographic Information System Association (HKGISA),
2. Hong Kong Institute of Civil and Building Information Management (HKICBIM) &
3. The Hong Kong Institute of Building Information Modelling (HKIBIM)

which are specialised in Information Management for **Built Asset** and **Environment** industries.



# Board of Directors (established in end August 2019)



**Ar. Ada FUNG, BBS**  
President



**Ir. Francis LEUNG**  
Vice President



**Dr Weifeng LI**  
Honorary Secretary



**Sr Michael WONG**  
Honorary Treasurer



**Kevin WONG**  
Director



**Dr Kenneth TANG**  
Director



**Billy WONG**  
Director





# Our Missions



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

**Industry level** — to connect information management communities across built asset and environment industries;

**Society level** — to serve society by building capacity, sharing experience and enabling information exchange; and

**Global level** — to drive digital transformation in line with global development.



## 4. Hong Kong delegation's special meeting with Chairman and CEO of bSI in **Beijing** on **28 October 2019**



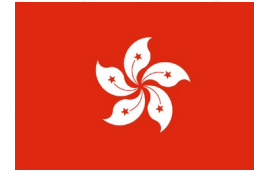
Hong Kong Alliance of Built Asset & Environment  
Information Management Associations  
香港建設資產及環境信息管理聯盟



October 2019



# OpenBIM in HKSAR



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



# Our Vision



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



**Foster societal collaboration**  
for  
**Smarter information management**  
across  
**Built asset and environment**

**Enable full benefits**  
from  
**Digital ways of working**  
in the  
**Built asset industry**



# TRAINING & EDUCATIONAL ACTIVITIES





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



## 4 types of TRAINING ACTIVITIES

1. **Virtual Classroom** – *free of charge* (since April 2020)
2. **bSI Professional Certification Foundation Program**  
(since January 2021) 
3. **BIM+GIS Training Program** (since April 2021)
4. **Special Training Event (Hybrid Mode)** – *free of charge*  
(since July 2021)





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



# 1. In our **Virtual Classroom** – Classes are held twice a month since April 2020

|                       |   |              |
|-----------------------|---|--------------|
| Season <b>ONE</b> :   | From BIM to openBIM   | (5 classes)  |
| Season <b>TWO</b> :   | BIM and GIS Integration   | (3 classes)  |
| Season <b>THREE</b> : | Digital Construction with BIM, GIS, IoT<br>for Smart City Development     | (6 classes)  |
| Season <b>FOUR</b> :  | Empower openBIM Knowledge Transfer;<br>Vendors' openBIM Development Trend | (11 classes) |
| Season <b>FIVE</b> :  | Way Forward: openBIMer's Roles  | (9 classes)  |
| Season <b>SIX</b> :   | Extend Our openBIM Learning in ISO 19650                                  | (6 classes)  |
| Season <b>SEVEN</b> : | Application of GIS for Spatial Analysis                                   | (4 classes)  |
| Season <b>EIGHT</b> : | <b>Innovations in openBIM and openGIS</b>                                 |              |





## 2. Professional Certification

buildingSMART Professional Certification

### The global benchmark for openBIM training

buildingSMART stands for quality assurance and standardisation in the digitalisation of the built asset industry.

[Find out more](#)

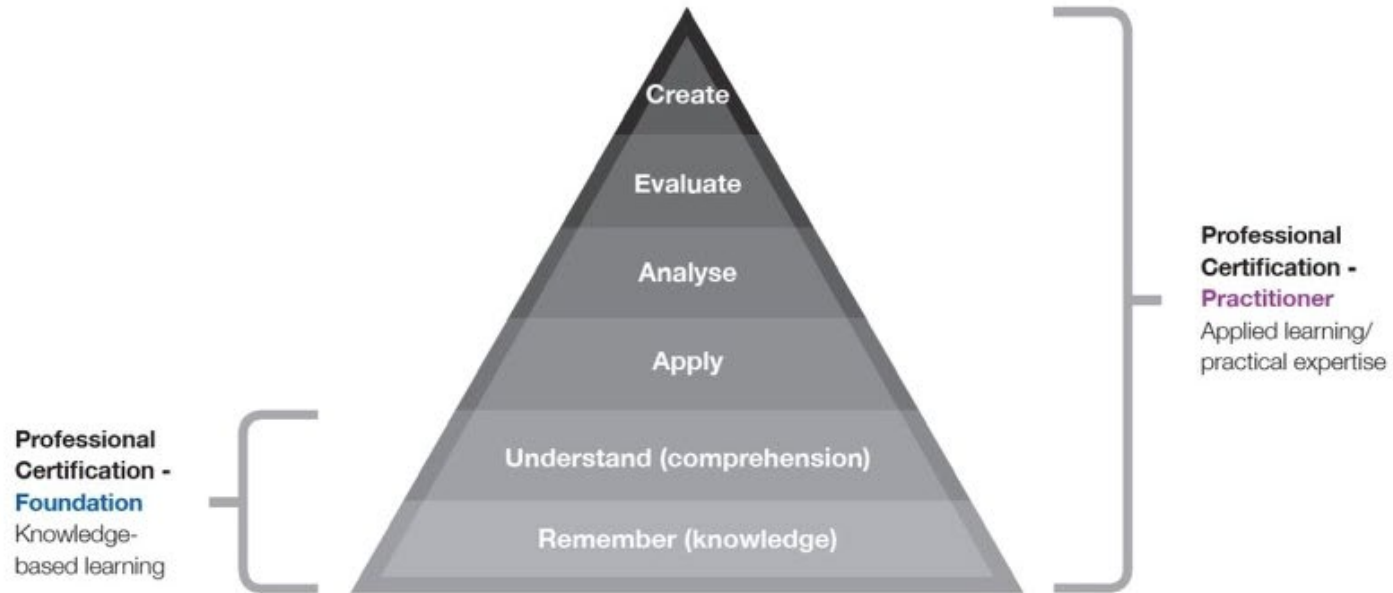


# Professional Certification

## Levels and modules



The Program has two skill levels:



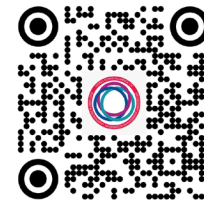
Foundation

Practitioner





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 Professional Certification - Foundation Level

## Training: 5 Learning Outcomes

1. **What is BIM? (Concepts & Terminology).**  
(5 learning objectives)
2. **Benefits of (open)BIM.**  
(5 learning objectives)
3. **BIM Processes (ISO 19650-1).**  
(6 learning objectives)
4. **openBIM Standards.**  
(7 learning objectives)
5. **Processes within an organisation.**  
(7 learning objectives)

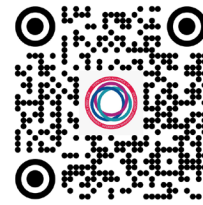
## Examination: Multiple Choice Questions

<https://qualification.buildingsmart.org/>





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



Home About FAQ Downloads Registry Forum Contact

## Hong Kong Chapter

### Registered Training Providers

| Company Logo and Link | Exam Language | Training Providers |
|-----------------------|---------------|--------------------|
|                       | English       | SBI                |

### Qualified Individuals

The Exam is in English

| Last Name      | First name       | Provider |
|----------------|------------------|----------|
| CHAN           | Chun Hong, Felix | SBI      |
| CHENG          | Chin Pang, Jack  | SBI      |
| CHEU           | Yuk Yi, Yvonne   | SBI      |
| Cheung         | Yiu Fai          | SBI      |
| Chun           | To Cho           | SBI      |
| FUNG           | Ada Y. S.        | SBI      |
| FUNG           | Shue Kin, David  | SBI      |
| KOO            | Ho Laam, Ben     | SBI      |
| LEE            | Joe C. M.        | SBI      |
| LEE            | Woon Ming, Wendy | SBI      |
| LEUNG          | Chung Ming       | SBI      |
| LEUNG Chi Suen | Francis          | SBI      |
| LI             | Weifeng          | SBI      |
| WONG           | Paulina P. Y.    | SBI      |
| WONG           | Sai Choi, Kevin  | SBI      |
| WONG           | Kin Michael      | SBI      |
| WONG Chi Pan   | Billy            | SBI      |
| WONG Chun Kuen | George           | SBI      |

**We have >300  
Qualified  
Individuals on the  
qualified list under  
Hong Kong Chapter**



### 3. Integrated BIM + GIS Training Program for Professional Bodies



**An Integrated BIM+GIS Training course** for members of the **Hong Kong Institute of Planners** has been offered from 5 June to 7 August 2021 on Saturday Mornings from 0900 to 1330.

**The instructors of this course are two experienced members of HKABAEIMA:**

*Ar. David Fung*



*Dr. Paulina Wong*



This 40-hour training course is sponsored by the Development Bureau (DevB) of the HKSAR Government under the **“Matching Grant Scheme for Skills Upgrading”** scheme.

The objective of the scheme is to provide matching grants to statutory bodies, industry associations and professional bodies for organizing training programmes for their members so that they would be better equipped with enhanced skills and new technologies.





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



# 10-week Professional Training on BIM x GIS Integration (Foundation)

## Course objective:

This aim of this training programme is about the foundation of **Building Information Modelling (BIM)** and **Geographical Information System (GIS)**. The contents will cover how the BIM and GIS integration can support various data transformation, streamline the workflows and empower the AEC industry, ultimately to support the Smart City Development of Hong Kong. This course combines lecture and hands-on tutorial to learn BIM and GIS integration skills by practice, using *Autodesk and ESRI* software and Government datasets.

## Upon completion, a fully engaged candidate will be able to:

- Understand the foundation concept of BIM and GIS;
- Discuss and evaluate the role and capability of BIM and GIS integration in the AEC Industry;
- Experience the integration techniques and workflows of BIM and GIS.

Course fee: HK\$10,000

Supporting Organization:



# New openBIM Courses To Be Offered

## openBIM Project and Application Courses

From Qualifications To **Applications & Management**

Since 2021

Mid 2022

Mid 2022

### openBIM® Qualification

*In collaboration with buildingSMART  
International and buildingSMART  
Hong Kong Chapter*

Life-long buildingSMART  
Qualification

IFC, IDM, MVD,  
BCF, bSDD, ISO 19650

### openBIM® for Project and Contract Management Course

*In collaboration with buildingSMART  
Hong Kong Chapter*

Integrating openBIM® into  
Contracts & Project Mgt

Quality Assurance/  
Quality Control

### openBIM® Applications Course

*In collaboration with buildingSMART  
Hong Kong Chapter*

Hands-on Applications

openBIM® Harmonisation  
and Automation

# AWARDS & COMPETITION





2021 Awards

Category

# Winner

- Professional Research

The buildingSMART International  
Awards Program 2021

## OpenBIM: Opening the gate for BIM and Blockchain integration (OBBi)

Prof. Wilson Lu, Dr. Frank Xue, Dr. Jinying Xu,  
Mr. Maohong Tang, Mr. Rui Zhao, Mr. Liupengfei Wu



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



Estates Office  
The University of Hong Kong



# Hong Kong openBIM/openGIS Award 2022

- To honor demonstrations of openBIM and/or openGIS best practices or innovation within project delivery and lifecycle asset management in the built asset industry.

## Judging Panel Members



Ar Ada Fung



Mr. Aidan Mercer



Prof. Calvin Kam



Ar David Fung



Ir Francis Leung



Dr. Jianfeng Li



Sr Michael Wong



Mr. Wei Lai

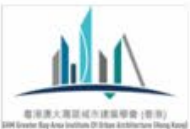
## Categories

- openBIM/openGIS **Project Award**
- openBIM/openGIS **Research Award**



# Hong Kong openBIM/openGIS Award 2022

## 50 Supporting Organizations



Members of VTC Group VTC 機構成員

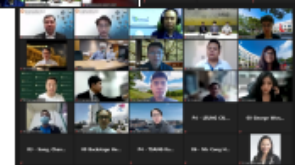
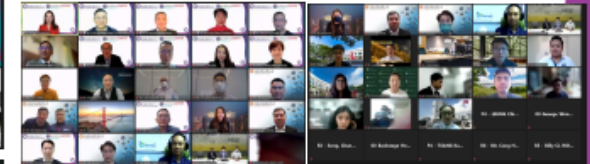


# Hong Kong openBIM/openGIS Award 2022

## Virtual Final Presentation and Award Ceremony (23 March 2022)

### PROGRAMME RUNDOWN

| TIME          | Description   |
|---------------|---|
| 09:00 – 09:30 | <i>Registration</i>   |
| 09:30 – 10:00 | <p><b>Welcome Address</b></p> <ul style="list-style-type: none"> <li>President Ar Ada FUNG, BBS (President of HKABAEIMA, cum Chairperson of Hong Kong Chapter of buildingSMART International)</li> </ul> <p><b>Opening Address</b></p> <ul style="list-style-type: none"> <li>Ir Thomas HO (Guest of Honor) (Chairman of Hong Kong Construction Industry Council)</li> <li>Mr. Aidan MERCER (Guest of Honor) (Marketing Director of buildingSMART International)</li> </ul> |
| 10:00 – 10:10 | <p><b>Introduction to the Award and Arrangement</b></p> <ul style="list-style-type: none"> <li>Prof. Jack CHENG (OC Chair of the Hong Kong openBIM/openGIS Award 2022)</li> </ul>   |
| 10:10 – 10:15 | <b>Group Photos</b>   |
| 10:15 – 11:00 | <b>Final Presentations of the Shortlisted Submissions (Project Category)*</b>   |
| 11:00 – 11:05 | <i>Break</i>  |
| 11:05 – 12:10 | <b>Final Presentations of the Shortlisted Submissions (Project Category)*</b>   |
| 12:10 – 14:00 | <i>Lunch Break</i>  |
| 14:00 – 15:30 | <b>Final Presentations of the Shortlisted Submissions (Research Category)*</b>  |
| 15:30 – 15:40 | <i>Break</i>  |
| 15:40 – 16:15 | <p><b>Comments from Judges (Project Category)</b></p> <p><b>Result Announcement and Award Presentation (Project Category)</b></p>   |
| 16:15 – 16:50 | <p><b>Comments from Judges (Research Category)</b></p> <p><b>Result Announcement and Award Presentation (Research Category)</b></p>   |
| 16:55 – 17:00 | <p><b>Closing Remarks</b></p> <ul style="list-style-type: none"> <li>President Ar Ada FUNG, BBS (President of HKABAEIMA, cum Chairperson of Hong Kong Chapter of buildingSMART International)</li> </ul>  |
| 17:00         | <i>End of Program</i>   |



# Hong Kong openBIM/openGIS Award 2022

## Awards

### Project Category



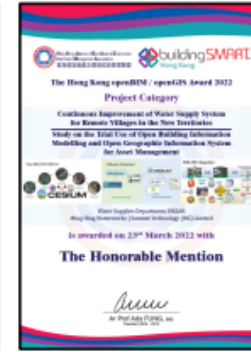
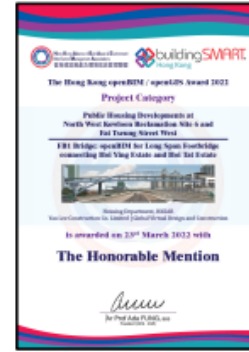
**2 Grand Awards**



**2 Merit Awards**



**3 Honorable Mention**



### Research Category



**2 Grand Awards**



**3 Merit Awards**



**1 Honorable Mention**



A glowing globe with a network of white lines and dots representing global connectivity. The globe is illuminated with blue and gold lights, and a bright sunburst effect is visible in the upper right corner.

The buildingSMART openBIM  
Awards Program 2022

# The buildingSMART openBIM Awards Program 2022 – Finalists Announced [A Total of 21 Finalists in 9 Categories]

## Category of **CONSTRUCTION FOR BUILDINGS:**

- Henderson Land Development Company Limited, Hip Hing Construction Company Limited – *“The Henderson - an “Office for the Future” – Hong Kong.*

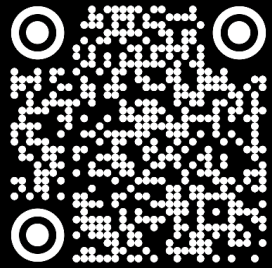
## Category of **PROFESSIONAL RESEARCH:**

- HDR – *“TPF-5(372) BIM for Bridges and Structures Transportation Pooled Fund” – USA.*
- University of Naples Federico II – *“State of Preservation Domain to Document Existing and Historic Buildings” – Italy.*
- The Hong Kong University of Science and Technology – *“Secure openCDE with Blockchain for HKUST Campus-wide Digital Twin with openBIM and openGIS Applications” – Hong Kong.*

## Category of **HANDOVER:**

- Strategic Building Innovation – *“bSI Information Delivery Specification (IDS) for integrated openBIM and openGIS Platform” – USA.*
- Mostostal Warszawa S.A. – *“Handover to FM with openBIM - Marshal's Office, West Pomerania” – Poland.*





## The buildingSMART openBIM Awards Program 2022

Finalists  
Announced!

Category of **CONSTRUCTION FOR BUILDINGS**:

- Henderson Land Development Company Limited, Hip Hing Construction Company Limited  
– *"The Henderson - an "Office for the Future" – Hong Kong.*



# MEMBERSHIP; COLLABORATION



# HKABAEIMA Members (55) representing more than 50,000+ people



中國港灣工程有限責任公司  
(於中華人民共和國註冊成立的有限責任公司)  
CHINA HARBOUR ENGINEERING COMPANY LTD.  
(Incorporated in People's Republic of China with limited liability)

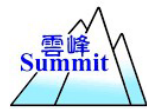


CHAIN  
Technology Development Co. Ltd



俊和建築工程有限公司  
CHUN WO CONSTRUCTION & ENGINEERING CO., LTD.

科正 建築有限公司  
Fraser Construction Company Ltd.



Supporting Organizations:



# Signing of Memorandum With GS1 Hong Kong (27 OCTOBER 2020)



We believe that closer collaboration with GS1 Hong Kong would help advance the frontiers of open standards and interoperability throughout the entire value chain of built asset, and the broader application of digital product information.



# Signing of MOU with Smart City Consortium



**HKABAEIMA and SCC signed MoU to foster better management of built asset, environment information and associated technologies for smart city development.**



# Signing of MOU with CIOB & GBIUA 30 DECEMBER 2021





# BUILDING CONSTRUCTION TECHNOLOGY EXPO



FREE Webinar ▶

Supported by:



Organized by:



## Hear from our ABC speakers on Asia's BIM industry landscape

Date: 14<sup>th</sup> September 2022 | 14.30 - 16.00 Hrs. (Bangkok Time GMT+7)



**Dr. Amamath Cb**  
President of India BIM Association



**Ar. Ada Fung**  
President of Hong Kong Chapter of building SMART



**Ir. Francis Leung**  
Vice President of Hong Kong Chapter of building SMART



**Ar. William Lau**  
Immediate Past President of building SMART Singapore Chapter



**Shang-Hsien (Patrick) Hsieh**  
President of Taiwan BIM Alliance



**Dr. Tran Hong Mai**  
President of Vietnam Association of Construction Economics



**Binh Ta**  
Executive committee of Vietnam Association of Construction Economics



**Dr. Sant Chansomsak**  
President of Thai BIM Association



**Dr. Sanphawat Jatupatwarangku**  
Head of Standard Thai BIM Association

# ABC GROUP

Asia BIM Collaboration Group

India  
Hong Kong  
Taiwan  
Singapore  
Thailand  
Vietnam



Contact Us for More Information

REGISTER ONLINE NOW!

Tel: +66 2 833 5198

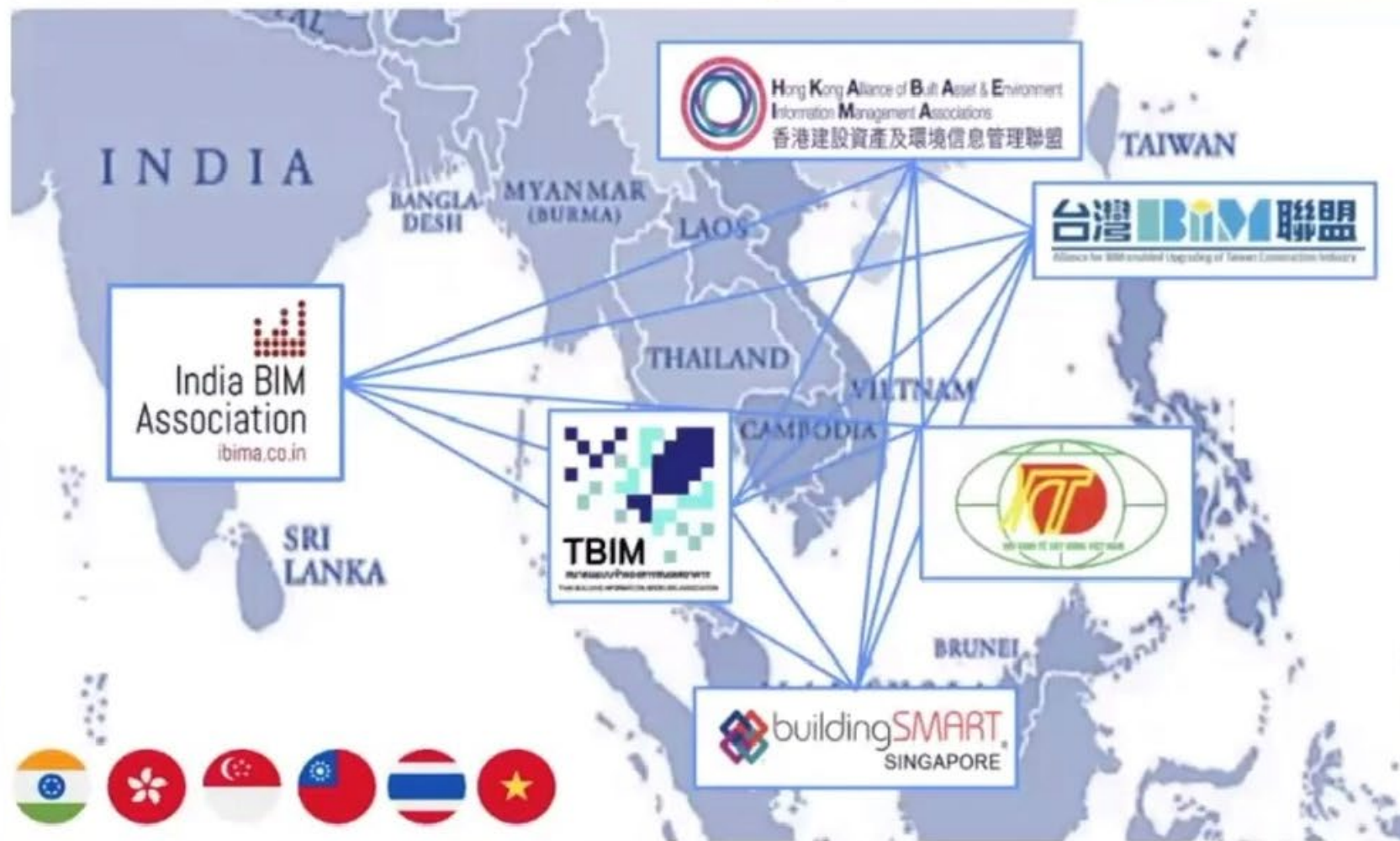
Email: info@bct-construction.com

Website: www.bct-construction.com



BuildingConstructionTechnology-BCT

## ASIA BIM COLLABORATION CEREMONY 2022



*"Enhancing Digital Delivery Transformation within the Built Environment in Asian countries, via Collaboration and Information Exchange for the Purpose of Mutual Benefit, and Promoting Growth and Development of the Digital Ecosystem."*

*ABC's manifesto*

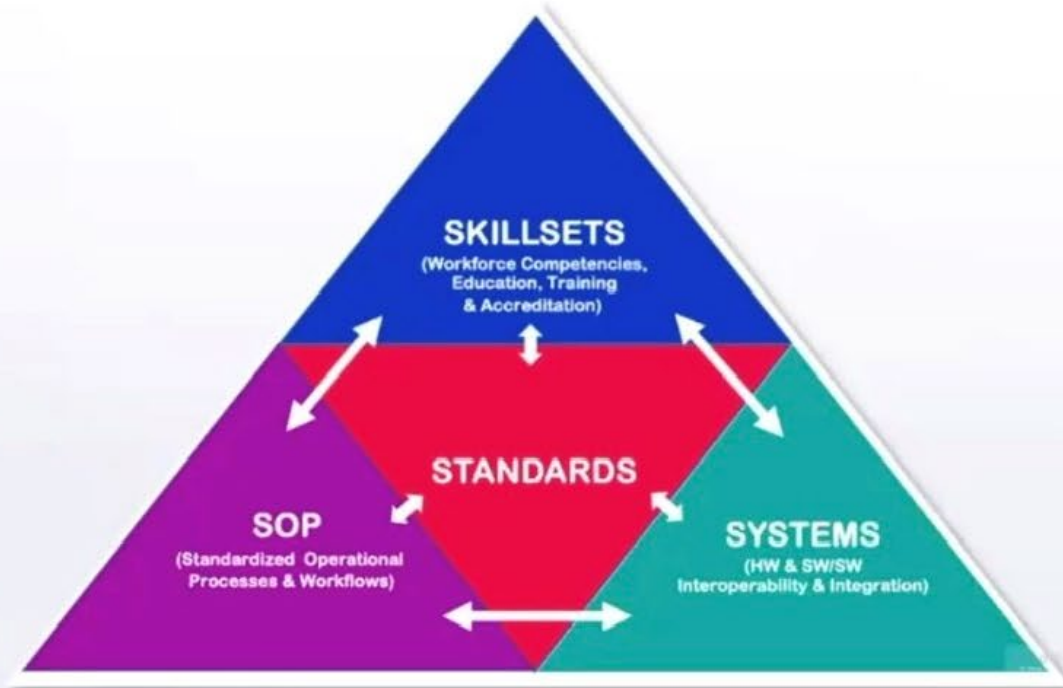
## KEY COMPONENTS OF DIGITAL TRANSFORMATION



Supported by:



Organized by:



### SKILL SETS

Enhancement of competencies and skill sets in the various stages of project cycle. Develop accreditation schemes.

### STANDARD OPERATIONS PROCESSES

Promote best practices and work processes in the project cycle.

### SYSTEMS

Promote integration of hardware and software with solutions and tools to promote interoperability in various stages of the project cycle

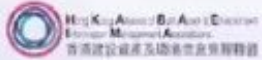
### STANDARDS

Promote standards to enhance management of information and productivity in digital delivery projects

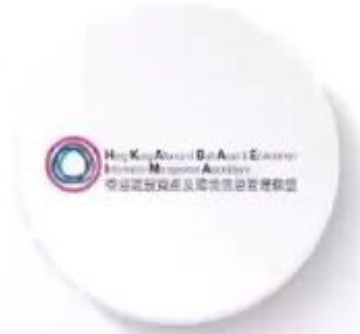




Supported by:



Organized by:



*President Speech*

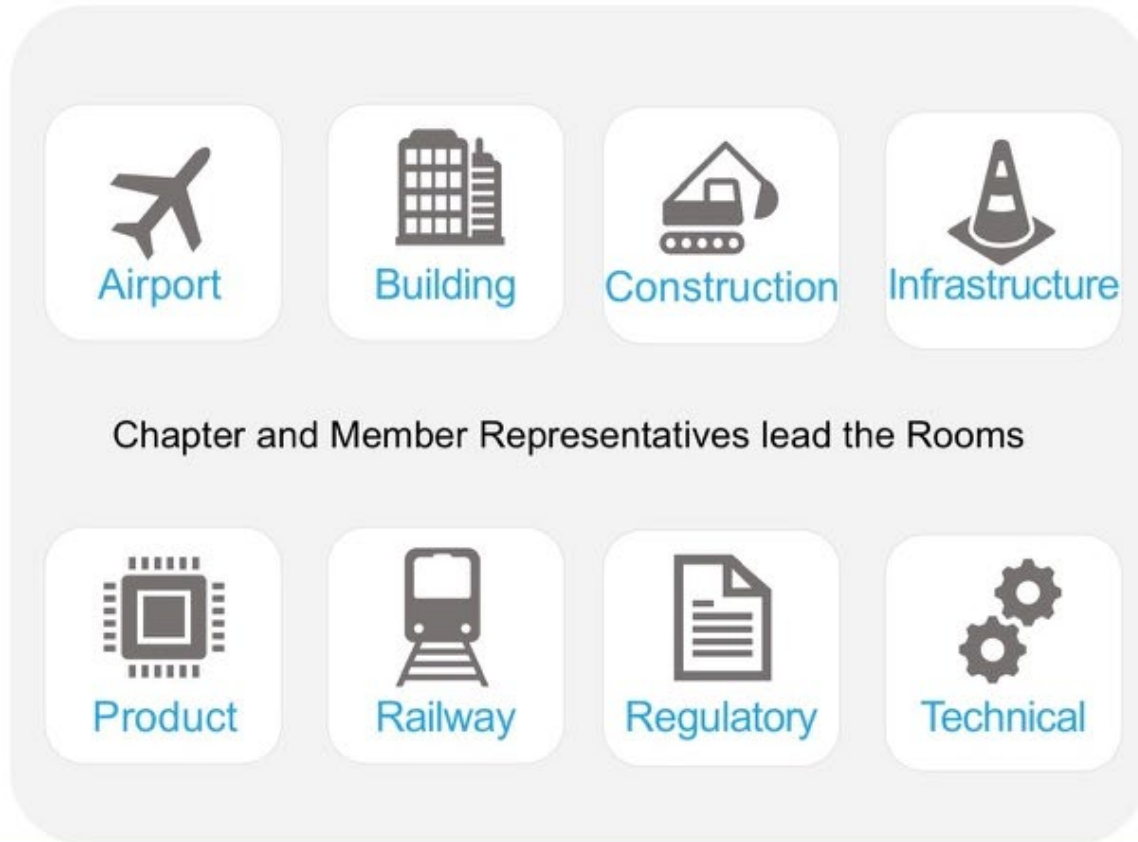
*Vision for Asia BIM Collaboration across Asian Economies:*

- *Enable full benefits from digital transformation in the built asset industry;*
- *Promote buildingSMART's global open digital standards for adoption;*
- *Develop operational processes and workflows, interoperability and integration;*
- *Provide platforms for experience sharing and training.*



Ar. Ada Fung  
President of  
building SMART Hong Kong Chapter

# Always Have Your Room Rooms



Chapter and Member Representatives lead the Rooms



**We need** trusted information to **build a better world.**

**We join** buildingSMART, drive **openBIM** through membership, training, R&D, competitions.

**We seek** **open opportunities** to collaborate with like-minded organizations.



# OpenBIM, Open Opportunities to Build a Better World

GO FOR YOUR DREAMS.  
THEY MAY COME TRUE.

THANK YOU!

