



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

# HKIBIM AWARD 2021



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## MESSAGE FROM THE HKIBIM CHAIRMAN



**Mr. Kevin WONG**

Chairman  
Hong Kong Institute of Building Information Modelling

Honourable Guests, ladies and gentlemen, welcome to the Hong Kong Institute of Building Information Modelling Award 2021 Presentation Ceremony. I am Kevin Wong, the Chairman of HKIBIM this year. It is our privilege to have various industry specialists, professionals and government delegates joining us today to congratulate winners of HKIBIM Awards. We are pleased to welcome our distinguished Guest of Honour, Ms Winnie Ho Wing Yin, JP, Secretary for Housing.

As we all know, it has been reiterated in the Policy Address, the government has adopted BIM technology in the design and construction of all major capital works project since 2018. And not to leave out private construction projects, as they are also encouraged to begin implementing BIM technology as well. We hope that our institute alongside industry professionals can lead the push for use of BIM innovations across public and private sectors so that we can all proactively and efficiently mitigate the challenges we face and continue to grow as one of the highest quality infrastructures globally.



## MESSAGE FROM THE HKIBIM CHAIRMAN

To increase our industry's capability in advancing, it is critical that we use the best and the latest resources out there. And as we know, BIM has continuously evolved to incorporate wide-range of processes that help make our built projects more effective without compromising details and comprehensiveness. Now running for its third year, we truly hope that this HKIBIM Award will further show how the current use of BIM has already made countless amounts of contributions to our society, and that it plays large importance to our city's developments. We want to use this platform to gradually increase BIM awareness and its technological adoption into all sectors in Hong Kong. Some facts about our institute would like to share with all of you. In the past 1 year, we had the largest number of increasing in membership registrations since the establishment of HKIBIM in 2009. We digitalize the whole process of membership application, interview, and certification in 100% paperless for sustainable development. We also collaborated with other professional institutions like HKIE and ICE to co-organize seminar events with almost up to 1,000 of people registered on some of our events which we had carried out in total around 8 seminars and had produced more than 30 short videos on our YouTube channel for BIM experience sharing. This is huge success to promote BIM to difference stakeholders through our continued efforts. What is more, in order to cope with the huge amount of housing and infrastructure construction projects in near future, we expect that there is a substantial increase in the demand of BIM talents. To recognize the achievement of BIM talents, we newly added "Outstanding BIMer of the Year" category this year. Thought the judging process, we were happy to meet candidates with lots of passion in BIM industry. It is essential for HKIBIM to work with government and other institutes (like CIC) to further promote BIM industry and attract new blood to join us.

To conclude, I would like to congratulate all the winners and extend our sincerest gratitude to all guests, generous sponsors and my board members for making this award presentation ceremony possible.



## MESSAGE FROM GUEST OF HONOR



**Ms. Winnie HO, JP**  
Secretary for Housing  
HKSAR Government

### “Shaping the Construction Industry Together”

As I congratulate all winners of the Hong Kong Institute of Building Information Modelling (HKIBIM) Awards 2021, I would also like to thank the Chairman, Board of Members of HKIBIM, and everyone in the BIM community for organizing this meaningful event.

For those who attended the event and heard my speech as Guest of Honour, I hope you would share my views on the importance of BIM and how it is changing the construction industry. That's how our passion to advance and excel will shape the industry, and thereafter the industry will shape us

Thanks to advancements in technologies like BIM, GIS and AI, we are presented with an unprecedented opportunity to change our industry, enhance efficiency and productivity in a scale and magnitude unparalleled in history, and we should all be very excited and grateful that we can take part to drive the change.



## MESSAGE FROM GUEST OF HONOR

While we celebrate the achievements everyone has made in BIM, let's not forget that there are hurdles to overcome and uncharted frontiers yet to be explored. I am an optimist and I am sure that with a strong and clear vision, we can succeed in whatever we set our minds to if we can act in unity.

Let's shape the construction industry together!



# BIM Project

## Government Projects

- Gold Award
- Central Kowloon Route – buildings, electrical and mechanical (E&M) works
  - Integrated Waste Management Facilities Phase 1
  - O·PARK2
  - Re-provisioning of Fu Shan Public Mortuary at Sha Tin
- Silver Award
- Design and Build of MiC Temporary Quarantine Facilities at Penny's Bay (Phase 3A)
  - Shek Wu Hui Effluent Polishing Plant – Main Works Stage 1 – Civil Works for Sewage Treatment Facilities
  - Shek Wu Hui Effluent Polishing Plant – Main Works Stage 1 – Civil Works for Sludge Treatment Facilities and 132kV Primary Substation
- Bronze Award
- Central Kowloon Route - Kai Tak East
  - Redevelopment of Kowloon Tsai Swimming Pool Complex
  - Shek Wu Hui Effluent Polishing Plant – Main Works Stage 1
    - Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
- Merit Award
- Construction of Departmental Quarters for Customs and Excise Department at No. 57 Sheung Fung Street, Tsz Wan Shan
  - Elderly's Home at Jat Min Chuen Chung Yuet Lau

## Statutory Bodies Projects

- Gold Award
- Three-runway system project – Fire Training Facility (Contract 3307) at Hong Kong International Airport
- Bronze Award
- West Kowloon Cultural District Authority Headquarter

## Private Development Projects

- Gold Award
- Hong Kong Baptist University – Jockey Club Campus of Creativity
- Silver Award
- Proposed Data Centre Development at No. 2-16 Lam Tin Street, Kwai Chung, Hong Kong.
  - Jockey Club i-Village at The Hong Kong, University of Science and Technology
- Merit Award
- BIM-Enabled Design and Cost Estimation Automation System for Metal Systemic Formwork

## BIM Initiatives

- Gold Award
- A series of new & updated CIC BIM training and BIM standards related publications in 2021
- Silver Award
- BIM with HILTI
- Bronze Award
- Neuron Carbon – Whole Life Cycle Carbon Management Tool



Gold Award



Central Kowloon Route – buildings, electrical and mechanical (E&M) works  
中九龍幹線 — 大樓及機電工程

### Project Contributors

Arup-Mott MacDonald Joint Venture  
Gammon Construction Limited  
Hassell

### Project Description

Central Kowloon Route (CKR), a 4.7km-long dual three-lane trunk road that will enhance connectivity between the east and west Kowloon districts and relieve congestion. The scope of work for this contract includes construction of tunnel ventilation and administration buildings, electrical and mechanical works.

Our delivery methodology incorporates an integrated digital project delivery approach making use of smart and digital construction techniques including the adoption of extensive DfMA and off-site pre-fabrication to improve efficiency, overall safety and quality on the project. BIM and innovative digital construction and asset management systems will be used to support a collaborative approach on the project.





## BIM PROJECT



### Gold Award



### Integrated Waste Management Facilities Phase 1

### 綜合廢物管理設施第1期

### Project Contributors

Keppel Seghers Hong Kong Limited  
Zhen Hua Engineering Company Limited

### Project Description

The Integrated Waste Management Facilities (IWMF), which will be on an artificial island near Shek Kwu Chau, aims to treat 3,000 tons/day of municipal solid waste (MSW) by moving grate incineration technology. To ensure a well-coordinated set of design, construction and operation, BIM models has been utilised widely throughout design, construction and operation stages. The IWMF project was an early adopter of BIM 360 CDE platform in HK, starting in Q2 2018, with weekly coordination meetings involving all stakeholders in the decision making process. Innovative uses for the models include preliminary 4D planning for construction programming, quantity take-offs for steel and concrete volumes, high resolution visualisations for promotional fly-throughs, structural analysis of caisson design, 3D printing and VR for public engagement exercises.

## Government Projects





Gold Award



O•PARK2  
有機資源回收中心

### Project Contributors

- Agrivert
- Alchmex
- HKUST
- JEC
- WSP

### Project Description

O•PARK2 is a design-build-operate project of the Environmental Protection Department. O•PARK2 is the second organic resources recovery centre that adopts anaerobic digestion technology in Hong Kong to convert food waste into biogas for electricity generation and fertilizer as by-product for landscaping or agricultural applications. With the great effort from five participants, involving 10 HKIBIM members, BIM is widely promoted amongst internal and external counterparts. Global collaboration via BIM, smart construction and site management system developed based on BIM, and investigation on integration of BIM and CIC-CAT for sustainable construction are three major innovative BIM Uses in O•PARK2.







## BIM PROJECT



Gold Award



### Reprovisioning of Fu Shan Public Mortuary at Sha Tin

重置沙田富山公眾殮房

#### Project Contributors

RH Studio Limited  
Nishimatsu Construction Company Limited  
Architectural Services Department

#### Project Description

The new Fu Shan Public Mortuary building at the Site in Fu Shan, Sha Tin with an approximate site area of 7,500 m<sup>2</sup>, comprising with the construction of a 7-storey mortuary building (approximately 31m high above ground level) to provide nine cold rooms and one deep freezer with a total storage capacity of 830 bodies, eight autopsy suites, other functional rooms and ancillary areas such as body receipt and dispatch area, encoffining rooms, offices, etc.

BIM included the information management, collaborative working, graphical data models and asset data. It is successful to manage and creating the building data during the construction project data and assets life cycle by single sources of truth.

## Government Projects





Silver Award



**Design and Build of MiC Temporary Quarantine Facilities at Penny's Bay Phase 3**

設計及營造竹篙灣3A期  
臨時檢疫設施

Leigh & Orange

Project Contributors

Hip Hing Engineering Co. Ltd  
Leigh & Orange Ltd.  
WSP (Hong Kong) Ltd.

Project Description

Fighting against the clock, the design and construction of temporary quarantine facilities at Penny's Bay (Phase 3A) was completed within an extreme short period of time by 89 days only, with wide adoption of over 900 MiC modules and DfMa components reaching up to 97% of the constructed areas. BIM in CDE, together with other IoT connections have contributed a lot in cross-border coordination and fabrication, holistic data analysis, complex logistic and master-map planning, over 100 vehicular movements and 1500 workers daily are simulated and managed with the site.





Silver Award



Shek Wu Hui Effluent Polishing Plant – Main Works Stage 1 – Civil Works for Sewage Treatment Facilities

石湖墟淨水設施 — 主體工程第一階段 — 污水處理設施的土木工程

Project Contributors

Drainage Services Department  
AECOM  
Kwan Lee – Chun Wo Joint Venture  
Syntegrate

Project Description

The works to be executed under this project (Drainage Services Department Contract No. DC/2018/07) are the civil works for sewerage treatment facilities at the existing Shek Wu Hui Sewerage Works. They comprise proposed Inlet Works No. 1, Primary Sedimentation Tanks No. 1 - 4, Bioreactor No. 2A & 2B, Membrane Facilities Building No. 2, SAS Pumping Station, auxiliary facilities and the associated works.





Silver Award



**Shek Wu Hui Effluent Polishing Plant – Main Works Stage 1 – Civil Works for Sludge Treatment Facilities and 132kV Primary Substation**

石湖墟淨水設施 — 主體工程第一階段 — 污泥處理設施及132kV主變電站的土木工程

**Project Contributors**

Drainage Services Department  
AECOM  
Kwan Lee – Chun Wo Joint Venture  
Syntegrate

**Project Description**

The works to be executed under this project (Drainage Services Department Contract No. DC/2018/06) are the civil works for sewerage treatment facilities at the sludge dewatering building, combined heat and power building, sludge digesters, biogas holding tanks, thermal hydrolysis pre-treatment system, etc.; civil works for ultraviolet system no. 1 and associated pumping station no. 1; construction of 132kV primary substation; and construction of other ancillary facilities including workshops no. 2, underpass, road works, pipeworks.





Bronze Award



Central Kowloon Route - Kai Tak East  
中九龍幹線 — 啟德東工程

Project Contributors

Alcmex-Paul Y Joint Venture

Project Description

The works mainly comprise the construction of an approximately 700-metre-long CKR main line in Kai Tak; the construction of the Kai Tak Interchange, including bridges, underpasses and associated at-grade slip roads, connecting the CKR with the existing road network; and other associated works.





Bronze Award



Redevelopment of Kowloon Tsai Swimming Pool Complex

重建九龍仔游泳池工程

Project Contributors

Architectural Services Department  
China State Construction Engineering(Hong Kong) Limited  
China State Construction Science and Technology Limited  
P & T Architects and Engineers Limited  
Transcendence Company Limited

Project Description

Kowloon Tsai Swimming Pool Complex is located at Kowloon Tsai Park, Kowloon, with an approximate site area of 19,322 m², and an approximate construction floor area of 15,575 m². The Swimming Pool Complex is a 3-storey building of approximate overall height of 18.5 m, with indoor heated main pool, indoor spectator stand ,outdoor training pool, outdoor leisure pool and outdoor sun-bathing area, ancillary facilities including changing rooms and toilets, a babycare room, a pool management office, storerooms, etc.





Bronze Award



DE/2018/03 Shek Wu Hui Effluent Polishing Plant – Main Works Stage 1 – Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities

合約編號DE/2018/03 石湖墟淨水設施 — 主體工程第一階段 — 側流處理設施及污泥處理設施的機電工程

Project Contributors

AECOM Asia Company Limited  
The Jardine Engineering Corporation, Limited  
Syntegrate

Project Description

The existing Shek Wu Hui Sewage Treatment Works (SWHSTW) in the North District with a design capacity of 93,000 m<sup>3</sup>/day commissioned in 1984, is the first large-scale secondary sewage treatment plant in Hong Kong. It has been operating for over 30 years. Owing to rapid population growth in the catchment, the existing SWHSTW is being transformed into Shek Wu Hui Effluent Polishing Plant (SWHEPP) to increase its treatment capacity by two-fold almost within the existing footprint and a piece of adjacent land of about only 26% of SWHSTW's original size and at the same time upgrade the sewage treatment level from secondary to tertiary in order to meet very stringent discharge standards.





Merit



Construction of Departmental  
Quarters for Customs and Excise  
Department at No. 57 Sheung  
Fung Street, Tsz Wan Shan

慈雲山雙鳳街57號香港海關職員  
宿舍建造工程

Project Contributors

RH Studio Limited  
Wecon Limited  
Architectural Services Department

Project Description

The Project included construction of one 25-storey quarters block comprising piled foundations and ancillary facilities, together with drainage and external works. The construction floor area is approximately 13,300 square metres. The site area is approximately 3,598 square metres.







Merit



其士建築

Elderly's Home at Jat Min Chuen Chung Yuet Lau

沙田乙明邨松悦樓長者屋

Project Contributors

- Hong Kong Housing Society
- P&T Architects and Engineers Limited
- Chevalier (Construction) Company Limited

Project Description

Hong Kong Housing Society will use MiC method to build a 10-storey Elderly Home on a badminton court at Jat Min Chuen in Sha Tin, providing 64 single room units with an area of about 200 sq ft for those who are over 70 years old. This is the 1st MiC project of Housing Society and Chevalier (Construction) Company Limited has been assigned as Design and Build for this MIC project. The ground floor and the 1st floor will construct with traditional reinforced concrete while the 2nd to 9th floor will build a steel structure MiC building. Building Information Modelling (BIM) technology needs to adopt in this to increase the productivity of consultants and contractors during the whole asset life cycle.





Gold Award



### Three-runway system project – Fire Training Facility (Contract 3307) at Hong Kong International Airport

#### Project Contributors

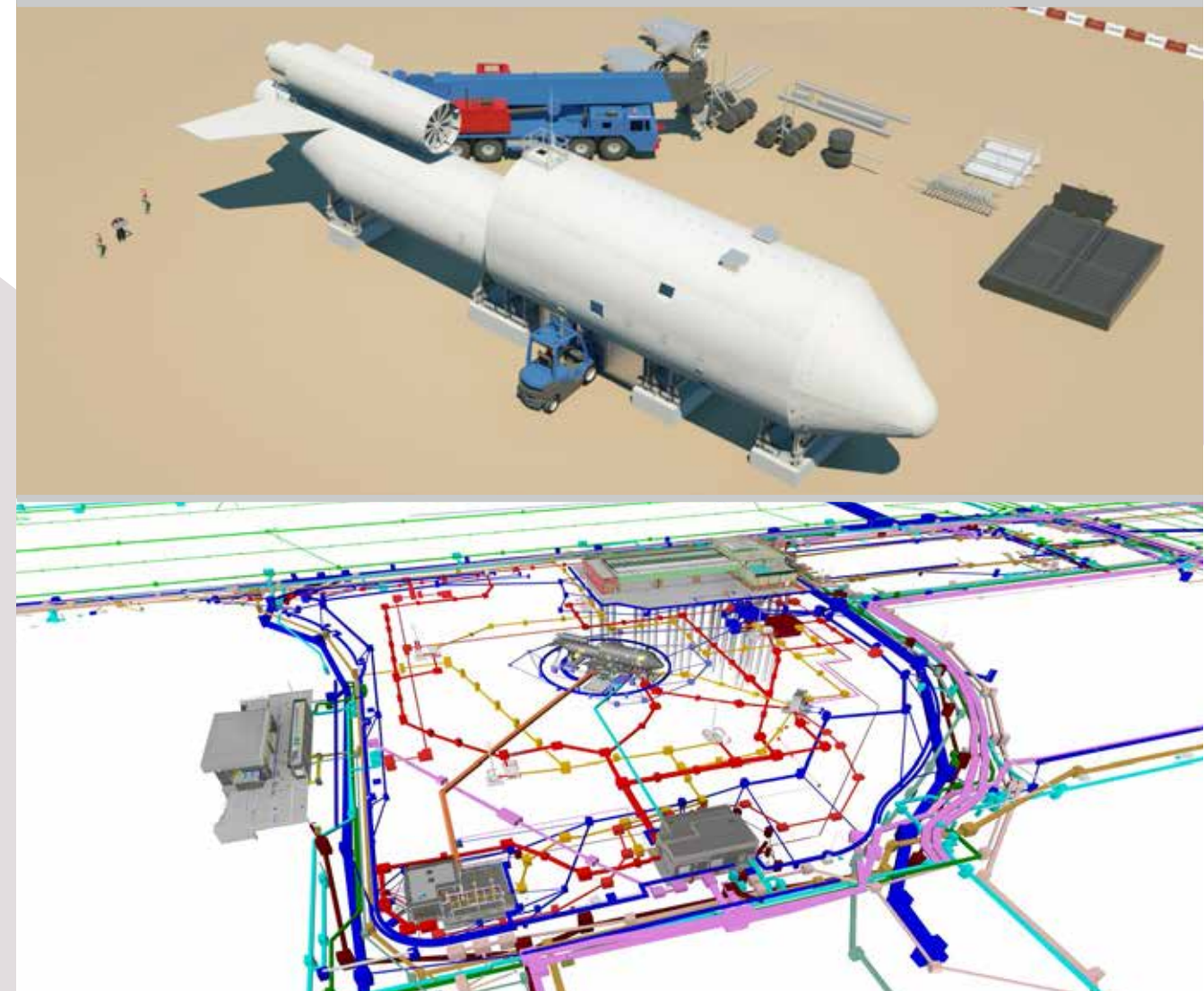
Airport Authority Hong Kong  
Paul Y. Engineering

#### Project Description

Clients, consultants and contractors exchange information according to digital process, BIM make the construction information more transparent.

The works covered by the Contract 3307 comprise the construction of a Fire Training Facility on the new reclamation area to replace the existing facility at the Airport Island. AAHK's fire training facility forms a part in the 3RS projects to facilitate the need for firefighting training for 3RS at Hong Kong International Airport Island. The project includes the construction of three buildings for training facilities, ground pavement, extensive underground utilities and drainage works.

Three-runway system project – Fire Training Facility (Contract 3307) at Hong Kong International Airport





## BIM PROJECT

## Statutory Bodies Project



### Bronze Award

# Ryder

**Interior design and fit-out of the west kowloon cultural district authority head office**

## Project Contributors

Ryder Architecture

NV5

Light Realization

AEE

Atkins - Acoustics

## Project Description

The brief was to create a recognisable and unique home reflective of WKCDA's ambitions and positive approach to sustainability and universal accessibility.

The concept for the interior design reflects the WKCDA's brand. It combines a blend of local and international essences of the city to reflect the cultural range of disciplines, artists and audience that the Cultural District attracts. These are referenced throughout the space planning and interior design. BIM was proactively used throughout all stages of the project from Concept Planning, Detail Design and finally through to As Built Documentation. The Client was finally delivered the completed Model for continued use as an Asset Management tool.





Gold Award



Hong Kong Baptist University – Jockey Club Campus of Creativity

香港浸會大學 — 賽馬會創意校園

Project Contributors

- China State Construction Engineering (Hong Kong) Limited
- China State Construction Science and Technology Limited
- Hong Kong Baptist University
- P&T Architects and Engineers Limited
- Transcendence Company Limited

Project Description

Hong Kong Baptist University – Jockey Club Campus of Creativity is located at 30 Renfrew Road, Kowloon Tong.

The building development comprising the construction of four 13 to 17-storey student hostels block and 4-storey academic building complex with associated external works.

BIM Technology used in the Project:

- Life-cycle Modelling
- OpenBIM Clash Resolution
- Common Data Environment
- 4D Simulation
- 5D Cost Estimation
- 6D Laser Scanning
- 7D Facility Management
- API Automation
- C-Smart Site Platform





## BIM PROJECT



### Silver Award

 華營建築集團控股有限公司  
CR CONSTRUCTION GROUP HOLDINGS LIMITED  
華營建築有限公司  
浙建集團 CR CONSTRUCTION COMPANY LIMITED  
股份代號 Stock Code: 1582

### Proposed Data Centre Development at No. 2-16 Lam Tin Street, Kwai Chung 葵涌數據中心發展項目

## Project Contributors

Andrew Lee King Fun & Associates Architects Ltd. (Architect)  
Aurecon Hong Kong Ltd. (Geotechnical, Structural & MEP Design Engineer)  
CR Construction Company Limited (Main Contractor)  
EDPI (HK) Limited (Client)  
Jardine Engineering Corporation Ltd. (MEP Sub-contractor)

## Project Description

The project involves the construction of one 20-storey data centre building, 2-Level basement car park, and emergency vehicular access, external and remaining works. The total construction floor area is 22,931m<sup>2</sup>. The project started in early March 2021.



## Private Development Projects

 華營建築  
CR CONSTRUCTION  
浙建集團  
華營建築集團控股有限公司附屬公司  
A Subsidiary of CR Construction Group Holdings Limited  
股份代號 Stock Code: 1582



### Proposed Data Centre Development at No. 2-16 Lam Tin Street, Kwai Chung

The project involves the construction of one 20-storey data centre building, 2-Level basement car park, and emergency vehicular access, external and remaining works. The total construction floor area is 22,931m<sup>2</sup>. The project started in early March 2021.



Silver Award



Jockey Club i-Village at The Hong Kong, University of Science and Technology  
香港科技大學

### Project Contributors

The Hong Kong University of Science and Technology  
Leigh & Orange Ltd.  
Zaha Hadid Architects  
WSP (Hong Kong) Ltd.  
Paul Y. Construction Company, Ltd.

### Project Description

Pioneering student residence has been designed to the highest standard by using smart technology to provide an environmentally friendly by having façade and toilet pod components fabricated off-site and develop a smart campus.

The form of the building has been developed to be a site optimised configuration by digital tools to allow simultaneous considerations of numerous site parameters such as the terrain levels, existing soil nails and sightlines.

The massing has been designed with all rooms face a green space, and effectively the building has no rear elevation. The construction strategy has been in parallel designed to allow for efficient procurement and installation on site with the use of BIM.

Jockey Club i-Village at The Hong Kong, University of Science and Technology





## BIM PROJECT

## Private Development Projects



### Merit



**MES Group**  
Your  
Trusted Partner  
in  
Digital Transformation

### BIM-Enabled Design and Cost Estimation Automation System for Metal Systemic Formwork

BIM驅動的裝配式鋁模設計及  
算量軟件

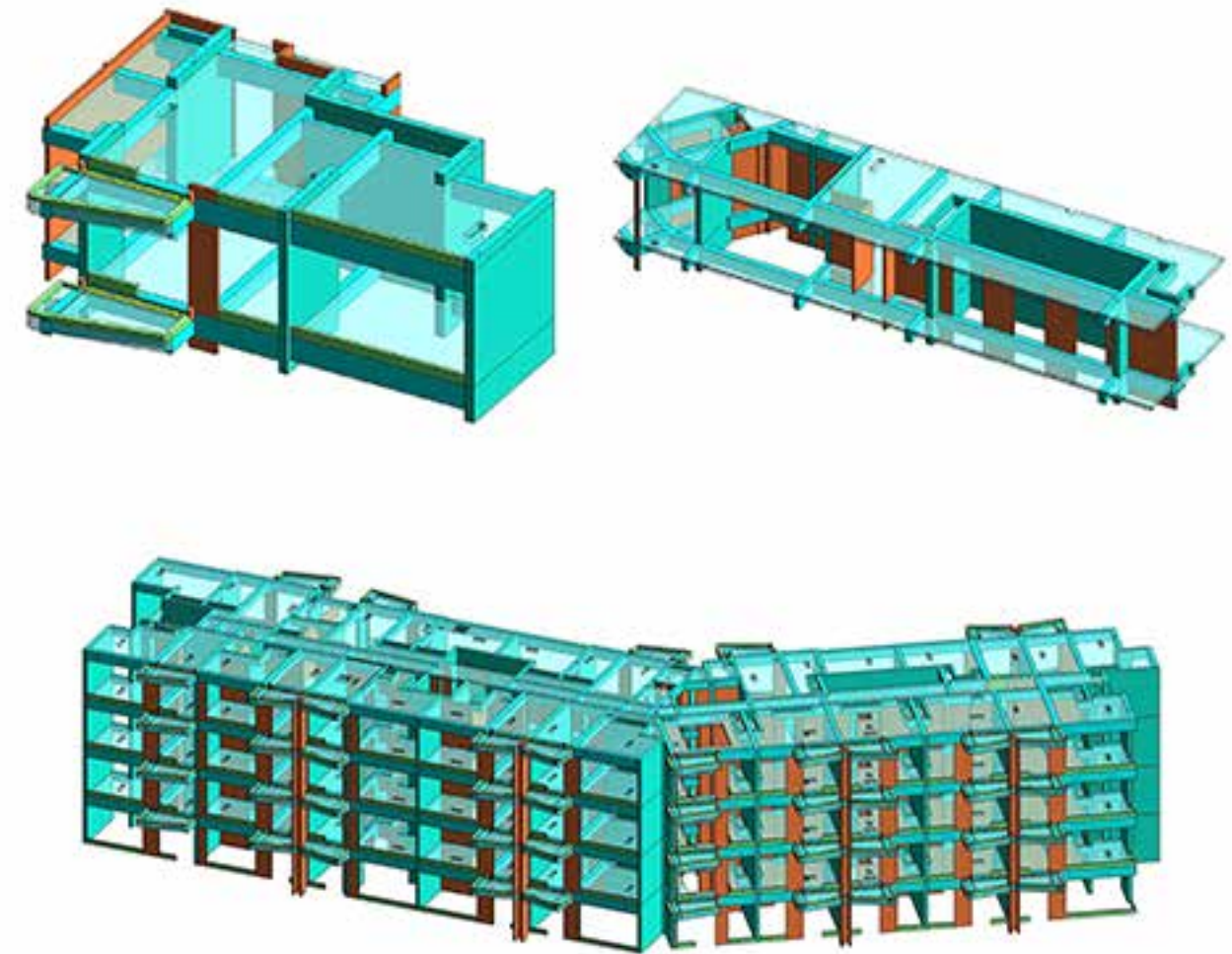
### Project Contributors

Hong Kong University of Science and Technology (HKUST)  
MES Services Limited  
Ming Tai Construction Engineering Co. Ltd  
Ubiquitous Technology Ltd.

### Project Description

MES, together with Mingtai and other R&D partners, develop a novel BIM-Enabled Design and Cost Estimation Automation System for Metal Systemic Formwork. After more than 3 years of product development and testing, a BIM-enabled algorithmic software is developed for automatic design configuration. Users can apply specific rules to automatically generate complex formwork design, bill of materials, shop drawings, etc. The results confirm that the automated layout configuration of wall, slab and beam members is feasible.

Traditionally, the formwork designs depended on 2D drawings, which are composed of segments of lines, curves, and points. These 2D drawings' data contain complex equations, design tables, and charts. Formwork design is mainly performed by dividing the 2D drawings' data into grids, manually designing the formwork, and calculating the quantity of formwork to be used. Many production defects are caused by errors in the 2D data during the production of formwork.





Gold Award



**A series of new & updated CIC BIM training and BIM standards related publications in 2021**

2021年一系列全新及更新版建造業議會建築信息模擬培訓及建築信息模擬標準刊物

**Project Contributors**

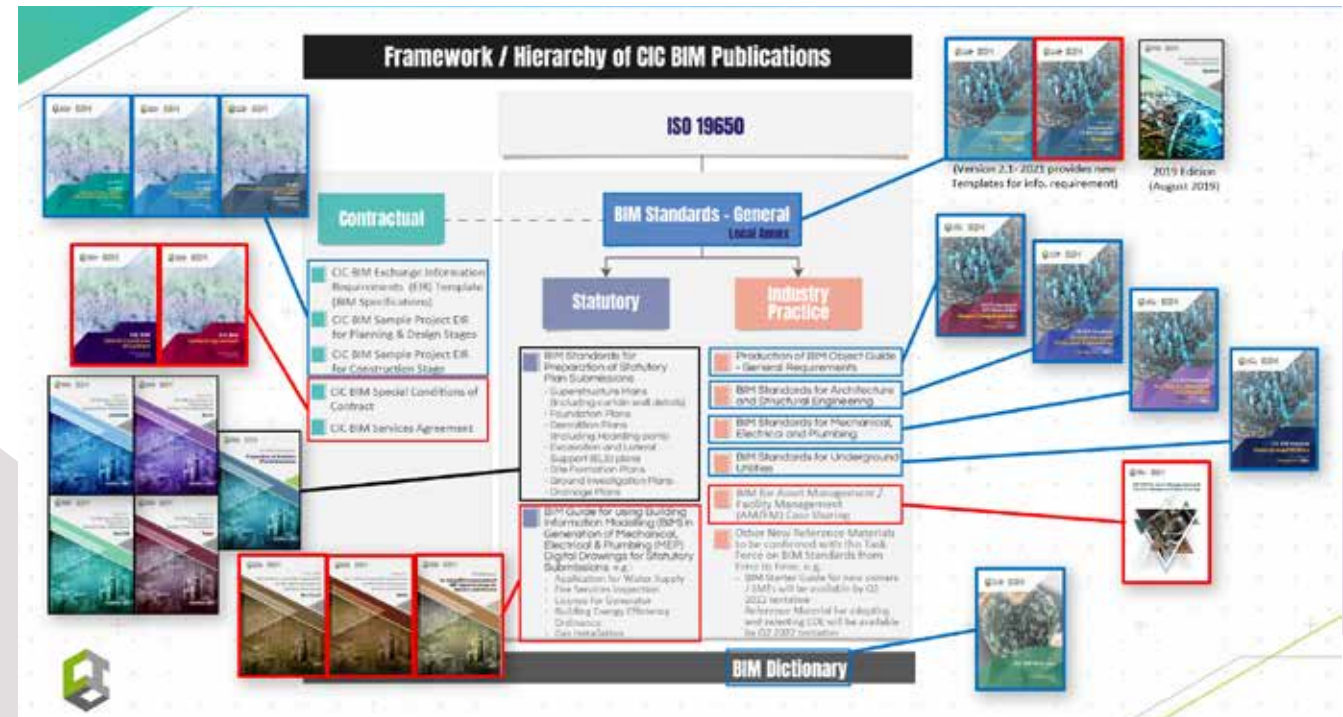
- Construction Industry Council (CIC)
- Members of CIC Committee on BIM
- Members of CIC Task Force on BIM Standards
- Members of CIC Task Force on BIM Specifications and Agreement
- Members of CIC Task Force on BIM Training

**Project Description**

In 2021, the CIC successfully developed a series of new and updated BIM training related and BIM Standards related publications for reference by the industry.

Key publications include BIM Viewer Teaching and Learning Kits, BIM Guide for Generation of MEP Drawings for Statutory Submissions, BIM Special Conditions of Contract, BIM Services Agreement, and Report on 3D Spatial and BIM Data Use Case Requirements.

All publications are available on CIC BIM Portal. We sincerely thank for the contribution by all Members of our Committee on BIM, Task Forces, Project Steering & Working Groups, Consultants & Contractors, as well as industry stakeholders.



A series of new & updated CIC BIM standards related publications in 2021



CIC BIM Competition 2021



Teaching and Learning Kit for BIM Viewer Training





## BIM PROJECT

## BIM Initiatives



### Silver Award

### BIM with HILTI



### Project Contributors

BYME Engineering (Hong Kong) Limited  
 Hilti (Hong Kong) Limited  
 Jardine Engineering Corporation  
 Technological and Higher Education Institute  
 WSP Hong Kong Limited

### Project Description

BIM with HILTI is joint partnership held by 4 companies - Hilti (Hong Kong) Limited, BYME Engineering (Hong Kong) Limited, Jardine Engineering Corporation & 1 institution - Technological and Higher Education Institute, WSP Hong Kong Limited.

The objectives of this program are to create platform for BIM Knowledge Sharing among all. Also, to form the best practice of working on BIM in MEP to market and to nourish next generation.

This program will include different activities and finally the project members will leverage their real case to re-work with MEP design software and BIM to Field solution. Possible savings will be presented in the end of this program.





## BIM ORGANIZATION

## BIM Initiatives



Bronze Award

# ARUP

## Neuron Carbon

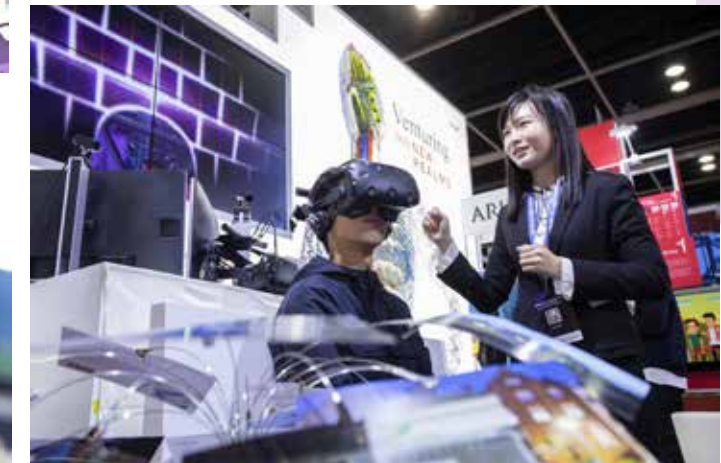
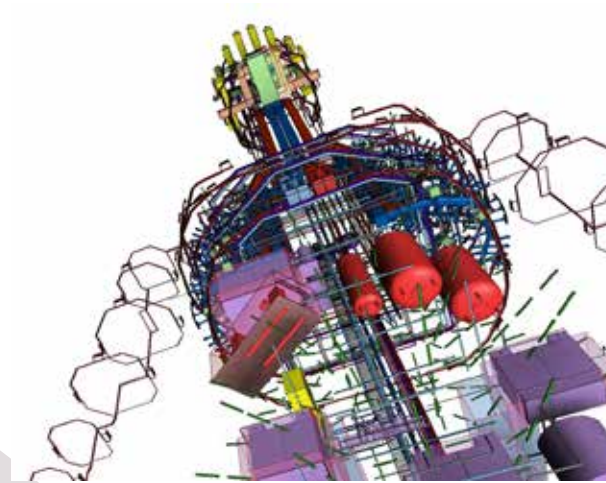
### Project Contributors

Arup

### Project Description

To echo Hong Kong's carbon neutrality target and ESG principles for effective business operations, Arup has developed Neuron Carbon, an online digital platform to help developers monitor and review their projects' whole life cycle carbon emission for better portfolio management.

The tool manages both embodied carbon and operational carbon from design and construction to operation phase with the use of BIM models. It serves as the 'digital brain' for buildings to consolidate and connect data from disparate sources, including BIM model, IoT data, BMS data and asset information, to provide customised insights and machine learning models for carbon emission management and improvement.



# BIM Organisation

## AEC Consultants

- Gold Award – Arup
- Silver Award – Advanced Construction Information Development Limited
- Bronze Award – Wings & Associates Consulting Engineers Ltd.

## BIM Consultants

- Grand Award – Vircon Limited
- Gold Award – isBIM Limited
- Silver Award – Global Virtual Design and Construction Limited
- Merit Award – B BIM Creation Limited

## BIM Department / Units / Teams within an Organization

- Grand Award – China State Construction Engineering (Hong Kong) Limited
- Silver Award – Paul Y. Engineering Group Limited  
– WSP Hong Kong Limited

## BIM Education Institute

- Gold Award – Vircon Limited
- Silver Award – Advanced Construction Information Development Limited  
– Hong Kong Institute of Vocational Education (IVE)  
– Llewellyn and Partners Company Limited  
– The Hong Kong University of Science and Technology
- Bronze Award – Form.Welkin





## BIM ORGANISATION

AEC Consultants



Gold Award

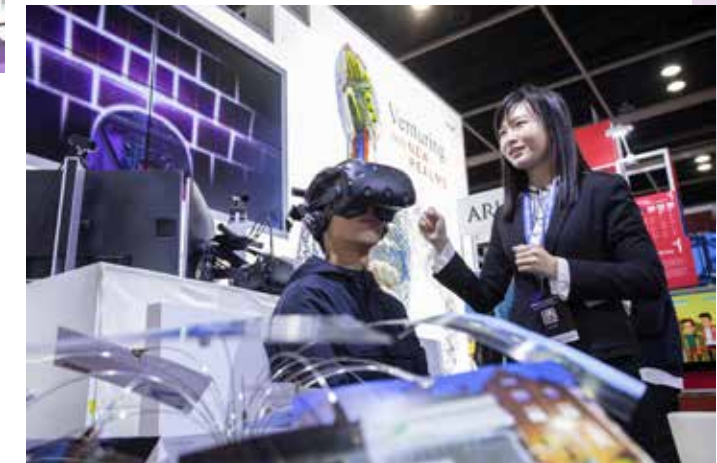
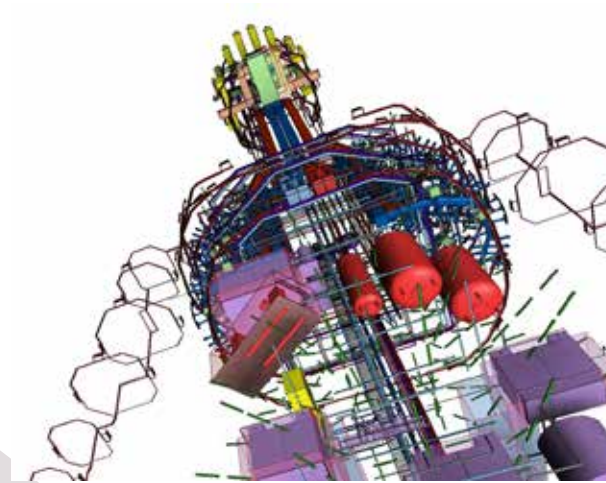
# ARUP

Arup  
奧雅納

### Project Description

Dedicated to sustainable development, Arup is a collective of 16,000 designers, advisors and experts working across 140 countries. Founded to be both humane and excellent, we collaborate with our clients and partners using imagination, technology and rigour to shape a better world.

Digital runs through everything we do. We're engineers and analysts, planners and designers, strategists and digital specialists – determined to enhance the world around us. Our work combines analytical innovation, digital creativity, emerging technology, with the multidisciplinary breadth of Arup.





Silver Award



Advanced Construction Information Development Limited

Project Description

Advanced Construction Information Development Limited (A.C.I.D.) was established in 2014 as a registered Architectural Practice under Hong Kong Institute of Architects. A.C.I.D. has been dedicated to providing clients with highest quality Architectural and Project Management and Consultancy services by applying advanced technologies like BIM, GIS, computational application and parametric modelling and platform developments. Clients will be offered efficient and feasible solutions on complex designs and workflow. We also provide BIM services for Clients, Design team, Contractors and FM operators. Projects varies from government, commercial, residential, institutional, entertainments and infrastructure. A.C.I.D. is also fully committed to the preparation of BIM standards in Hong Kong, China and worldwide. We help different clients on the digital transformation process within their organizations. We are the first company in Hong Kong/Asia obtained ISO 19650-2:2018 BIM Certification in 2019. Our achievement has been recognized by the construction industry and was presented with outstanding organization awards from HKIBIM and CIC in the past years.





## Bronze Award

 翱翔顧問工程師有限公司  
Wings & Associates Consulting Engineers Ltd. **Wings & Associates Consulting Engineers Limited**  
翱翔顧問工程師有限公司

## Project Description

WINGS is an engineering consultant company with professional engineers in wide range of expertise to offer multi-disciplinary services to the ever-evolving construction industry. Our mission is to provide high quality engineering consultancy services in "Competitive, Responsive and Approachable" manners to our clients and the local communities.

Our scope of services includes:

- Civil Engineering
- Structural Engineering
- Geotechnical Engineering
- BIM Services
- Alternative and Cost Saving Design
- Project Management
- Building Maintenance
- Condition Survey

Our BIM Services including development of BIM Model for New and Existing Structures, Precast Segment for DfMA and Utilities as well as 3D Rebar Detailing.

Our company operates quality management systems including ISO9001:2015, ISO14001:2015, ISO19650-1:2018 and ISO19650-2:2018 for BIM Projects.



**Wings & Associates Consulting Engineers Limited (WINGS)** is an Engineering Design Consulting Firm to provide consultancy services for civil, geotechnical, structural, building maintenance, condition survey, project management and **Professional BIM services**.

**WINGS** has participated in various public and private projects to provide **Professional BIM services** in past few years. In addition, **WINGS** has obtained the following BIM related awards and accreditations:

- Hong Kong openBIM/openGIS Award 2022  
- Merit Award
- HKIBIM Award - 2021  
- Certificate of Bronze Award in AEC Consulting Category
- HKIBIM Award - 2020  
- Certificate of Bronze Award in Emerging BIM Company Category
- HKIBIM Award - 2019  
- Merit of Consulting Firm Category
- ISO 19650 (ISO BIM) Accreditations  
- ISO 19650-1 & ISO 19650-2 since 2021




 翱翔顧問工程師有限公司  
Wings & Associates Consulting Engineers Ltd. TEL: 2682 9300  
Email: [info@wingsconsulting.com.hk](mailto:info@wingsconsulting.com.hk)  
Website: <https://www.wingsconsulting.com.hk>



## BIM ORGANISATION

BIM Consultants



Grand Award



Vircon Limited  
雲建有限公司

### Project Description

VirCon Limited is a consultancy founded in 2012 to provide BIM and Digital Twin services in Hong Kong and the global market. VirCon builds upon 10-year experiences of the Construction Virtual Prototyping Laboratory (CVP Lab) at the Hong Kong Polytechnic University (PolyU). CVP Lab was a pioneer in research and provided BIM services more than 10 years ago when few knew what BIM was. CVP Lab supports the latest innovation to Vircon, and Vircon delivers added value to its collaborators during the BIM execution. In addition to fulfilling contract requirements, Vircon advises our collaborators on maximizing the benefits of BIM by adopting the innovation. SGS is a minor shareholder of Vicon and operates a joint venture. The collaboration strengthens Vircon's business to establish affiliates in more than 50 countries. Vircon team includes architects, engineers, builders, and software and hardware specialists. BIM managers hold postgraduate degrees, CIC Certified BIM Membership, HKIBIM professional memberships, and/or BEAM-Plus/LEED qualifications. Vircon's comprehensive research and experts can tackle complex issues during the project life-cycle. The global team has successfully implemented and worked on 300+ BIM consultancy projects, including public and private residential, commercial, civil, casinos, hotels, etc.

BUILDING INFORMATION MODELING  
建築信息模型 + 培訓

雲建 VIRCON



## BIM ORGANISATION



## BIM Consultants



Gold Award



isBIM Limited  
香港互聯立方有限公司

### Project Description

isBIM Limited (isBIM), a member of C Cheng Group 1486.HK, is a leading BIM consultancy firm in the Asia Pacific and the largest BIM company within the Greater China region since founded in 2010.

isBIM has provided professional Building Information Modelling (BIM) and Construction Modelling and Control (CMC) consulting services for more than 100 corporate units, including Hong Kong government, Asia's leading property developers, architects, contractors and educational institutions. Throughout the years, our projects have won over 40 awards on BIM application, innovation and development.

A wholly-owned subsidiary of isBIM, Shenzhen Qianhai Jarvis Data Consulting Co., Ltd (Jarvisbim), is the major force in R&D of digital twin platform in our group. isBIM & Jarvis is committed to the R&D of the digital twin platform, our vision is letting the world be free of unmanageable projects.

We believe BIM and digital transformation can maximize the value and streamline throughout the entire building life-cycle, from design phase to construction stage to operation management.

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*Contact us*  
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Fax: +852 3116 2467  
Email: solution@isbim.com.hk

## Industry leading solutions empowers your business



### Advantages of isBIM ABCD+EF Solutions

<div style="background-color: #f96; padding: 10px; border-radius: 10px; margin-bottom: 10px;"><b>Artificial Intelligence</b></div> <p>We utilise Artificial Intelligence for the fast making of 3D models and integration with Digital Twin Environment. We will also analyse spatial information and characteristics from pictures with AI in the future. Provide the capability to generate more value from the traditional labour-intensive AEC industry.</p>	<div style="background-color: #f96; padding: 10px; border-radius: 10px; margin-bottom: 10px;"><b>Digital Twin</b></div> <p>JARVIS Digital Twin Environment replicates reality. Users can easily complete tasks and resolve problems based on experience with only 30mins of training.</p>
<div style="background-color: #f96; padding: 10px; border-radius: 10px; margin-bottom: 10px;"><b>BIM Market Leading</b></div> <p>With our technical advantage and the advanced positions in the construction field of our strategic investors and partners, isBIM possess a leading market share in both BIM consultation and the Digital Twin market.</p>	<div style="background-color: #f96; padding: 10px; border-radius: 10px; margin-bottom: 10px;"><b>Experienced</b></div> <p>isBIM consolidates project experience from more than 1,500 projects. We aggregated huge amounts of causes to both success and struggles. Obstacles and challenges are thus avoided when we assist our clients with Digital Transformation.</p>
<div style="background-color: #f96; padding: 10px; border-radius: 10px; margin-bottom: 10px;"><b>Common Data Environment</b></div> <p>Based on JARVIS Common Data Environment, Digital Twin Environment and Coding Platform, our clients can kickstart their Digital Transformation rapidly and solve existing issues by creating varieties of SaaS applications.</p>	<div style="background-color: #f96; padding: 10px; border-radius: 10px; margin-bottom: 10px;"><b>Full Services</b></div> <p>isBIM possesses the largest BIM team in China to provide all-in-one Digital Transformation services to clients.</p>



# BIM ORGANISATION

BIM Consultants



Silver Award



**Global Virtual Design and Construction Limited**

環球模擬設計及建造有限公司

## Project Description

Global Virtual Design & Construction Limited (GVDC) – The Company, wholly owned by Yau Lee Holdings Limited, was established in early 2013 with a pool of experienced Engineers, Quantity Surveyors, Designers, IT experts, BIM experts and BIM Modellers. Singapore, Malaysia and China offices were set up in end of 2013, end of 2014 and quarter 3 of 2015 respectively. As of today, we have 6 CIC Certified BIM Managers, of which 7 are Professional Member of HKIBIM (MHKIBIM). There are also a total of 7 CIC Certified BIM Coordinators and 6 Associate Members of HKIBIM (AMHKIBIM). We provide BIM trainings and consultancy services for Hong Kong, Macau, China as well as ASEAN countries such as Singapore and Malaysia. We are dedicated to provide BIM and VDC services for building projects throughout their entire cycles from planning, design development, tendering and procurement, fabrication and construction to facility operation and maintenance as well as renovation.

GVDC provides all standard BIM services as available in the market including 2D, 3D, 4D & 5D BIM consulting services as well as one-stop customizable solutions particularly to involve such as BIM implementation, training, evaluation & advice, data management, project lifecycle management and multidisciplinary design optimization in all stages. We aim to be GREEN, be LEAN and be BIM and to hold the leadership in the industry particularly in the advanced 4D and 5D solutions.



**環球模擬設計及建造有限公司**  
Global Virtual Design and Construction Limited

<p><b>建設 Innovation in 創新 Construction</b></p>  <p><b>組裝合成建築法 MiC</b> ● 建築 2.0 &amp; 行業 4.0 ● Construction 2.0 &amp; Industry 4.0 <b>BEANiE</b> ● 2D 信息, 無線射頻標籤, 3D 建築信息模型, 區塊鏈 ● 2D info, RFIP, 3D BIM, Blockchain</p>	<p><b>智能 Smart Green 綠色建築 Building</b></p>  <p><b>EcoDesigner STAR</b> ● 建築信息模型綠色評估工具 ● BIM Enabled <b>Green Building Assessment Tools</b></p>	<p><b>虛擬 Virtual 實境 Reality</b></p>  <p><b>完整生命週期管理 Full Lifecycle Management</b> ● 通用數據環境 ● Common Data Environment</p>
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Our Strategic Partners 策略合作夥伴





## BIM ORGANISATION

## BIM Consultants



### Merit



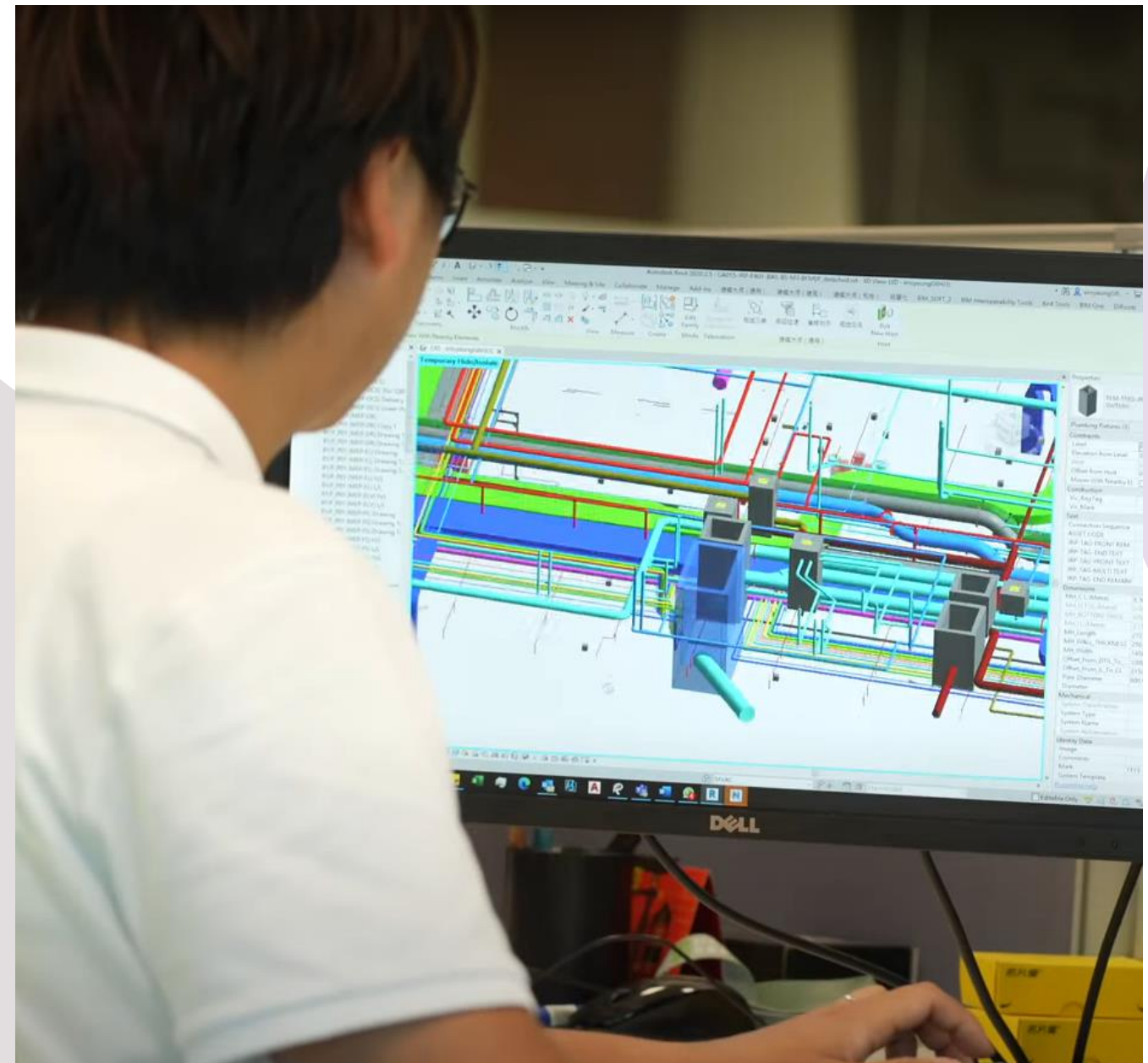
**B BIM Creation Limited**  
友基創科有限公司

### Project Description

Founded in March 2018, BBIM is an intermediary consultant specializing in Building Information Modelling (BIM) and Quantity Surveying (QS) and its implementation in the construction industry. We have extensive experience in a variety of BIM project types including Commercial and Residential Developments, Airport Terminal Buildings, Schools, Churches, Columbarium, Hospital, Tunnel and Infrastructure, working across different stages including design, tender and construction. We provide multi-dimensional services such as new build, addition & alternations, fitting-out and civil engineering.

In addition to our BIM and QS projects, we also invest in BIM software through acquisition and testing, as well as conducting our own research and development in primary and secondary software plugins, to improve BIM use and its value in our construction industry.

Our team branched out from Beria Consultants Limited, responsible for the integration of Hong Kong QS Measurement Standards into BIM Models for Quantity Take-Off (QTO). We focus and specialize in providing full BIM consultancy services, BIM quality assurance and quality control management, QS consultancy services and BIM professional training in both Hong Kong and Greater China AEC industries.



# BIM ORGANISATION

# BIM Department / Units / Teams within an Organization



## Grand Award



**China State Construction Engineering (Hong Kong) LTD.**

中國建築工程（香港）有限公司

## Project Description

China State Construction Engineering (Hong Kong) Limited ("the Company" or "China State Hong Kong") started its construction business in Hong Kong in 1979. The Company engages in building construction and civil engineering works. China State Hong Kong is among the largest construction contractors in Hong Kong, and is approved by the Works Bureau, to be on the List of Approved Contractors (Group C) for Public Works in the five major categories of building and civil engineering works, namely, "Buildings", "Port Works", "Roads and Drainage", "Site Formation" and "Waterworks".

China State Hong Kong plays an active role in the construction industry by means of its sound quality management, and has professional expertise capable of undertaking high quality and technically advanced projects. It has undertaken over 800 construction projects in Hong Kong and Macau over the past 40 years and has acquired substantial experience and capabilities in doing so. Projects undertaken range from building works, namely, public housing, private residential, office / commercial, industrial, hospital institutions, educational and cultural facilities, hotels, public institutions (such as Hong Kong International Airport Passenger Terminal Building); to civil engineering works, namely, site formation, highways, bridges, reclamation and tunnel projects; as well as piling, mechanical and electrical engineering works.



## BIM ORGANISATION



Silver Award



Paul Y. Engineering Group Limited

保華建業集團

### Project Description

#### We build, manage, add value

For more than 75 years, Paul Y. Engineering Group Limited (PYE) has played a vital role in shaping the iconic skylines of Hong Kong, Macau and Mainland China. PYE was founded in 1946 in Shanghai and is now one of Hong Kong's largest contractors, with a growing clientele in the region.

#### We are committed to satisfying client expectations by integrated project delivery solutions

PYE is headquartered in Hong Kong, one of the world's most dynamic cities. From Mass Transit Railway underground stations, Hong Kong Cross Harbour Tunnel and Tin Kau Bridge to iconic commercial properties like Landmark East, Cheung Kong Center, The Center, and Cyberport - PYE has helped build and improve communities in Hong Kong.

#### We construct for a better tomorrow

We operate on the belief that the industry would benefit from high-quality and innovative local approach. We are strongly committed to improving on our built environment, and minimising our impact on the environment through sustainable practices and solutions.

## BIM Department / Units / Teams within an Organization



# BIM ORGANISATION



Silver Award



**WSP (Asia) Limited**  
 科進顧問（亞洲）有限公司

## Project Description

WSP is one of the world's leading professional services consulting firms. We have been active in Asia since early 1970s, contributing to many of the region's infrastructure, building and urban developments. We foster Asia's sustainable growth through our collaborative force and innovative engineering solutions.

BIM is a fundamental part of our end-to-end digital services from advisory, design, integration and implementation through to operations, maintenance and analytics. At the forefront of offering integrated digital solutions, WSP strives to optimise the considerable potential of technology and work processes associated with BIM, combined with our award-winning expertise, to enable collaborative, efficient and effective building and infrastructure design.

Apart from experienced applications in modelling, we have been pushing the boundaries of BIM for more advanced deliverables including scan-to-BIM approach, engineering analysis, 4D phase planning, 5D simulation, DfMA/CMS simulation, immersive design, asset management and digital twins, adding values to a wide range of projects and clients through minimising energy consumption, uncovering operational insights, informing decision making and sharing knowledge.

# BIM Department / Units / Teams within an Organization



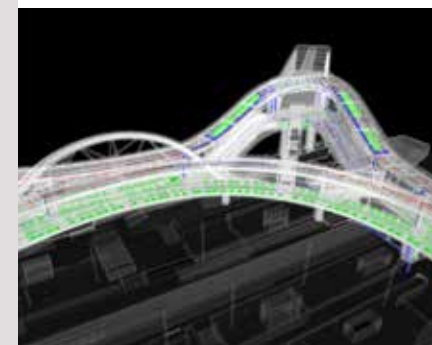
▶ Organic Waste Treatment Facilities (Phase 2)



▶ Tseung Kwan O Desalination Plant (First Stage)



▶ Wong Chuk Hang Station Package Two Property Development



▶ Taikoo Place Redevelopment



▶ Conservation and Revitalisation Works at Shanghai Street



▶ 2 Murray Road



Gold Award



Vircon Limited  
雲建有限公司

## Project Description

VirCon Limited is a consultancy founded in 2012 to provide BIM and Digital Twin services in Hong Kong and the global market. VirCon builds upon 10-year experiences of the Construction Virtual Prototyping Laboratory (CVP Lab) at the Hong Kong Polytechnic University (PolyU). CVP Lab was a pioneer in research and provided BIM services more than 10 years ago when few knew what BIM was. CVP Lab supports the latest innovation to Vircon, and Vircon delivers added value to its collaborators during the BIM execution. In addition to fulfilling contract requirements, Vircon advises our collaborators on maximizing the benefits of BIM by adopting the innovation. SGS is a minor shareholder of Vicon and operates a joint venture. The collaboration strengthens Vircon's business to establish affiliates in more than 50 countries.

VirCon is a well-known professional training provider with comprehensive BIM knowledge and a top-class facility. Vircon has graduated more than 2,000 diverse background trainees, including owners, project managers, architects, engineers, workers, etc. Vircon training courses are certified by CITF, and CIC accredits the BIM coordinator. Furthermore, with Vircon's strong project experience, the experienced BIM Manager has supported and designed part of the training as project-based training to enhance our training efficiency.



# BIM ORGANISATION

BIM Education Institute



Silver Award

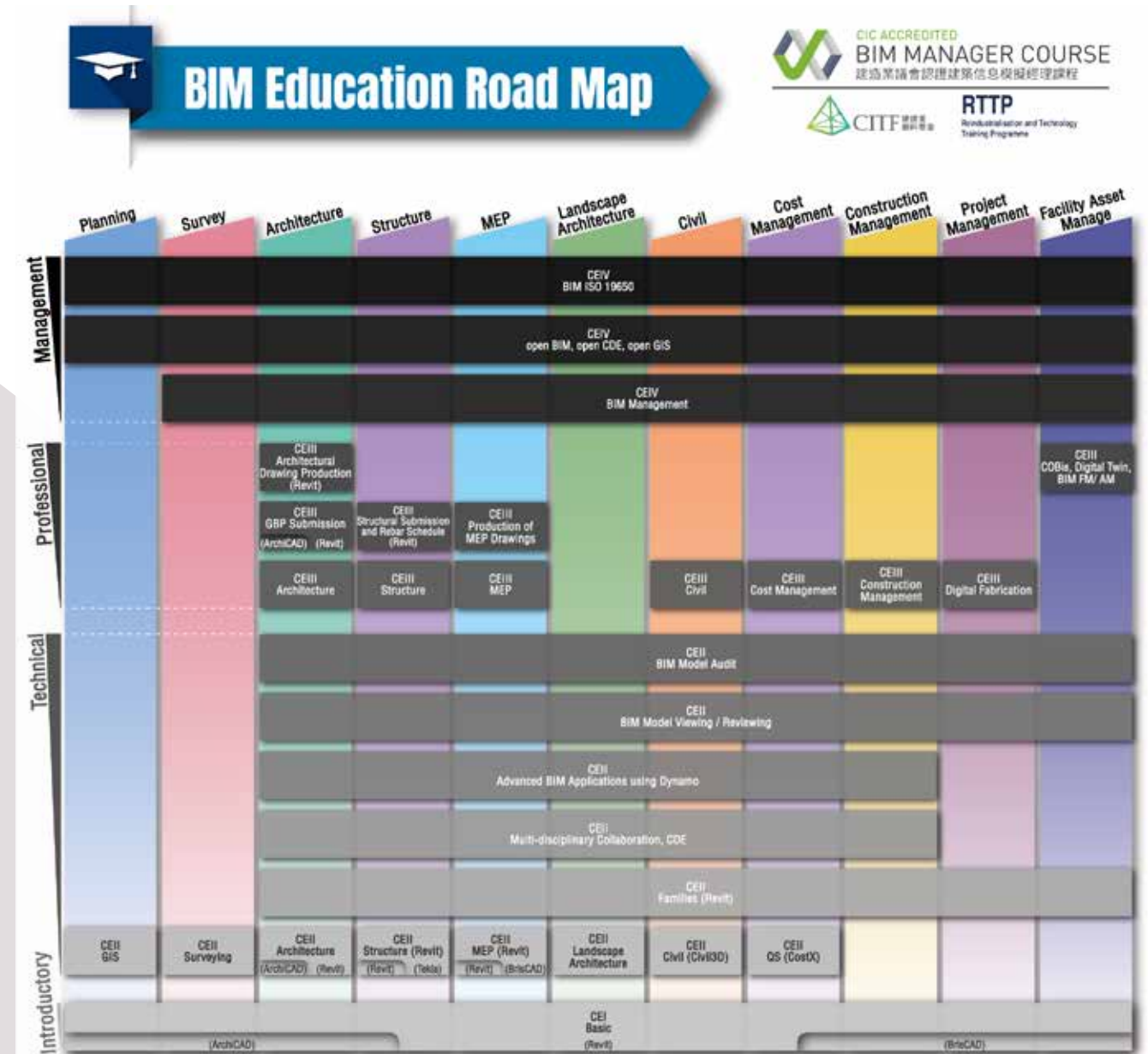


**Advanced Construction Information Development Limited**

## Project Description

A.C.I.D. is specializing in BIM education, providing industry-wide BIM training and education. The BIM Education course from Technical to Professional and Management at various disciplines from Client, Design Consultants, Contractors and Facility Managers throughout the life cycle of projects.

Our BIM courses are in the Pre-Approved List of the Construction Innovation and Technology Fund organized by the Construction Industry Council and Reindustrialisation and Technology Training Programme (RTTP) Registered Public Courses under the Innovation and Technology Fund. We have also become the course provider for CIC-Accredited BIM Manager course in 2021. Our achievement has been recognized by the construction industry and was presented with outstanding organization awards from HKIBIM and CIC in the past years.



# BIM ORGANISATION

BIM Education Institute



Silver Award



**Hong Kong Institute of Vocational Education (IVE)**  
香港專業教育學院 (IVE)

## Project Description

As a member of the Vocational Training Council Group, the Hong Kong Institute of Vocational Education (IVE) is the leading vocational and professional education provider in Hong Kong, committed to nurturing professionals valued by industries. IVE has been evolving in tandem with the economic development of Hong Kong, building a competent and innovative workforce needed in a knowledge economy.

The engineering Discipline of the Hong Kong Institute of Vocational Education (IVE Engineering) is the largest of the seven academic disciplines within IVE. It enrolls a total of 3,700 full-time and 5,800 part-time students.

Currently, IVE offer six CIC-Accredited BIM Coordinator Courses and all these programmes are at QF Level 4. We are also developing a new Certificate for Building Information Modelling Manager and seeking accredited as CIC-Accredited BIM Manager Course which will target to launch in Mid-2022.





# BIM ORGANISATION

Silver Award



Llewellyn & Partners Co.Ltd.

## Project Description

With over a decade practical experience in the AECO industries in the UK, China and Hong Kong, Llewellyn and Partners Company Limited (LPC)'s mission is to reshape the AECO ecosystem by offering innovation and standardisation solutions through BIM, GIS, A.I., IoT and Blockchain technologies. Our creative, cutting-edge and unprecedented digital inventions are tailor-made to empower individuals, brands, and the industry to the new construction and real estate normals.

Founded in 2019, LPC is the first Building Information Modelling (BIM) innovation start-up of the University of Hong Kong's i5 BIM Research Laboratory and an Incubatee of HKSTP. We are also one of the first companies in the world to receive BSI Kitemark™ for BIM Software (ISO 19650), and our invention has been awarded Silver in the Geneva Inventions 2021.

With over a decade of practical experience in the UK, China, and Hong Kong, we proactively engage with the stakeholders to drive the smart city through cutting-edge technologies and international standards.

# BIM Education Institute





Silver Award



The Hong Kong University of Science and Technology  
香港科技大學

Project Description

The Hong Kong University of Science and Technology (abbreviated as HKUST) is a public research university in Clear Water Bay Peninsula, New Territories, Hong Kong. Founded in 1991 by the British Hong Kong Government, it was the territory's third institution to be granted university status.

HKUST is commonly regarded as one of the fastest growing universities in the world. In 2019, the university was ranked seventh in Asia by QS and third by The Times, and around top 40 internationally. It was ranked 27th in the world and second in Hong Kong by QS 2021. It also ranked first in Times Higher Education Young University Rankings in 2019 and second by QS world's under-50 universities in 2020.

Today, the university consists of four main academic schools, offering programmes in science, engineering, business and management, humanities and social science, along with the Interdisciplinary Programmes Office, HKUST Fok Ying Tung Graduate School/Guangzhou HKUST Fok Ying Tung Research Institute, HKUST Jockey Club Institute for Advanced Study and HKUST Institute for Public Policy.



Sustainable Campus



## Bronze Award



**Form.Welkin**  
天行凝方

## Project Description

Form.Welkin provides professional BIM training/certification services to Hong Kong construction industry stakeholders since 2009. The BIM curriculum developed by Form.Welkin has the widest coverage on different BIM skillset such as BIM modelling, customization, management, analysis and standard compatibility. Further achievements like Autodesk Professional Certifications are available to apply and prepare in our Centre. In 2021 our BIM education reach to a new height as the courses Professional Certificate in BIM Management & Professional Certificate in BIM Coordination accredited by CIC, we are glad to provide professional level BIM training under the construction industry accredited framework in Hong Kong.



# Outstanding BIMer of the Year

## Rising BIM Star of the Year

Gold Award – Ms Chan Hoi Lun, Helen  
– Mr Law Ka Keung, Mat

Silver Award – Mr CHIU King Hei  
– Mr Ho Ning Fung

Bronze Award – Sr Chan Tak Chuen  
– Mr Choi Siu Fung

## Most Valuable BIMer of the Year

Gold Award – Mr HO Kwing Kwong, Alex

Silver Award – Dr Chan Kang Yuen, Neo





## OUTSTANDING BIMER OF THE YEAR



Gold Award



**Helen Chan Hoi Lun**  
陳凱倫

### BIMer Biography

Her knowledge and experience span across multiple disciplines in civil construction projects, but where she shines is her specialized expertise in BIM. She is actively involved in digitalisation of construction processes and BIM management such as modelling standard, execution plan, family database etc. to adopt BIM in large-scale civil projects. With the knowledge of geomatics and integrated project delivery, she participates actively on the Civil BIM development and initiate the application of BIM on design, construction, surveying and quantity survey aspects. With years of BIM-focused experience under her belt, her notable works include the Three-runway System projects and West Kowloon Cultural District project with integration of BIM and other technologies. She currently serves as BIM manager of China State Construction Engineering Hong Kong Limited for 3RS project, 3310 North Runway Modification Works. Her commitment is to bridge the gap between BIM and key players throughout the project life cycle and to achieve continuous progress on both professional and personal fronts through all-round BIM and information management skills with emphasis on targets.



## Rising BIM Star of the Year



Gold Award



**Law Ka Keung, Mat**  
羅家強

### BIMer Biography

Mat Law started off his career as a BIM Modeller with a Consulting firm in 2008 and has climbed his way to managerial role to manage teams of BIM Engineers while with Construction firms till 2019. With perseverance, Mat has earned his undergraduate degree in 2014, majoring in Construction Management from Coventry University.

Mat is now a Professional Member of HKIBIM, who has over 13 years of experience and knowledge of implementing BIM throughout the lifecycle of building and infrastructure projects in global regions. Since 2019, he has also attained the CIC-Certified BIM Manager with Construction Industry Council.

Currently with Airport Authority Hong Kong, he works with a team of BIM Engineers and manages the Fire Fighting Facility of Three-Runway System Project ("3RS"). He is also part of the Client's BIM team to manage the new Terminal 2 Concourse for 3RS Project.

Some of the high-profile BIM projects Mat has participated include Dongdaemun Design Park, Pacific Place Contemporisation Project, Immigration Headquarters, Tuen Mun Public Housing, Science Park Project and many others.

In addition, Mat has actively participated in training the industry practitioners and young talents continuously to support the development of BIM with integrated project delivery practice within AECO industry.



## OUTSTANDING BIMER OF THE YEAR



Silver Award



**Chiu KING HEI, Keith**  
趙敬熙

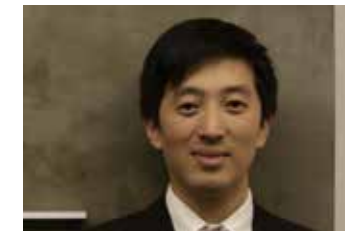
### BIMer Biography

Keith Chiu has over seven years of experience in BIM implementation. His field of work covers, but not limited to, BIM management, BIM project coordination, BIM modelling works and construction coordination. He is a CIC-certified BIM Manager (CCBM), a professional member of the Hong Kong Institute of Building information Modelling (MHKIBIM), a member of buildingSMART Hong Kong (MbSHK) and a member of Hong Kong Information Technology Joint Council (MHKITJC). With his knowledge in Engineering Management, Keith has been implementing BIM in large-scale projects such as the Lyric Theatre in the West Kowloon Cultural District and the Kai Tak Sport Park.

## Rising BIM Star of the Year



Silver Award



**Ho Ning Fung**  
何寧峰

### BIMer Biography

Mr. Ho Ning Fung is Vircon's own founding team manager and has been working in BIM for over 13 years. Since 2012, he has managed more than 100 HK BIM staff and 50 Taiwan BIM staff. His team has grown from 5 BIM Modelers to more than 30. Staffs include accredited CIC BIM managers, CIC BIM coordinators, Associate members of HKIBIM, and Professional members of HKIBIM. He is a vital member of the company. Moreover, one of his significant contributions is that he has trained more than 200 BIM executors to serve the BIM market

Additionally, Mr. HO Ning Fung oversees and supports Vircon's Taiwan branch. He has shared and trained the Hong Kong BIM practices and standards with Taiwan BIMer and clients. He actively promotes HK's own BIM experience and technology to the global market and supports the Taiwan BIM development. Until now, several Taiwan projects are following HK BIM practices and standards. In 2021, two Taiwan projects had received Autodesk BIM Taiwan awards.

Furthermore, he is an ISO 19650 specialist and auditor providing ISO consultancy services to help AEC companies to implement the procedures & practices needed to achieve ISO certificate.



## OUTSTANDING BIMER OF THE YEAR



### Bronze Award



**Chan Tak Chuen, Jason**  
陳德全

#### BIMer Biography

Jason is currently working as a Manager under CEO Office in a Hong Kong leading contractor group. His responsibilities include assisting senior management to make major corporate decisions, integrating the strategic direction of the company, acting as the communicator between the board of directors and different corporate divisions.

Jason is a Chartered Quantity Surveyor in Hong Kong, Chartered Member of Royal Institution of Chartered Surveyors (MRICS), Member of Chartered Institution of Civil Engineering Surveyors (MCInstCES), Member of Chartered Institute of Arbitrators (MCI Arb), Professional Member of the Hong Kong Institute of Building Information Modelling (MHKIBIM) and CIC Certified BIM Manager (CCBM) with extensive experience across different types of projects and aspects.

His focus is mainly in commercial & contract management, 5D BIM development, automation of digital construction and innovation.

Prior to CEO Office, Jason participated in the first Hong Kong Modular Integrated Construction (MiC) Demo Project as a QS leader and was the division leader in BIM for QS duties in a leading contractor company.

## Rising BIM Star of the Year



### Bronze Award



**Choi Siu Fung**  
蔡兆鋒

#### BIMer Biography

Choi Siu Fung, Leo is a professional member of HKIBIM, CIC Certified BIM Coordinator and BIM Manager in Chevalier Construction Company Limited. He has obtained a Master degree in Integrated Project Delivery and Bachelor degree in Architectural Studies. He has over 6 years Project and BIM implementation experience in the construction industry.

With the passion and knowledge in BIM, he is actively researching how to make BIM adoption more effective at all levels of the company's projects included Adopting Multi-trade Integrated MEP (MiMEP), Modular Integrated Construction (MiC), Facilities Management and Virtual Reality (VR) in construction. He also aims to promote BIM and train more BIM talents both at the company level and even at the industry level.



## OUTSTANDING BIMER OF THE YEAR



### Gold Award



**Mr. Ho Kwing-kwong, Alex**  
何焯光先生

### BIMer Biography

Prior to the current post of Assistant Director – Industry Development, Mr. Alex HO joined the Construction Industry Council (CIC) in 2017 as the Senior Manager and established BIM Department in the CIC.

Being the Head of the Department, he built a team of multi-disciplinary staff and worked closely with stakeholders of Architecture, Engineering, Construction, Owner and Operator (AECOO) industry and Government bureaux/departments to formulate strategies for driving the adoption of BIM and deliver key initiatives, including promoting the use of BIM and related technologies in the construction industry, developing BIM training programmes for the various levels of BIM practitioners, defining industry-wide BIM standards and reference materials, establishing and implementing BIM Certification and Accreditation Schemes (BIMCAS) in Hong Kong, and leading relevant research initiatives.

Through these initiatives, the CIC helps the construction industry to build the capacity and capability of BIM in Hong Kong and boost the adoption of BIM in projects and organisations for meeting the demand and challenges of the industry.

Special thanks to top management of the CIC, members of the Committee on BIM and Task Forces of the CIC, Government's direction and departments' commitment, professional bodies, industry key stakeholders, passionate BIMers, lecturers and researchers in academia, and BIM solutions developers and consultants. They all contribute to the advancement of BIM adoption in Hong Kong construction industry.



## Most Valuable BIMer of the Year



### Silver Award



**Dr Neo Chan**  
陳鏡源博士

### BIMer Biography

Dr. Neo CHAN is the founder of VIRCON Limited. He has been focusing and working on the execution of BIM since 2005. He is one of the BIM pioneers in HK in researching and providing BIM services and Virtual construction for A/E/C industry. From 2006 to 2011, he focused on his research studies on BIM and published several research papers. In 2011, he obtained his Ph.D. He currently manages over 200 BIM professionals and technical staff to execute more than 300 BIM projects. He led the company to run numerous projects to win Autodesk BIM Awards, including Building-SMART BIM Awards, CIC BIM achievements, and HKIBIM BIM Awards in 12 consecutive years since 2010. He is also an ISO 19650 specialist who assists the market in adopting the international BIM implementation standard.

He is a CIC Committee member on BIM, a BIM Assessment Panel member of CIC's BIM Personnel Certification and Training Course Accreditation Schemes, and a BIM Vetting Sub-committee member on CITF. He was the Chairman (2017-2019) of HKIBIM and was awarded the Young BIMer 2014 of the Year and Construction Industry Outstanding Young Person 2019 by the CIC. He has fully engaged himself in BIM development and promotion for the Hong Kong construction industry for over a decade.



## ABOUT HKIBIM

### THE HONG KONG INSTITUTE OF BUILDING INFORMATION MODELLING 香港建築信息模擬學會

We are all fans of BIM. We share our belief that this new technology can enrich our building design and construction in many different ways. We are fully devoted to the development of BIM and the implementation of BIM in our projects. That is why we come together to form the Institute and make it a recognized platform to expedite the process.

**HKIBIM was established in Jan 2009 and now with more than 1,100 members.**

#### The objects of the Institute are:

1. To uphold and advance the standard of competence for the profession and to promote the interests and recognition of its members within the industry and community;
2. The Institute works on the behalf of its members:
  - To promote and advance the general education, understanding, appreciation and interest of and in building information modelling management;
  - To foster general awareness, understanding and concerted efforts in the community towards the advancement of the Objects and the issues thereof;
  - To establish and advance standards of building information management practice in the industry.
  - To establish links with relevant institutes of tertiary education, Government Bureaus/Departments, Statutory bodies and other organizations;
  - To research, facilitate and promote the means of better management of building information for improving communication, co-ordination, management, productivity, delivery time, cost, and quality throughout the whole building life cycle;
  - To provide guidance on careers in building information management profession.



中國建築工程(香港)有限公司  
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A SUSTAINABLE FUTURE





翱翔顧問工程師有限公司  
Wings & Associates Consulting Engineers Ltd.

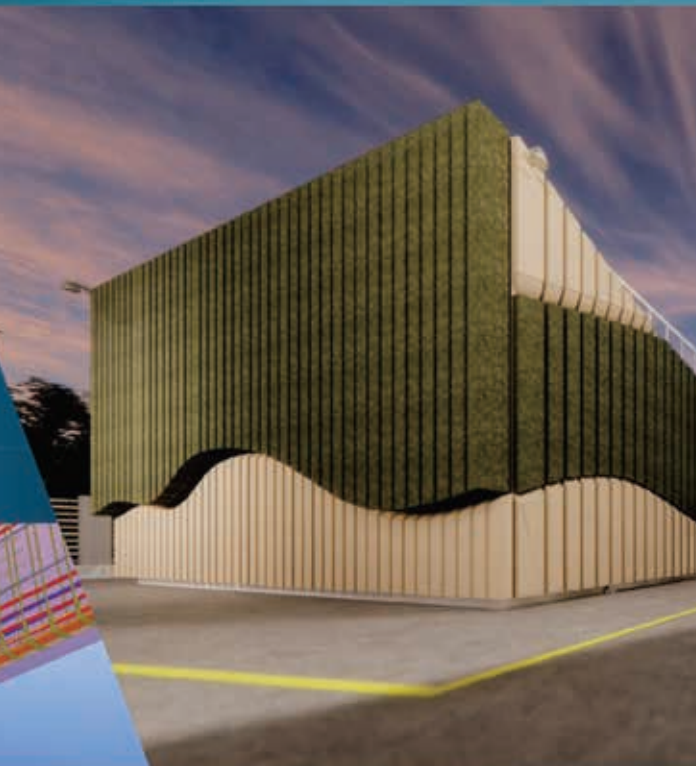
**WINGS** – established in 2015, has transformed from a small business to a local multi-disciplinary consulting firm comprised of Engineering, Building Surveying and BIM expertise with around 100 employees in Hong Kong.



TOP OF WINGS' DREAM  
IS TO EXECUTE PROJECTS  
BY BIM TECHNOLOGIES

**Lead in BIM Technology**

- ▶ Integrate BIM to Engineering Team and Building Surveying Team
- ▶ FIRST Engineering Consultant in Hong Kong accredited ISO 19650 for BIM Projects
- ▶ Full of In-House BIM experts with High tech equipment
- ▶ Exclusive BIM Room for training
- ▶ Honoured with multiple HKIBIM Awards
- ▶ In-House R&D team
- ▶ Expert in 3D Rebar Detailing



**PROJECT DESCRIPTION**

O-PARK2 adopts anaerobic digestion technology to convert food waste into biogas for electricity generation and fertilizer as by-product for landscaping or agricultural applications. In addition to providing electricity and heat for its own facilities, the surplus biogas produced can be converted to about 24 million kilowatt-hours of electricity annually, sufficient for use by some 5,000 households.

**BETTER WITH BIM**

Except for wide BIM uses covering all mandatory BIM Uses and some optional BIM uses in Development Bureau Technical Circular, O-PARK2 project has three major innovative BIM uses, including global collaboration via BIM, smart construction management (C-Smart) system developed based on BIM, and investigation on integration of BIM and CIC carbon assessment tool (CAT) for sustainable construction. Moreover, the anaerobic digester construction involving complicated construction sequences is a special case for adopting BIM to prevent setting out errors in this project.



**Name of award project**  
O-PARK2  
**Project location**  
Kong Nga Po Road, Sha Ling, N.T.  
**Project type**  
DBO  
**Scheduled time of commissioning**  
2024

**O · PARK 2**

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Hong Kong Baptist University - Jockey Club Campus of Creativity



怡和機器  
Jardine Engineering Corporation



嘉福機電工程有限公司  
BYME Engineering (HK) Ltd.



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# BIM WITH HILTI



## BIM with HILTI

To facilitate the collaboration on applying BIM throughout various stages of construction projects, BIM with HILTI is a pioneer project formed by Hilti (HK) Ltd, Jardine Engineering Corporation, WSP, BYME Engineering (Hong Kong) Ltd. and Technological and Higher Education Institute of Hong Kong, to form the best way to embrace BIM for MEP.

Throughout the 11-month journey, all the young engineers participated in the program showcased that they are fully equipped with knowledge of BIM and are skilled to put the technology to real projects. BIM with

HILTI facilitates communications between consultants and main contractors, fosters mutual understanding to minimize clashes and inaccuracy occurred in one project. It brings full transparency of MEP design in the early stage, including every details and feasibility of applying common hangers to achieve space, time and cost optimization. At the end of the program, participants applied Hilti's BIM-to-Field solutions into hands-on practices, to build with Hilti's modular support system and explored the robotic solution to ensure accurate installation.

Scan to learn more:





**Proposed Data Centre Development at No. 2-16 Lam Tin Street, Kwai Chung**

The project involves the construction of one 20-storey data centre building, 2-Level basement car park, emergency vehicular access, external and remaining works. The total construction floor area is 22,931m<sup>2</sup>. The project has started in early March 2021.



**Redevelopment of Kowloon Tsai Swimming Pool Complex**

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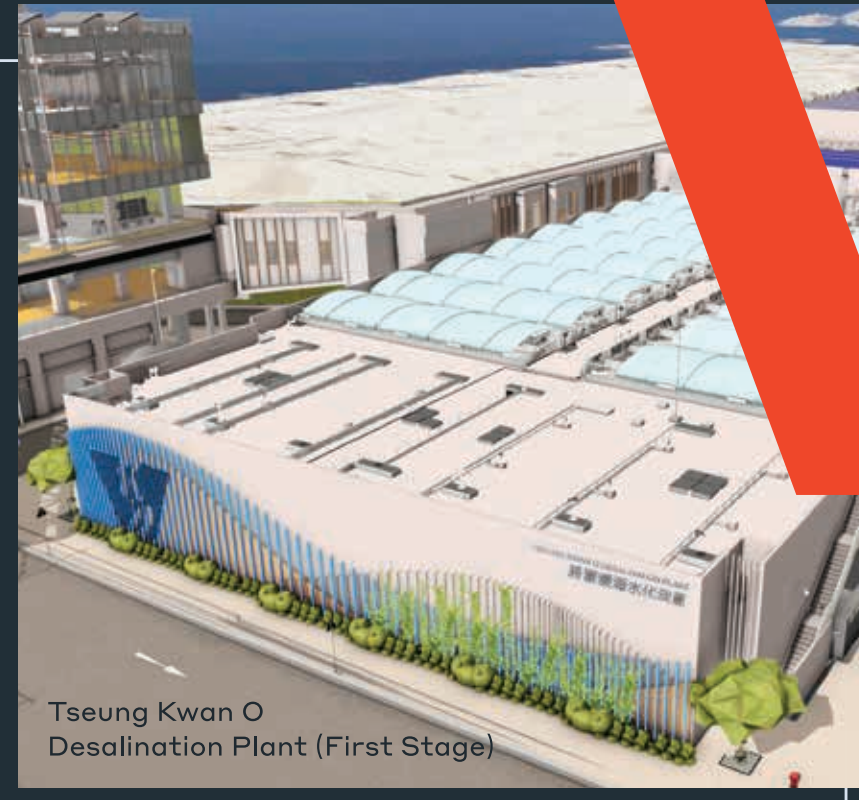


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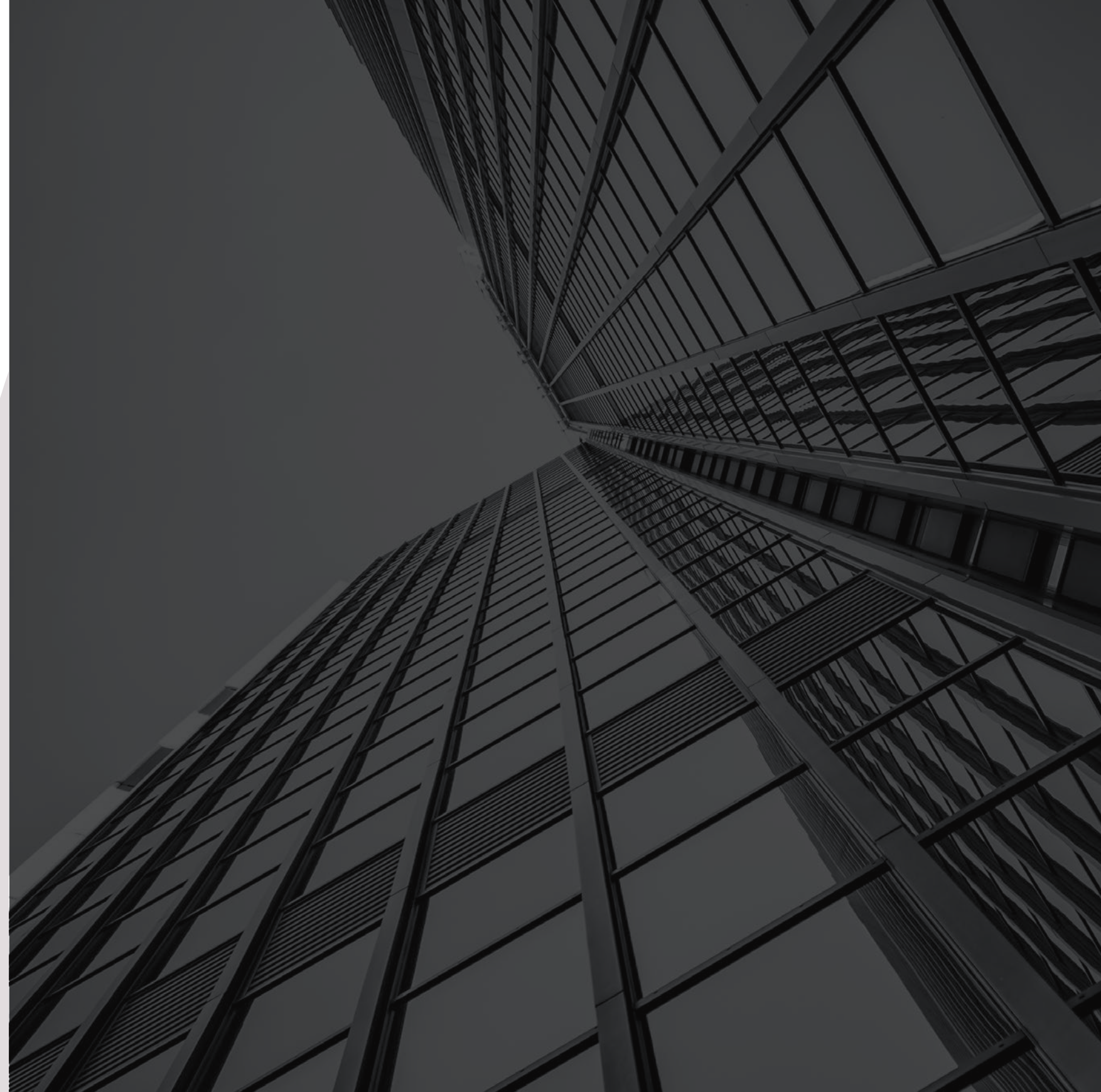
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