



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

HKIBIM AWARD 2018



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Message from the HKIBIM Chairman



Dr. Neo CHAN

Chairman

The Hong Kong Institute of Building Information Modelling

On behalf of the Hong Kong Institute of Building Information Modelling (HKIBIM), it is my honour to welcome you to the HKIBIM Awards Presentation Dinner 2018.

The institute aims to reward companies and organisations which have been actively using BIM technology in their projects. As the Chairman of HKIBIM, I am excited to see how the transformative power of technology is changing the way buildings and infrastructure are designed. The growing acceptance of BIM within the industry reflects advancing capabilities and the progress of our society.

The institute has aimed to improve decision making and performance across all disciplines by encouraging the use the latest technologies. BIM has continuously evolved to encompass far more than just basic design. Today, we want to recognise the tremendous value industry practitioners have brought to Hong Kong and its communities.

HKIBIM Award applicants include all companies that are using BIM technology during different stages of a project's life-cycle. The scoring system is based on four judging criteria: BIM Projects, BIM Managers

Message from the HKIBIM Chairman

& HKIBIM Members, and BIM Awards and Standards. The judges have selected the most deserving nominees using strict guidelines to verify the competencies of BIM professionals, including the performance and quality of work in BIM projects.

Tonight we will honour the professionals who have made significant contributions and achievements in the industry. We are thrilled for the opportunity to be here to congratulate all the winners, and to show our appreciation for your participation and support of HKIBIM. I hope that today's event will encourage everyone to achieve even greater achievements as they deploy BIM in the future.

On behalf of HKIBIM, we would like to thank our Juror Panel for their efforts and contributions, and we are truly grateful to all our sponsors who have provided such generous support. Thank you everyone for making the inaugural HKIBIM Award Dinner such a rewarding and memorable event.

I wish you an enjoyable evening and great success in your future endeavours.

Employer Category

Grand Award - Airport Authority Hong Kong - Third Runway Division

Grand Award - Architectural Services Department, HKSARG

Merit - Nan Fung Development Ltd

Merit - Walt Disney Imagineering Asia Limited

Employer Category

Grand Award



Airport Authority Hong Kong – Third Runway Division

機場管理局 - 三跑道部門

Year of Establishment: 1995

Company Profile

The Airport Authority Hong Kong (AAHK) is a statutory body wholly owned by the Hong Kong SAR Government. Established in 1995, the AAHK is responsible for the operation and development of Hong Kong International Airport (HKIA).

Employer Category

The Airport Authority has used BIM for design and construction since 2006 for the project, “North Satellite Concourse” and in 2010 for the “Midfield Concourse” which open in 2015 as one of the major development since the opening of the Airport in 1998. The lessons learnt from these projects have provided AA the solid background to establish our BIM strategy being implemented for the 3RS project.

The 3RS Project, is a multi-disciplinary project in term of design and construction, including ground improvement, seawall, reclamation filling, tunnel, civil, building, architecture and building services associated with very unique and specialist systems such as Automatic People Mover (APM), Baggage Handling System (BHS) and airport systems in the Airfield and the Terminal Building . AA has setup an internal BIM team to drive the BIM implementation throughout the design and construction including training of in-house staff to ensure the application of BIM is effectively implemented across various platforms of participants and the processes are in compliance with established standard.



BIM requirements including execution plan and specification are established and incorporated in all design and construction contracts to ensure the BIM process and the BIM model prepared from different design consultants and works contractors are consistent to align with AAHK BIM protocols. All 3RS design and construction projects will have shared a common goal for their respective BIM implementation to achieve a better design and construction information quality to enhance projects collaboration efficiency. Key requirements are clearly specified including using BIM directly for planning and design, clash tracking and resolution, generating construction documentation from the BIM models, 4D construction simulation, as-built verification, on-going updating of BIM model and ultimately hand-over the as-built BIM model for operation to facilitate asset management.

The integrated 3RS BIM models serves as a digital platform for all design consultants and 3RS project staffs to have better understanding and coordination for all interface issues. The work-in-progress models prepared and submitted regularly by the consultants are being used as a continued tracking models to monitor the design progress are according to the established design schedule.

Employer Category

Grand Award



**Architectural Services Department,
HKSARG**

香港特別行政區政府建築署

Year of Establishment: 1986

Company Profile

The Architectural Services Department performs three core functions in relation to Government-owned and Government-funded facilities in the following programme areas:

1. Monitoring and Advisory Services
2. Facilities Upkeep
3. Facilities Development

Our department is committed to collaborating with our industry partners, user departments and stakeholders in developing and maintaining the public facilities for providing a better service to the general public. We provide professional and technical advice to the Government and quasi-government organisations and to oversee subvented and entrusted projects.

Employer Category

Building Information Modelling (BIM) technology, as a process of generating digital visual representation of building data, offers an innovative way to enhance communications between different parties involved in various stages of a building lifecycle. With BIM technology and its data packed models, building designers will be able to make more informed decisions to carry out innovative and sustainable designs.



BIM facilitates prefabrication and standardisation of various building elements for construction. The BIM workflow enables virtual assembly of precast concrete blocks, structural steel members and modular facade elements. It allows dimensional coordination across multi-disciplines. BIM benefits extend to the post-construction stage. Integration of RFID technology with BIM facilitates easy element selection and improves a facility manager's information retrieval efficiency during the O&M phase. We will continue to study advanced technologies of BIM for project applications as well as on asset maintenance management.

Employer Category

Merit



南豐集團
NAN FUNG GROUP

Nan Fung Development Ltd

南豐發展有限公司

Year of Establishment: 1954

Company Profile

Nan Fung Development Limited is a subsidiary of Nan Fung Group, which was founded in 1954 and is one of the largest privately-held conglomerates in Hong Kong with global interests in real estate development and investment, hotels, shipping and holds a well-diversified, substantial financial investment portfolio. The Group has completed over 165 real estate projects including residential, commercial and industrial buildings and is awarded “BCI Asia – Top 10 Developers in Hong Kong” again for 2018.

Nan Fung’s core values “Quality, Value, Innovation and Service” guides us in our business activities. Embracing new ideas and latest technologies, Nan Fung has been actively implementing Building Information Modelling (BIM) and Virtual Design and Construction (VDC) to manage the entire development value chain from design and construction to operation and maintenance. Nan Fung’s vertically integrated team enables significant synergies across development to property management.

In recent years, Nan Fung has expanded its investment focus on ICE (Innovation, Creativity and Entrepreneurship), exemplified by its signature project, the Mills, a revitalization of its factories – once one of the largest textile yarn manufacturers in the region – into a hub promoting tech-style and destination for innovation, culture and learning. In addition, Nan Fung has also made significant progress in investments related to the life sciences sector in the US via Pivotal; as well as in Mainland China via an affiliate, New Frontier, which focuses on healthcare, elderly care, education and new technology.

Using BIM in a Landmark Revitalization Project

The Mills is Nan Fung's heritage landmark revitalization project at Tsuen Wan, transforming Nan Fung's former textile factories into a destination for innovation, culture and learning, with a scheduled completion in 2018. The project adopted BIM since early stages of design to review and compare the existing structure to new building elements. With the assistance of 3D visualization, we quickly identified areas requiring us to refine the design earlier before construction. During construction, our BIM models were updated to the latest site progress, facilitating further detailed design management and analysis. An accurate as-built BIM model will also be utilized for facility management.



BIM Modelling in Kai Tak's Future Landmark Project

With one of Nan Fung's latest acquisitions – a large scale mixed-used commercial landmark project at Kai Tak – and the industry moving towards full BIM implementation, Nan Fung has set up a dedicated BIM Management Team to spearhead BIM in all our projects. The BIM model for Kai Tak is used for daily project coordination using a dedicated cloud-based platform for seamless collaboration with our consultant team at different locations and abroad. Our team is also pursuing 6D BIM for Kai Tak, implementing construction sequencing simulation, quantity take-offs and cost control, and facility management.

Employer Category

Merit



Walt Disney Imagineering Asia Limited

華特迪士尼幻想工程
(亞洲)有限公司

Year of Establishment: 2016

Company Profile

Walt Disney Imagineering dreams up, designs and builds all Disney theme parks, attractions, resort hotels, cruise ships and regional entertainment venues worldwide. Walt Disney Imagineering Asia specifically focuses on development at the three Disney-branded properties located in Asia – Hong Kong Disneyland, Shanghai Disney Resort and Tokyo Disney Resort – along with new opportunities throughout the region. Imagineers from Walt Disney Imagineering Asia Limited collaborate regularly with colleagues at the global Walt Disney Imagineering headquarter office in California.

Walt Disney Imagineering Asia is committed to the use of BIM technology in our project delivery. To promote the use of BIM technology, a comprehensive BIM standard was developed and shared with our project partners; including design consultants, contractors, quantity surveyor and vendors. Our BIM standards define the best practice in the use of BIM, modelling methodology, Level of Development (LOD) expectation, parametric data input requirement and a library of building objects. This is a guiding principle for all participants working in collaboration throughout the life-cycle of the project.

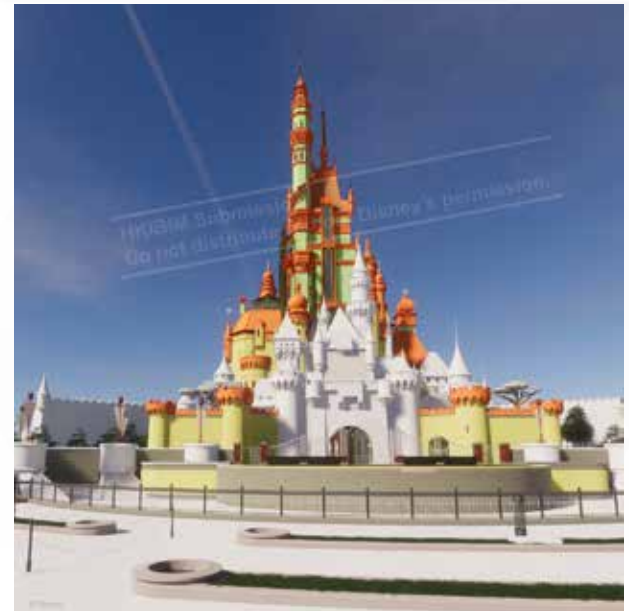
Employer Category



prepared involving the team to define the roles and responsibilities of the project participants, BIM uses & objectives, BIM deliverables, expectation of Level of Development (“LOD”), and BIM process & modelling methodology for this project.

One of the most complex aspects of this project was working with a concept that started with an idea using an architectural language that has an incredible amount of creative embellishment and ornamentation. Building a castle in BIM presented unique challenges insofar as the external appearance needs to appear traditional whilst modern construction techniques needed to be applied behind the surface.

The new design of Hong Kong Disneyland’s Castle is a reflection of the unique personality of the city it lives in. It will feature a seamless blend of styles inspired by different times and cultures, while paying tribute to Disney Princess stories. As the park’s centrepiece, transforming the castle from its current scale to something more magnificent is a unique and challenging undertaking whilst preserving the original Sleeping Beauty Castle. BIM was fundamental on many different layers and utilised for so many different strategies to gel a cohesive vision of the final outcome that all stakeholders could input into and drive the design process. A comprehensive BIM execution plan was



Contractor Category

Grand Award - Hip Hing Construction Co., Ltd

Grand Award - Paul Y. Engineering Group Limited

Merit - Able Engineering Company Limited

Merit - Chun Wo Building Construction Ltd

Merit - CR Construction Company Limited

Contractor Category

Grand Award



協興
HIP HING

新創建集團成員
Member of NWS Holdings

Hip Hing Construction Co., Ltd

協興建築有限公司

Year of Establishment: 1961

Company Profile

Since being established in 1961, Hip Hing Construction Co., Ltd. (Hip Hing) has grown to become one of the leading contractors in Hong Kong. During the past 57 years, Hip Hing has been trusted by our clients to construct many of the landmark buildings which define Hong Kong. Our five decades of experience and expertise in the design, procurement, engineering and construction disciplines enables us to provide comprehensive project delivery services, which have contributed to the development of Hong Kong and have helped to shape a better living environment for the people of Hong Kong.

Hip Hing has been embracing advances in technology to provide professional construction services that meet our clients' needs. For example, Hip Hing has its own internal BIM team to leverage new technological advancements for operation efficiency, Apart from deployment of Building Information Modelling (BIM), we also introduced Virtual Reality (VR), 3D Scanning, 3D printing, 3D holography, Drone for aerial photography/ videography and other applications. Incorporating these advanced applications into project lifecycle enables us to deliver innovative and sustainable solutions.

While we have rich experience and expertise, we also possess a positive working attitude, which is demonstrated by our commitment, proactiveness, integrity, teamwork and professionalism. We call these qualities the "Hip Hing Spirit", the winning behaviours shared by Hip Hing's staff. We are proud to have contributed to Hong Kong's development and we look forward to making contributions on building Hong Kong into a world-class smart city by making use of innovation and technology.

Contractor Category

The Xiqu Centre located at the West Kowloon Cultural District will be opened as the first arts and cultural venue in this district. It houses two auditoriums, a 1,100-seat main theatre and a 280-seat traditional tea house. It also features a weather protected public open space for social events and celebrations. We deploy BIM in this complex project to enhance productivity and efficiency for the novel geometry. Incorporating BIM into construction planning and management allows project team to work out more reliable designs and plans, ensure safety and enhance project quality. Due to its successful project delivery, Xiqu has been awarded the Autodesk HK BIM Awards 2015.



Main Contract for Xiqu Centre for West Kowloon Cultural District



Design and Construction of West Kowloon Government Offices in Yau Ma Tei

As one of Hip Hing's BIM pilot projects, the West Kowloon Government Offices consists of two office towers with two-storey basements for the accommodation of various government departments. On top of internal BIM section, a dedicated BIM team was formed to create value, improve buildability, and deliver multiple benefits for the project. Embracing various technological advancements (e.g. BIM, VR, 3D Scanning etc.), 14 innovations are developed and conducted in the whole lifecycle of the project, from early design stage to operation. The innovative deployment of BIM enables Hip Hing to be the only contractor who won the Autodesk HK BIM Award 2016.

Contractor Category

Grand Award



保華建業
Paul Y. Engineering

Paul Y. Engineering Group Limited

保華建業集團有限公司

Year of Establishment: 1946

Company Profile

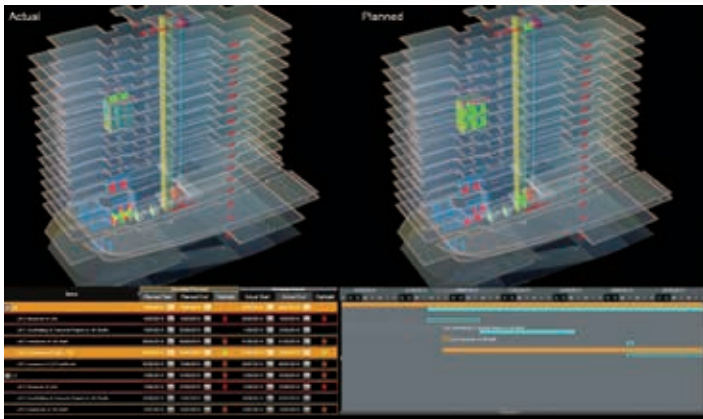
Headquartered in Hong Kong, Paul Y. Engineering Group Limited is dedicated to providing full-fledged engineering and property services, with operations in Hong Kong, Beijing, Shanghai, Hangzhou, Guangzhou, Nantong, Shenzhen, Zhuhai, Macau, Singapore and Malaysia.

For over 70 years, Paul Y. Engineering has been at the heart of some of the most challenging and impactful construction projects that have shaped the iconic skylines of Hong Kong and many other cities. Our projects include commercial and residential buildings, institutional facilities, highways, railways, tunnels, port works, water and sewage treatment facilities etc. We have a solid reputation for delivering projects that meet and exceed client expectations.

We serve our valuable client-base by delivering integrated solutions, from concept to completion and ongoing management, as well as components that best match clients' needs and expectations. Our services include engineering, development and management solutions; concept and planning; land sourcing; asset appreciation; design; construction; fitting out; E&M; commissioning; marketing and facilities management. Our diverse portfolio encompasses the entire range of civil engineering and building services that enable our clients to fulfill their goals.

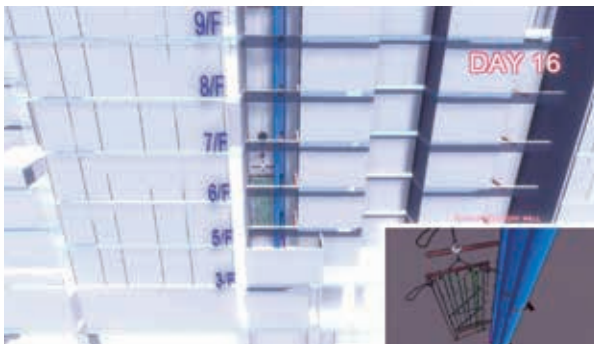
Contractor Category

An A & A Project - Medical, Hong Kong



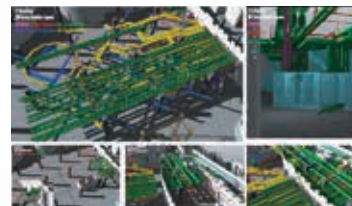
This current project involves alteration and addition works to the existing building for converting into Radiotherapy Centre, medical clinic, offices and ancillary facilities, as well as associated building services upgrading works, etc.

Throughout building life cycle from design, tendering, construction to facility management, BIM technology has been applied to this project leveraging the benefits of BIM to a new level. Managing a massive amount of accurate and up-to-date BIM data provided by various disciplines has been the most challenging job of this BIM project.

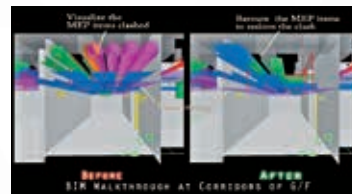


Studio City, Macau

As one of the most diversified entertainment complexes in the world, this project has a gross floor area of 425,000 m².



The architect, design consultants, client and building operators were able to benefit from BIM on collaboration through the frequent BIM coordination workshops which expedited the processes for problem solving and decision making. The challenge of this BIM project was to manage 3D modelling and CSD & CBWD drawing production for such massive and non-typical building design under fast-track construction.



Contractor Category

Merit



Able Engineering Company Limited

安保工程有限公司

Year of Establishment: 1976

Company Profile

Able Engineering Holdings Limited has been listed on Main Board of Hong Kong Stock Exchange since 20 February 2017 (Stock Code: 1627). Our Group was established in 1976 and is a well-established multi-discipline construction corporation in building construction, repair, maintenance, alternation & addition works (RMAA), building conversion, design and build as well as fitting out works. Currently, ABLE has employed about 400 staff comprising managerial, professional, technical and supervisory grade working for various types of projects.

Our Group, including our principal operating subsidiaries, Able Engineering Company Limited and Able Building Construction Limited, is a customer-oriented corporation and has been principally engaged as a main contractor in building construction works. We have developed a sustainable relationship with our clients from both public and private sectors in Hong Kong by providing prompt response and quality services to our customers. Our experienced staff is able to handle and complete tasks on time within the required standards in safety, health, environmental issue consideration and quality control.

With the established reputation and over 40 years of work experience in Hong Kong, ABLE has obtained a remarkable number of awards and achievements from different sectors. These accomplishments have reflected our company's good implementation on various policies such as safety and health, environmental, quality control, energy, integrated management system, social responsibility, and engineering graduate training scheme policies, etc.

Our Group will continue to exceed the expectations of customers, shareholders, employees, suppliers and subcontractors by providing effective, efficient and high quality construction and RMAA works services.

Contractor Category

Client: Hong Kong Housing Authority

Project: Construction of Public Housing Development at Tung Chung Area 39

Project commenced in 2015, construction of 4 domestic blocks & a commercial complex. Use of BIM on coordination, clash analysis, animation, awarded with – Outstanding Contractor Award - Innovative Use of BIM Technology 2017.



Client : Hong Kong Housing Authority

Project : Construction of Public Rental Housing Development at Tung Tau Cottage Area East

First project making use of BIM in 2012 of company, utilized on project planning, 4D programming, coordination & animation, awarded with – Outstanding Domestic Sub-contractors – Innovative Use of BIM Technology 2012, 2013 & 2014.

Contractor Category

Merit



俊和建築有限公司
CHUN WO BUILDING CONSTRUCTION LTD.

Chun Wo Building Construction Ltd.

俊和建築有限公司

Year of Establishment: 1968

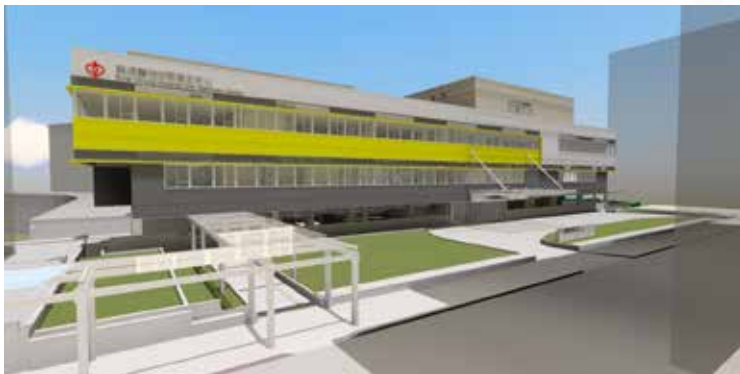
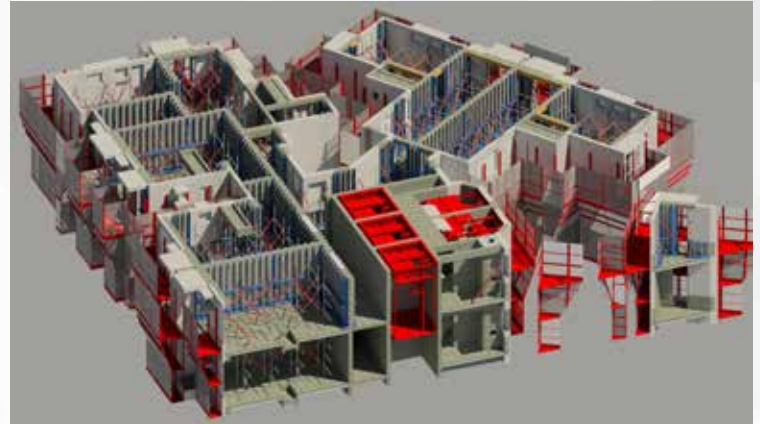
Company Profile

Chun Wo Building Construction Ltd. is a principle subsidiary of Chun Wo Construction Holdings Limited which was founded in 1968 and celebrates the 50th anniversary of its establishment this year. The core business of Chun Wo Building Construction Ltd. focuses on building construction, design & build projects and property development with professional capacity and experience to undertake large scale integrated construction projects. The company is under Group C in the List of Approved Contractors for Public Works held under the Hong Kong Development Bureau's list of Contractors.

Contractor Category

Building Construction

Chun Wo takes advantages of Building Information Modelling (BIM) technology through a series of construction simulation processes including 3D Coordination, spatial analysis, clash detection and analysis, 4D simulation and 5D simulation to figure out main issues for our clients, engineering consultants and different parties in projects. 4D simulation can show site operation arrangement in different perspectives, for instance, tower crane assembly process, material transportation route and temporary working platform location in which aid in noticeable decline in the number of blind area in drawings compared to the past. 5D simulation assists in material take-off such as daily concrete fill quantity and components budget so that the number of quantity evaluation mistake shrunk substantially, hence, enhances project efficiency.



Besides basic applications in BIM, Chun Wo also invested resources in related to the state-of-the-art technology, for example, 3D laser scanning with point cloud, Virtual Reality solution, Common Data Environment, etc. By converting suitable digital data into useful resources in BIM can greatly actuate the planning and decision-making in our project engineering. In addition, by means of Virtual Desktop Infrastructure, our clients and engineering consultants can fully utilize

BIM to make coordination smooth in every detail in projects in order to promote a win-win situation as a result of strengthening the communication between every parties.

Contractor Category

Merit



CR Construction Company Limited

華營建築有限公司

Year of Establishment: 1968

Company Profile

CR Construction Company Limited, (formerly known as China Resources Construction Co. Ltd. from 1999 onwards and T. S. Wong & Co., Ltd. before 1999), was established in 1967 carrying out construction business. CR construction has accumulated considerable experience in the local market and established a reputation of a reliable building contractor for quality and complex projects.

Some of the major projects completed by CR Construction include China Unicom (Hong Kong) Global Center, Chu Hai College of Higher Education at Tuen Mun, Police Headquarter Phase 1 at Wan Chai, several Housing Department projects, Yan Chai Hospital Extension Phase IV, Villa Esplanada Phase 1 to 3 at Tsing Yi, Design & Build Contract for PSPS Development at Tsing King Road, Cyberport Residential Development Phase RIII & RIVa at Telegraph Bay, Hong Kong Science Park Phase 2 Area C, Area A2 and Building 20, Carcass Contract for Hotel Development at Oil Street, the Hong Kong Design Institute and the Re-provisioning of Hong Kong Institute of Vocational Education (Lee Wai Lee), Run Run Shaw Creative Media Centre of City University of Hong Kong, Centralised General Research Biochemical Laboratory Complex for the Chinese University of Hong Kong, Renovation of China Resources Building, Revitalization Scheme – Conversion of Lai Chi Kok Hospital, Kadoorie Hill at Prince Edward Road West, Redevelopment of St. James Settlement, Headquarter etc.

Contractor Category

To cater for the fast track nature of the projects and to enhance the effectiveness of coordination, the technique of BIM was applied to perform pre-view of mock-up areas as well as coordination of architectural, structural and MEP elements for of the building with congested condition; where clashes were detected and spatial analysis were performed.

BIM models were produced by our BIM Team in collaboration with our project team. The successful deployment of BIM applications in construction planning, coordination, clash detection, mock-up preview and 4D construction simulation animation were demonstrated in many of our projects.



Consulting Firm Category

Grand Award - Arup

Grand Award - WSP

Merit - BIM-CAP (HK) Ltd.

Merit - GT Asia Limited (Gehry Technologies), Trimble Inc.

Merit - MTECH Engineering Co.,Ltd.40

Merit - Ronald Lu & Partners

Merit - Syntegrate Limited

Consulting Firm Category

Grand Award

ARUP

Arup

奧雅納工程顧問

Year of Establishment: 1946

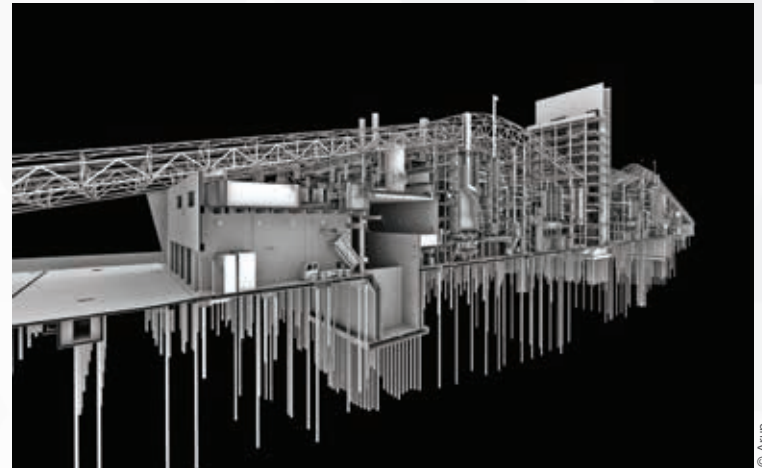
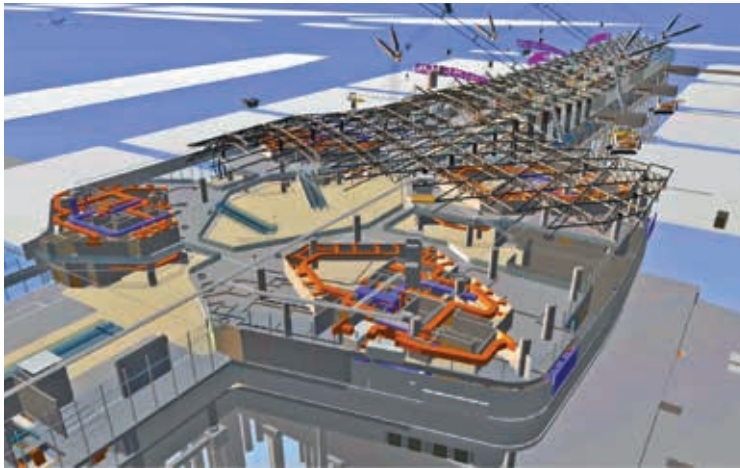
Description / Company Profile

Arup is the creative force at the heart of many of the world's most prominent projects in the built environment and across industry. Working in over 140 countries Arup has more than 14,000 planners, designers, engineers and consultants delivering innovative projects across the world with creativity and passion.

Founded in 1946 with an enduring set of values, our unique trust ownership fosters a distinctive culture and an intellectual independence that encourages collaborative working. This is reflected in everything we do, allowing us to develop meaningful ideas, help shape agendas and deliver results that frequently surpass the expectations of our clients.

We are helping lead the way towards total adoption of standardised Building Information Modelling (BIM). We are constantly innovating in the way we use this combination of technologies to speed up processes, enable widespread collaboration, be more creative in what we can imagine together, and enable an effective operational management.

Consulting Firm Category



The Hong Kong International Airport Midfield Concourse has a total floor area of 105,000m² with ceiling heights comparable to those of Terminal 1. There are 20 aircraft parking stands, 19 of which are bridge-served, including two Code F (A380) stands. Passengers will also be connected to Terminal 1 via an extended automated people mover (APM).

The Mott MacDonald-Arup joint venture worked on the detailed design of this project, providing full multidisciplinary design and construction support. Our scope of services was wide-ranging and includes structure, MEP, airport systems, façade, sustainability, APM, fire, baggage handling system, acoustics, specialist lighting, logistics and project management.

Hong Kong's first large-scale waste-to-energy facility, T-PARK, is one of the largest and most technologically advanced sludge incineration plants of its kind in the world. It integrates features of sludge incineration, power generation, seawater desalination and wastewater treatment into a single complex. T-PARK utilises fluidised bed incineration technology, capable of treating 2,000 tonnes of sludge every day and uses the excess heat energy to generate electricity. At full operational capacity, an excess of 2MW of power is available daily. It also houses an environmental education centre, equipped with facilities such as exhibition galleries, spa, eco-cafe and gardens to introduce to public the sustainable waste management solution.

Consulting Firm Category

Grand Award



WSP

科進

Year of Establishment: 1978

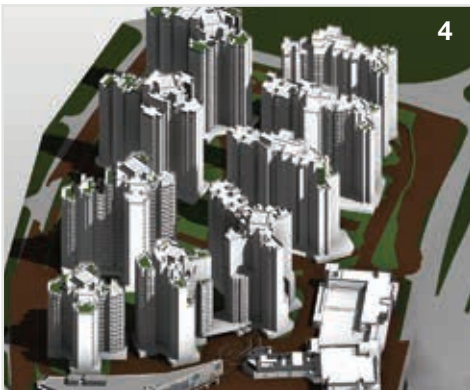
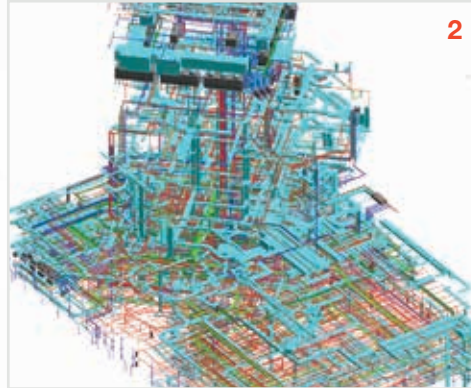
Company Profile

WSP is one of the world's leading professional engineering consulting firms. We bring together approximately 43,000 talented people, based in 550 offices, across 40 countries to engineer projects that will help societies grow for lifetimes to come.

For over a decade, WSP has been at the forefront in the evolution and development of BIM (Building Information Modelling) technology. We utilize BIM technology and processes at different phases of the project life cycle, from sustainable demolition of old facilities, to design, construction and operation phases for our building, industrial, power & energy, transport & infrastructure and even city development projects. We also provide BIM management services to maximize the value of BIM throughout project lifecycle.

At WSP, we utilize BIM to create 3D digital models that enhance risk management processes, facilitate efficient information sharing and decision making amongst the project teams and other stakeholders, and also to realise productivity gains, shorten construction time schedules, and capitalize on significant cost savings over the project lifecycle.

Consulting Firm Category



1. Kerry Centre, Hong Kong
2. Ping An Financial Centre South Tower, Shenzhen, China
3. Tianjin Goldin Finance 117 Tower, China
4. Public Rental Housing Development at Hung Shui Kiu Area 13 Phase 2, Hong Kong

Consulting Firm Category

Merit



BIM-CAP (HK) Ltd.

Year of Establishment: 2016

Company Profile

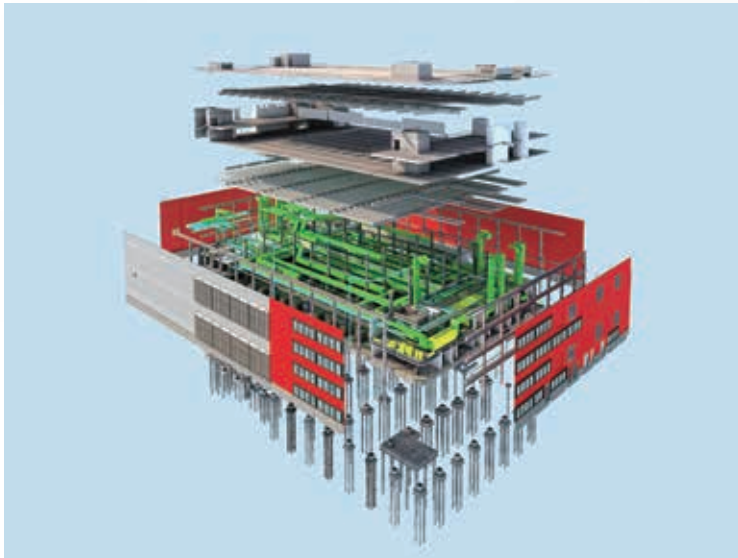
BIMCAP Holdings was founded in 2010 by Marc Schlaghecke, a Dutch entrepreneur, who has been working with BIM on design and engineering projects in Germany since 2010. In 2017, BIMCAP Holdings took over BIM Studio “Fat Sumo” in Hong Kong and Danny Yang, its then owner, joined the company as Partner and Managing Director of Hong Kong branch. Currently employing over 90+ licensed architects and engineers in Budapest and 15 people in Hong Kong to do BIM modelling for architects, construction companies, and engineering companies. BIMCAP closely collaborate with their international partner network “the Ryder Alliance”. You can always communicate in your own language, talk to people who understand you and visit their offices in The Netherlands, Hungary or Hong Kong anytime you want to.

BIMCAP is the best outsourcing company for 3D-modelling work in all design disciplines. We are open, honest, and have been delivering the best BIM quality available for many years! First, we hire the best qualified staff and train them ourselves. Second, all our architects and engineers have extensive experience working in (virtual) design teams in various parts of the world with different time zones, meaning real time collaboration. We are capable of understanding compromise and tight deadlines needing creative thinking. And third? Because we care for your project!

Consulting Firm Category

M+ Museum – WKCD

We were asked to help update all the BIM Models for the 3 main buildings of the HK\$4.7 billion M+ Museum complex in the West Kowloon cultural district. The scope of works included architecture, structure and MEP. To facilitate communication and flow of information, we placed members of staff on-site as well as having teams in both our Hong Kong and Budapest offices. The scope was not only complex but also an aggressive time line was imposed on the delivery of works. We had to work efficiently and smartly to be able to keep up with the imposed programme.



Lego Toy Expansion

In this commission, BIMCAP's scope of works was a complete package encompassing all disciplines including but not limited to design and engineering of architecture, engineering and structure. Lego wanted a BIM Level 3 project to be able to enjoy the benefits of using a common data environment for a variety of uses such as maintenance of all the buildings and facility management. Part of our focus was to make sure that our as-built models were 100% accurate to what had been built. To do this we scanned each phase of the construction and super imposed the PCS on our Revit model to check for errors.

Consulting Firm Category

Merit



GT Asia Limited (Gehry Technologies), Trimble Inc.

**Year of Establishment:
2005, 1978 respectively**

Company Profile

Trimble is a leading provider of advanced location-based solutions that maximize productivity and enhance profitability. The Company integrates its positioning expertise in GPS, laser, optical and inertial technologies with application software, wireless communications, and services to provide complete commercial solutions. Trimble serves a variety of industries including agriculture, engineering and construction, transportation and wireless communications infrastructure. The Company's portfolio of over 700 patents is the basis for the broadest positioning solutions portfolio in the industry. Trimble's Building division covers a wide range of design and estimating software (e.g. Tekla, Vico Office and SketchUp), online collaboration platform (e.g. Trimble Connect), project management platform (e.g. e-Builder and Prolog) and asset management systems such as Manhattan.

Gehry Technologies ("GT") is a wholly owned subsidiary of Trimble inc. GT is an AECO consulting services group providing leading edge solutions to the industry's most challenging projects. Our client include some of the most recognized international architects, engineers, contractors, and owners working across the globe. We offer a different approach to project delivery that challenges the status quo. We leverage some of the world's leading technologies with a world class consulting to solve our clients' unique professional ambitions. Our team includes architects, engineers, builders, computer scientists, data scientists and management consultants.

GT is specialized in providing professional consulting services that bridge digital design to real-world construction. Having worked on a variety project from mixed-use developments, cultural, medical, sports, entertainment, resorts, and hotels, GT has consulted and implemented BIM in all stages of building life-cycle from design, tender, construction and facility management.

Consulting Firm Category



The Opus

Designed by Frank Gehry, the luxury residential units located at the mid-levels of Hong Kong. GT worked on BIM process management and provided design-assist for all disciplines.

Galaxy SOHO

Designed by Zaha Hadid Architects, the project in central Beijing is a retail and entertainment complex. GT worked under the Owner to provide design assist role on all disciplines and to bridge the contractors of all disciplines into a well-defined BIM implementation process. This is the first BIM implementation project for the owner, SOHO China.



Harbin Opera House

Designed by MAD Architects, the opera house embedded within Harbin's wetlands. Gehry Technologies worked on the project to provide facade geometric rationalization, meshing strategies, and panel typologies optimization.

Consulting Firm Category

Merit



MTECH Engineering Co.,Ltd.
Year of Establishment: 1995

Company Profile

Established in 1995, MTECH ENGINEERING CO., LTD. is an information technology orientated company to provide and apply BIM Consulting Services & Digital Construction solutions to building construction industry who would like to adopt technology to improve their competitive advantages for the best business result through our well trained, committed, highly successful people. Our solutions cover the complete lifecycle of construction projects from design and engineering to fabrication, construction quality management and facilities management. We actively create a working environment to support our staff individual development as business professionals and technical experts. We work with each other and with our customers on the basis of open communication, trust, and mutual respect.

MTECH is driving building construction industry to new paradigm. Our strategy is comprised of architecture, know how, services, technology, support and education, enabling our client to take advantage of a one-stop shop, one-stop support opportunity and migrate their technology to a higher level without interrupting their operation efficiency.

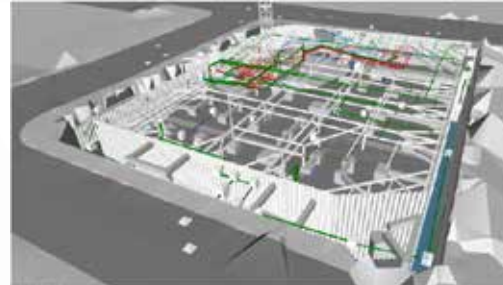
Consulting Firm Category

Our offer:

1. BIM Consulting Services
 - BIM consulting services from As-Design to As-Build BIM modeling
 - Digital construction quality management system
2. Digital Construction Solution
 - Bricscad for BIM modelling
 - Aproplan / CHECKLIST / HELPSITE - mobile Apps for site inspection, quality and facility management
 - Dalux – 3D BIM Viewer, defect management and facility management
 - Bricsys 24/7 – Common Data Environment

Company Award

- 2017 Our CEO - Mr. Stephen AU got the Outstanding PolyU Alumni 2017 Award
- 2017 Hong Kong & China Most Valuable Company for 3D Technology and Consulting Services
- 2015 Win the Autodesk BIM Award 2015 for a Commercial Building project in Tsui Luk Street developed by Sun Hung Kei Properties Ltd.
- 2008 Award 2007 100 China Innovation Enterprise Leader



Consulting Firm Category

Merit



Ronald Lu & Partners

呂元祥建築師事務所

Year of Establishment: 1976

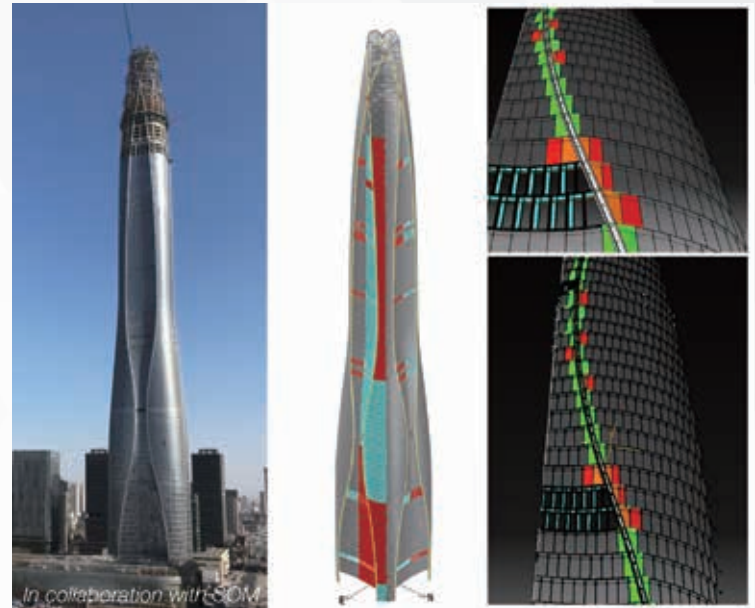
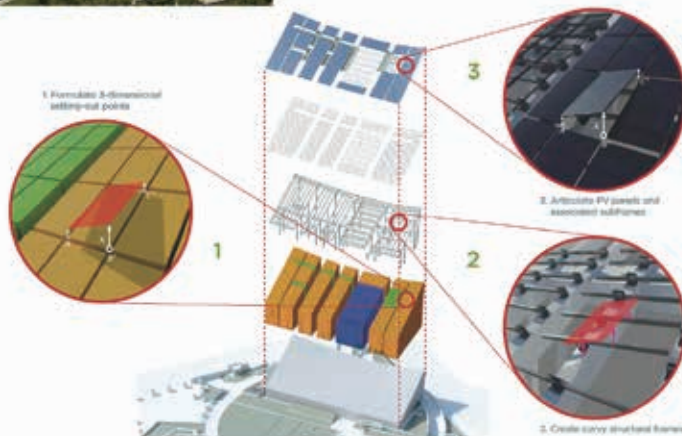
Company Profile

Ronald Lu & Partners (RLP) is a multi-disciplinary architecture and interior design firm, founded in Hong Kong in 1976 and dedicated to the delivery of world-class projects across the globe.

RLP is one of the pioneers of use of BIM technology in the city. As early as 2006, we successfully transformed the use of BIM in architectural projects from being a relatively simple and self-contained process into a real-time collaborative approach with input from consultants located around the world. The well-established BIM team has developed BIM best practices in design authoring, discipline coordination and contract documentation. Since 2015, we have incorporated BIM into our formal workflow and have also nurtured and developed our own BIM-proficient staff to carry out BIM management during the design and construction phases of a project.

CIC Zero Carbon Building, Hong Kong

Faced with the challenge of fast-tracking the design process of Hong Kong's first zero carbon building (ZCB), RLP deployed BIM which, in a timely manner, helped resolve challenges ranging from optimum siting of the building and enhancing landscape aesthetics, to designing and building maximizing natural daylight and minimising energy use. A key feature of ZCB is the curvilinear roof, which could not be created without BIM. Virtual reality proved really useful in showing the roof design for communication with engineers. Coordination with the contractor was also aided by the 3D model, which contributed to the minimum amount of formwork and installation of the roof's array of photovoltaic panels in the optimum orientation.



Tianjin CTF Finance Centre, Tianjin, China

BIM is integral to the success of this massive 530m tall edifice – Tianjin CTF Finance Centre – a comprehensive development comprising retail, offices, a hotel, and serviced apartments. Aside from its tremendous height, the detail-designed and intricate building façade is one of the most significant components contributing to the upcoming icon of the district. The overall façade consists a total of staggering 14,000 components originally, with the geometric design of the façade structure which greatly increased the difficulty during the construction. However, with the help of BIM technology, the building process is speeded up substantially. Furthermore, the surface geometry of façade is divided in 1/8 for repeated modelling, which rationalizes the complexity of geometry and enhances buildability.

Consulting Firm Category

Merit



Syntegrate Limited

先機工程顧問有限公司

Year of Establishment: 2013

Company Profile

Syntegrate is a consultancy focused on the application of technology in the building industry. Their name comes from their approach to projects—they constantly strive to synthesise multiple disciplines and integrate the latest technologies. They utilize the latest software and hardware tools in the area of Building Information Modeling and Management (BIM) to provide specialist services that assist in the planning, design, project management, construction, and operations of our built environment. Therefore, their clients include owners, developers, architects and engineers, project management companies, general contractors, trade subcontractors, specialist fabricators, and building operators.

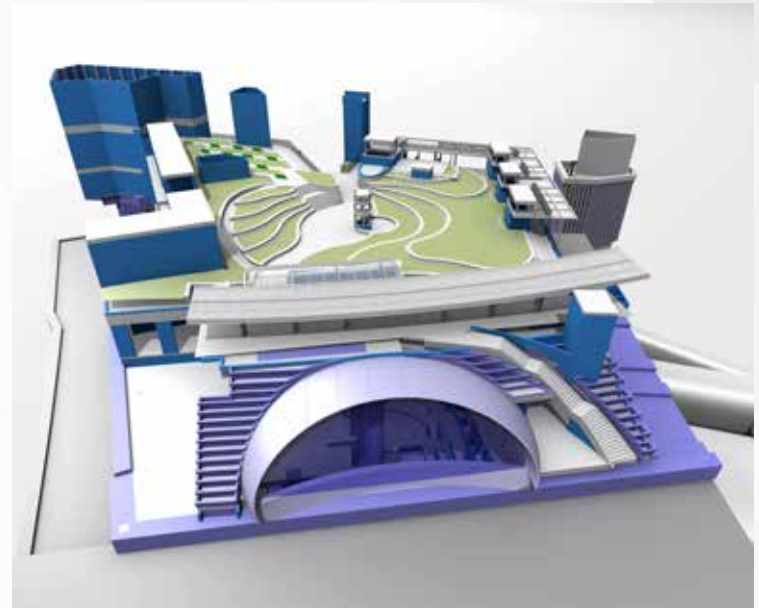
Syntegrate began in late 2013 and in the four short years since their beginning, they have already amassed an impressive portfolio of projects including designs by six Pritzker Prize laureates—Zaha Hadid, Frank Gehry, Toyo Ito, Shigeru Ban, Herzog and DeMeuron, and Fumihiko Maki—no small feat when there are less than thirty Pritzker Prize laureates alive.

Their projects are serviced by teams based in four major cities in Asia: Hong Kong, Tokyo, Shenzhen and Seoul. Since 2015, they also created a division focused on the design and engineering of facade systems. The Syntegrate Facade Design team leverages the power of BIM and combines it with their in-depth knowledge of fabrication processes and material properties to produce optimized solutions for complex building envelopes.

Syntegrate's objective is to leverage technology, in all its current forms, to realize the built environment more appropriately, more efficiently and more sustainably.

Consulting Firm Category

Contract 901 — the expansion of the Admiralty MTR station and the construction of the associated sections of Shatin-Central Line and South Island Line — was a key part of the ongoing improvements to Hong Kong's mass transit railway system and was one of Syntegrate's first major projects. Marked by its complex engineering challenges and fast track delivery schedule, C901, benefitted in a number of ways from the application of BIM. Among them were the optimisation of construction methods through 4D sequencing and spatial simulations, the effective use of as-built data to analyse and precisely coordinate subsequent construction, the improvement of safety measures and work procedures and the close monitoring of quantities to track material costs.



Situated at the southern base of Mount Fuji and designed by the Pritzker Prize laureate, Shigeru Ban, this UNESCO world heritage project features an inverted, wood-lattice cone evoking the image of Japan's most iconic landmark through the building's reflection in the pool that it rests on. Working simultaneously for the general contractor, the interiors subcontractor, and the timber fabricator, Syntegrate utilised BIM to perform pre-construction coordination on all the major works, coordinated the placement of multimedia equipment throughout the complex, internal space of the cone, and facilitated the model-to-manufacturing process for over 7,000 pieces of timber for the lattice cladding.

Training Institution - Academic Institution / Training Centre Category

Merit - Form.Welkin Limited

Merit



Form.Welkin Creative Technology Training

天行凝方創意技能培訓

Year of Establishment: 2009

Company Profile

Form.Welkin Limited is a business arm of Welkin Systems Limited, as a well-known Hong Kong IT Training company since 1990. In 2009, a group of professionals bring their insight of BIM related technology will be the future of construction industry, they form a new stream: Form.Welkin to oversee BIM/CAD/3D related training and services. We use our knowledge in bringing useful, value-rich BIM/CAD/3D contents and experiences to the industry and our clients. Professionally recognized for our technical expertise and creativity, we specialize in BIM training for developers, architectural and building construction firms. Our production service is full ranged to include content creation, consulting, mentoring, and Instructor-led training. Let our experts assist or help mentor your BIM/CAD personnel to make your projects professionally managed. We provide high-quality Autodesk official training courses at our training centers at Central and Mongkok. Both centres are equipped with advanced equipment and have rooms of different capacities to satisfy your training needs. We earn your trust in us by being Autodesk Training Partner since 2003 and Autodesk Best Authorized Training Center in Hong Kong in 2007. The BIM curriculum developed by Form.Welkin has the widest coverage on different BIM skillset such as BIM modeling, customization, analysis and standard compatibility. Further achievements like Autodesk Professional Certifications are available to apply and prepare in our Centre.



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2017
擴充BIM培訓系統, 常設MEP, Structure及Navisworks等課程, 讓學員更全面學習BIM應用

2013
增設課程BIM for Construction Managers, 讓工程管理者更有效融入BIM流程

2012
提供教授Revit的持續進修基金認可課程, 同期亦引入Autodesk專家認證服務。

2008
成為Autodesk Authorised Academic Partner, 推動學界應用Autodesk軟件於專上教育。

2007
榮獲Autodesk頒予香港區最佳認可培訓中心名銜。

2006
開設 Civil 3D 課程, 並獲持續進修基金認可, 是本港最早期的BIM訓練課程

2003
Welkin Systems Limited 成為Autodesk Authorise Training Centre, 提供Autodesk認可培訓服務

About HKIBIM Directory

HKIBIM aims to address the lack of a centralised database for documenting the use of BIM in Hong Kong. Through the HKIBIM Directory, all participating companies which are able to use BIM technology during different stages of a project's life-cycle, i.e., Architect firms, contractors, consultancies, software providers, will be listed. We are still welcome companies to join BIM Directory.

To know more, please visit www.hkibimdirectory.info



BIM Directory List 2018

Employer

Architectural Services Department, HKSARG

Nan Fung Development Ltd

Walt Disney Imagineering Asia Limited

Contractor

Able Engineering Company Limited

ATAL Engineering Group

Chun Wo Building Construction Ltd.

Chun Wo Construction and Engineering

CR Construction Company Limited

Hip Hing Construction Co., Ltd

Paul Y. Engineering Group Limited

About HKIBIM Directory

Consulting firm

Advanced Construction Information Development Ltd	AECOM Asia Company Limited
Architectural Project Unit Limited	Archpolis Limited
Arup	Atkins China Limited
Aurecon Hong Kong Limited	BIM-CAP (HK) Ltd.
Build.IT Limited	China State Construction Science and Technology Limited
GT Asia Limited (Gehry Technologies), Trimble Inc.	isBIM Limited
Leigh & Orange Ltd	MES Services Limited
MTECH Engineering Co.,Ltd.	Ronald Lu & Partners
SYNCH Limited	Syntegrate Limited
Ten Design Group Limited	Vircon Limited
Wong Tung & Partners Limited	WSP

Vendor - Software / Hardware / Service provider

CivilConnect Limited	GRAPHISOFT Asia Limited
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Training institution

Form.Welkin Limited	Hong Kong Institute of Vocational Education (IVE)
Vocational Training Council (VTC)	

BIM organization

Autodesk Industry Advisory Board (AIAB)	HKUST BIM Lab
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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 500 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.



The Hong Kong Institute of Building Information Modelling

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