



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



CONSTRUCTION INDUSTRY COUNCIL  
建造業議會



# CIC GLOBAL CONSTRUCTION SUSTAINABILITY FORUM AND EXHIBITION

## 建造業議會國際可持續建築 論壇暨展覽

20-23.11.2023

20-22.11.2023  
FORUM  
論壇

 THE RITZ-CARLTON,  
HONG KONG  
香港麗思卡爾頓酒店

20-22.11.2023  
EXHIBITION  
展覽

 SKY100  
天際100

23.11.2023  
TECHNICAL TOUR  
技術參觀團

 ICONIC CONSTRUCTION  
SITES  
標誌性建築工地

## Our Sustainability Journey



**A**s the first construction and engineering company in Greater China to receive approval from the Science Based Targets initiative (SBTi) for its near-term science-based emissions reduction targets, we embrace soft power on our sustainability journey, where digital innovation and pioneering people are the drivers shaping our future.



# 可持續發展嘉許計劃

## Environmental, Social & Governance Recognition Scheme

香港建造商會創建於1920年，一直致力帶領行業進步，並推動多項前瞻性計劃。為支持建造業及社會逐步邁向碳中和及可持續發展，商會更撥出 **HK\$1,000萬成立「可持續發展嘉許計劃」**

The Hong Kong Construction Association (HKCA) was established in 1920 aimed at improving the performance of construction industry. We strive for improvements by initiating various forward-looking and insightful projects. HKCA set up the HK\$10 million **“Environmental, Social & Governance (ESG) Recognition Scheme”** to drive our industry and society towards sustainable development.

### 資助 Incentive



#### 1. 參與獎勵 Joining Incentive

參與計劃並使用「可持續發展嘉許計劃平台」，會員公司便能立即獲得：  
Join the scheme and adopt the “ESG Recognition Scheme Platform” to receive:

**HK\$10,000**

#### 2. 創新科技資助

**Innovation & Technology Subsidy**  
參與計劃的會員公司可申請創新科技資助，以添置CSF產品ESG相關的科技設備，最多可獲得：

Members can apply for the innovation & technology subsidy to purchase CSF products or ESG related technology items. The max. amount for each member is:

**HK\$50,000**

### 區塊鏈平台

#### ESG Blockchain Platform

為協助承建商管理ESG資訊，商會與業內專業人士選出合適的重要指標，並納入平台  
To assist contractors to handle ESG information, we engaged industry professionals to incorporate ESG indicators of major standards into the platform



### ESG職FUN獎賞 ESG Build FUN



每個人也能參與推動可持續發展！為鼓勵建造業上下一起參與ESG活動，商會於「ESG職FUN獎賞」App裡送出超過**HK\$100萬**獎品！  
Everyone can contribute! To motivate individuals to take action on ESG, we offer the rewards worth over **HK\$1 million** on the “ESG Build Fun App”!



### 參加活動賺取 ESG Coin 換禮物

#### Join promotion events to earn ESG Coin to redeem prize

ESG Coin 記錄行業每一個ESG行動，大家合力儲起的金幣將有無限可能，助行業及社會逐步邁向碳中和及可持續發展  
ESG Coin records every ESG action taken by us, which has great potential to contribute to carbon neutrality and sustainable development in the future.

到目前為止，已超過100個建築工地參與了ESG計劃，達到了首個里程碑。邁向下一階段，商會將聯同有關機構進行數據分析，以獎勵在計劃中表現優異的地盤。

So far, we have passed the milestone of 100 construction sites joining ESG scheme. Moving towards to the next stage, HKCA will conduct data analysis in conjunction with relevant agencies to reward sites that have outstanding performance in the scheme.

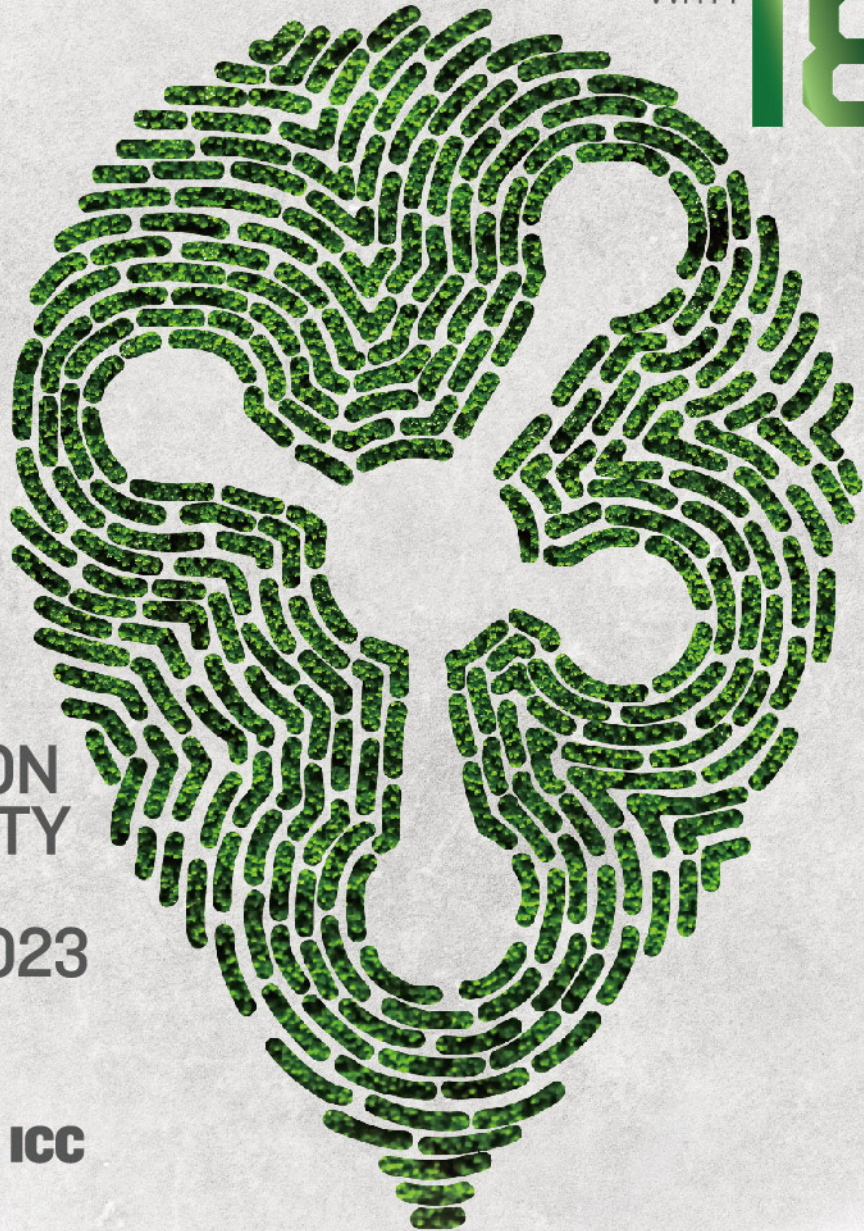
[www.hkca-esg.com](http://www.hkca-esg.com)

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WITH **I&T**



**GLOBAL  
CONSTRUCTION  
SUSTAINABILITY  
FORUM &  
EXHIBITION 2023**

**20-22 NOV 2023  
BOOTH 27, SKY100, ICC**



 **XCMG**  
**SOLID TO SUCCEED**

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# Message from Chairman

## 主席的話



### Ir Thomas HO

#### 何安誠工程師

I am delighted to announce the opening of our inaugural event, the CIC Global Construction Sustainability Forum and Exhibition (GCSFE). This groundbreaking event signifies the construction industry's commitment to sustainable development and its firm determination to actively contribute to achieving carbon neutrality.

The construction industry is confronting the challenges from various aspects, ranging from frequent extreme weather events, workforce shortages, aging issues to construction safety related incidents. It is at the core of CIC's mission to prioritise sustainability, safety, talent development, and innovation, to equip the industry to rise to different challenges

In order to maximise the potential of sustainable construction and unleash its possibilities, the CIC is dedicated to promoting sustainable development through the adoption of Modular Integrated Construction methods, leveraging digital technologies for life cycle assessment management, and implementing advanced robotic construction. In addition, there are more possibilities that we need to explore together as an entire industry. Therefore, the CIC pioneers this event, as the first of its kind in Hong Kong to provide a platform for industry leaders, experts, and stakeholders to gather and exchange ideas on innovations and best practices. The CIC aims to lead the construction industry in achieving breakthroughs amidst these challenges.

As we are approaching the "Golden Era" with the overall construction volume in Hong Kong soaring to HK\$300 billions in the coming decade, I am confident that it is the golden opportunity for sustainable construction to flourish and root in Hong Kong.

As we bid farewell to 2023, I would like to express my heartfelt thanks to all stakeholders of the construction industry for their participation in this momentous occasion. Let us unite our efforts to shape a brighter and more sustainable future for the generations to come.

我欣喜宣布首屆「建造業議會國際可持續建築論壇暨展覽」（GCSFE）開幕。是次活動開創先河，標誌建造業業界對可持續發展的承諾及為實現破中的決心。

當今建造業面臨諸多考驗，包括頻繁的極端天氣、勞動力短缺、工人老齡化問題及涉及建造業安全的事件。作為建造業議會使命核心，議會非常重視可持續發展、安全、人才發展及創新，以協助業界應對不同挑戰，開創建造業新篇章。

為推動及盡展可持續發展的潛力，議會致力落實「組裝合成」建築法的應用，鼓勵透過數碼化技術進行生命周期評估管理以及採用機械人施工。可持續建築範疇廣泛，機遇處，需要整個行業攜手共同探索。因此，議會首辦GCSFE，活動雲集行業領導、專家和持份者交流意見，分享新理念及良好施工方案。議會希望透過是次活動，帶領業界迎接挑戰，實現突破。

建造業即將踏入黃金時代，未來十年本港建造工程量將躍升至3,000億港元，我深信，這為可持續建築發展締造絕佳機會。

2023年即將過去，我們衷心感謝建造業各持份者於過去一年的支持及參與，並參與這個重要時刻。讓我們齊心協力，共同為下一代塑造一個更光明、更可持續的未來。

# Message from Executive Director

## 執行總監的話



### Ir Albert CHENG

#### 鄭定寧工程師

The landscape of sustainability is undergoing a rapid and dynamic transformation. Back in 2018, we debuted the CIC Sustainable Construction Award as one of our flagship awards with a will to encouraging and recognising sustainable practices in the construction sector. Since its inception, we have witnessed tremendous transformation in the industry, from passive compliance to proactive contribution in adopting innovative approaches in our daily operations with sustainability set as one of the priorities.

This mindset change is very encouraging and fundamental to a greener future, which the CIC is very proud to have played a pivotal role in it. With the shift in sentiment and turning tides in place, what we urgently need is innovative solutions, approaches and ideas, as well as partnerships and collaboration across boundaries and disciplines to materialise actions towards our carbon neutrality and sustainability goals.

In light of this, we consider now the best timing for us to level up our CIC Sustainable Construction Award to the CIC Global Construction Sustainability Forum and Exhibition (GCSFE) in anticipation of the mega development projects in the next ten years. In fact, our thoughts align with the strategies laid out in the Climate Action Plan 2050 published by the HKSAR government. We are most grateful that the event has gained full support from the Development Bureau which demonstrates our shared goals to achieve a sustainable built environment for Hong Kong.

I look forward to joining hands with you to identify more sustainable and innovative technologies and products so as to support the shift towards low-carbon, safer, more innovative and sustainable construction. I sincerely hope that you will enjoy this 4-day signature event of the CIC.

可持續發展領域日新月異，我們於2018年首辦「建造業議會可持續建築大獎」，以此旗艦獎項鼓勵及認可建造業界的可持續實踐。大獎成立以來，業界轉變成果有目共睹，同業由被動跟隨變為積極投入，將創新方法融入日常運營，並以可持續發展目標為首。

業界的觀念改變令人鼓舞，為綠色未來奠下基礎，建造業議會（議會）榮幸參與其中，發揮關鍵作用。隨著觀念和環境改變，我們迫切需要創新解決方案、方法和理念，以及跨界和跨學科的合作夥伴關係和合作，付諸行動，以實現碳中和及可持續發展目標。

此時此刻實為良機，擴展「建造業議會可持續建築大獎」的規模至「建造業議會國際可持續建築論壇暨展覽」，以裝備業界，迎接香港未來十年的大型發展計劃。我們的想法與香港特別行政區政府發布的《香港氣候行動藍圖2050》中所制定的策略不謀而合，我們非常感激香港特別行政區政府發展局全力支持是次活動，雙方目標一致，矢志於香港實現可持續建築。

我期待與各位攜手探索更多可持續和創新技術和產品，以支持邁向低碳、更安全、更創新和可持續建築的轉型方向。衷心希望大家可於為期四天的活動有所得著。



# Message from Chairperson of Organising Committee

## 籌備委員會主席的話



### Mr. Ivan FU 符展成先生

Having served as the Chairperson of the Committee on Environment at the CIC since 2019, I am delighted to be part of the journey towards carbon neutrality and sustainable construction with an ever-growing community of like-minded people in the industry. Today, let's celebrate what we have achieved so far and remain steadfast in our efforts and commitment to the sustainability journey of our industry.

Hong Kong is striving vigorously to achieve carbon neutrality before 2050 and to reduce carbon emissions by 50 per cent before 2035 as compared to the 2005 level, with "Energy Saving and Green Buildings" as one of the four strategic areas. Revealed in CIC's recent study on industry emission, in 2019 the Hong Kong construction industry accounted for about 3.7% (viz. 1.49 million metric tons of carbon dioxide equivalent or MtCO<sub>2</sub>e) of Hong Kong's carbon footprint (40.2 MtCO<sub>2</sub>e). The major carbon emissions sources are on-site construction activities, site offices, waste treatment, waste and materials transportation, etc., during the construction and demolition stage. In light of this, in the coming years the CIC will work relentlessly on the three identified decarbonisation directions, namely 1) construction site electrification and clean energy adoption; 2) reduction of construction and demolition waste; and 3) wider adoption of high productivity construction and digitalisation.

Solely decarbonisation for the industry would be a challenging task, not to mention other dimensions such as climate adaptation and resilience, as well as circularity. In this event, we are privileged to have more than 40 prestigious speakers and 40 exhibitors from across different regions of the world presenting at the forums and showcasing innovative technologies to stimulate our thoughts, and foster collaboration to expedite our actions in the sustainability journey.

Last but not least, I would like to express my heartfelt thanks to our co-organiser - the Development Bureau, the Organising Committee of the GCSFE, the Organising Committee, the judges and technical assessors of the Sustainable Construction Award, the Sustainable Construction Charter and Construction Charter pledgees and all the parties involved. Your contribution and participation have made this inaugural event remarkable and unique. Finally, I wish you all a very fruitful and enjoyable Forum and Exhibition.

自2019年起擔任建造業議會（議會）環境專責委員會主席以來，我欣喜很能與業界志同道合的人士並肩，踏上邁向碳中和及可持續建築之旅。今天盛事當前，我們既為過去付出的成果慶祝，亦以此勉勵業界繼續為可持續發展努力。

香港致力於2050年之前實現碳中和，並定下中期目標，力爭在2035年前將碳排放總量從2005年的水平減半。「節能綠建」是四大減碳策略之一。議會近期的研究表示2019年香港建造業約佔香港總碳排放（4020萬公噸二氧化碳排放量）的3.7%（即149萬公噸）。香港建造業的碳排放主要來自建造及拆卸階段的現場施工活動、工地辦公室、廢物處理、運輸廢物和材料等。有鑑於此，未來幾年，議會將在三個減碳方案上努力不懈，1) 工地電氣化和清潔能源的應用；2) 減少拆除與施工廢物；3) 廣泛應用高效生產建築和建造數碼化。

減碳任務對業界極具挑戰，應對氣候變化的能力以及循環經濟等範疇亦然。是次活動中，我們有幸邀請40多位來自世界各地的傑出人士作為論壇的演講嘉賓，並有40間機構參展，展示其創新技術，以刺激思維、促進合作，推進可持續發展。

最後，衷心感謝活動合辦機構——香港特別行政區政府發展局、「國際可持續建築論壇暨展覽」籌備委員會、「建造業議會可持續建築大獎」籌備委員會、技術委員會與評審委員會、《可持續建築約章》和《建造數碼化約章》簽署者以及所有參加者。活動成功全賴您們的貢獻和參與。我祝願大家度過一個愉快而成果豐碩的國際可持續建築論壇暨展覽。

# GCSFE 2023 Organising Committee

## GCSFE 2023 籌備委員會

### Chairperson 主席

Mr. Ivan FU  
符展成先生

### Representation 代表

Construction Industry Council  
建造業議會

### Members 成員

Prof. Jack CHENG  
鄭展鵬教授

Dr. CHEUNG Tin-cheung  
張天祥博士

Ar. Donald CHOI  
蔡宏興建築師

Ms. Lotus CHOI  
蔡展翔女士

Mr. Alex HO  
何焯光先生

Mr. HSU Hoi-shan  
徐海山先生

Sr Eddie LAM  
林健榮測量師

Ir Ricky LEUNG  
梁永基工程師

Mr. Joseph LO  
羅國權先生

Mr. Kevin O'BRIEN  
歐嘉榮先生

Ir Dr. Derrick PANG  
彭一邦博士工程師

Ir Rocky POON  
潘樂祺工程師

### Representation 代表

Construction Industry Council  
建造業議會

Hong Kong Green Building Council  
香港綠色建築議會

Chinachem Group  
華懋集團

Construction Industry Council  
建造業議會

Construction Industry Council  
建造業議會

Beijing-Hong Kong Academic Exchange Centre  
京港學術交流中心

Construction Industry Council  
建造業議會

Airport Authority Hong Kong  
香港機場管理局

Development Bureau, HKSAR Government  
香港特別行政區政府發展局

Business Environment Council  
商界環保協會

Construction Industry Council  
建造業議會

Construction Industry Council  
建造業議會

\* In alphabetical order by surname 按姓氏字母排列

# Introduction of GCSFE 2023

## GCSFE 2023 簡介

The Global Construction Sustainability Forum and Exhibition 2023 (GCSFE 2023) is the first-of-its-kind construction sustainability mega event in Hong Kong, with an aim to address sustainable development in the construction industry.

The 4-day GCSFE 2023 features exhibitions, forums, award ceremonies, charter signing ceremonies, and technical tours.

These activities will connect various aspects of industry transformation, promote innovation in digitalisation, cross-border and cross-sector collaboration, and development in the ESG (Environmental, Social, and Governance) field.

2023 年建造業議會國際可持續建築論壇暨展覽 (GCSFE 2023) 是香港首個針對建造業可持續發展的大型活動。

為期 4 日的 GCSFE 2023 包括展覽、論壇、頒獎典禮、約章簽署儀式及技術參觀團。

活動涵蓋各個範疇，包括促進數碼化創新、跨境跨界合作以及 ESG (環境、社會和管治) 領域的發展。



## KEY FEATURES

### 活動重點



**40+**

Renowned Speakers  
知名演講者



**3,000+**

Anticipated Visits  
預期參觀人次



**40**

Worldwide Exhibitors  
全球參展商



**8**

Themed Forums  
場主題論壇



**7**

Themed Exhibition Zones  
個主題展區



**4+**

Technical Tours  
技術參觀團

# Sponsors

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of the People's Republic of China



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DAY 1 第一日 | 20.11

**GRAND OPENING**  
**CHARTER SIGNING CEREMONY AND AWARD CEREMONY**  
開幕典禮、約章簽署儀式及大獎典禮

09:00 - 09:10



**Welcome Remarks**

**Ir Thomas HO**

Chairman, Construction Industry Council

歡迎辭 – 何安誠工程師

建造業議會主席

09:10 - 09:20



**Opening Address**

**Ms. Bernadette LINN**

Secretary for Development, Government of the Hong Kong Special Administrative Region

開幕辭 – 甯漢豪女士

香港特別行政區政府發展局局長

09:25 - 09:30



**Sustainable Construction Charter Signing Ceremony**

可持續建築約章簽署儀式

09:30 - 12:00



**CIC Sustainable Construction Award 2023 Presentation Ceremony**

建造業議會可持續建築大獎2023頒獎典禮

**BOOKLET**  
頒獎典禮場刊



**Opening Address**

**Ir Ricky LAU**

Permanent Secretary for Development (Works), Government of the Hong Kong Special Administrative Region

開幕辭 – 劉俊傑工程師

香港特別行政區政府發展局常任秘書長（工務）



**Welcome Remarks**

**Mr. Ivan FU**

Chairperson, Committee on Environment of Construction Industry Council

歡迎辭 – 符展成先生

建造業議會環境專責委員會主席

**GLOBAL CONSTRUCTION SUSTAINABILITY FORUM (ENVIRONMENTAL) -  
HIGH PRODUCTIVITY AND SUSTAINABLE CONSTRUCTION**  
國際可持續建築論壇（環境） - 高效及可持續建築

14:00 - 14:05



**Welcome Remarks**  
**Ir Thomas HO**

Chairman, Construction Industry Council

**歡迎辭 – 何安誠工程師**  
建造業議會主席

14:05 - 14:15



**Speech**  
**Ms. Winnie HO**

Secretary for Housing, Government of the Hong Kong Special Administrative Region

**致辭 – 何永賢女士**  
香港特別行政區政府房屋局局長

14:20 - 14:40



**Keynote Presentation: Uplifting Productivity for a more Sustainable Construction Industry**  
**Ir John KWONG**

Head of Project Strategy and Governance Office, Development Bureau,  
Government of the Hong Kong Special Administrative Region

**主題演講：提速增效 – 構建更可持續的建造業 – 鄭家陞工程師**  
香港特別行政區政府發展局項目策略及管控處處長

14:40 - 15:00



**High Productivity and Sustainable Construction of I-PARK1**  
**Dr. Samuel CHUI**

Director of Environmental Protection, Government of the Hong Kong Special Administrative Region

**應用於 I-PARK1 的高效及可持續建築 – 徐浩光博士**  
香港特別行政區政府環境保護署署長

15:00 - 15:20



**Utilising MiC and MiMEP for Sustainable Construction**  
**Ar. Donald CHOI**

Executive Director and Chief Executive Officer, Chinachem Group

**利用「組裝合成」建築法 (MiC) 及機電裝備合成法 (MiMEP) 實現可持續建築 – 蔡宏興建築師**  
華懋集團執行董事兼行政總裁

15:20 - 15:40



**MiC Enhanced High-productivity and Sustainable Construction**  
**Prof. Wei PAN**

Head, Department of Civil Engineering, The University of Hong Kong  
Executive Director, Centre for Innovation in Construction and Infrastructure Development

**以組合建造實現高效及可持續建造 – 潘巍教授**  
香港大學土木工程系系主任  
建造及基建創新研究中心執行總監

15:45 - 16:05



**Development of Purpose-built Elderly Flats with MiC for Jat Min Chuen, Shatin**  
**Ms. Katherine CHU**

General Manager (Project Management), Hong Kong Housing Society

**沙田乙明邨「組裝合成」長者房屋項目 – 朱嘉蓮女士**  
香港房屋協會總經理（項目管理）

16:05 - 16:25



**“Zero Waste City” Development**  
**Prof. CHEN Yong**

Academician of Chinese Academy of Engineering  
Chairman of Guangdong Provincial Association for Science and Technology

**“無廢社會”建設 – 陳勇院士**  
中國工程院院士及廣東省科學技術協會主席

16:25 - 16:45



**Key Issues and Technology in Sustainable Urban Development**  
**Prof. Li Xiangdong**

Director, Research Institute for Sustainable Urban Development  
Dean & Chair Professor of Environmental Science and Technology, Hong Kong Polytechnic University

**可持續城市發展的關鍵問題和技術方案 – 李向東教授**  
可持續城市發展研究院院長  
香港理工大學建設及環境學院院長及環境科學與科技講座教授

16:45 - 16:55



**Catalysing Green Tech for Low Carbon City Transition**  
**Mr. Barry KWONG**

Director of Sustainability, Hong Kong Science and Technology Parks Corporation

**綠色科技驅動低碳城市轉型 – 鄭文昌先生**  
香港科技園公司可持續發展總監

16:55 - 17:00



**Closing Remarks**  
**Ir Albert CHENG**

Executive Director, Construction Industry Council

**閉幕辭 – 鄭定寧工程師**  
建造業議會執行總監

**AWARD CEREMONIES AND CHARTER SIGNING CEREMONY**  
**大獎典禮及約章簽署儀式**

09:00 - 10:15



**Welcome Remarks**  
**Prof. Jack CHENG**

Chairperson of Committee on Building Information Modelling and Construction Digitalisation, Construction Industry Council  
**歡迎辭 – 鄭展鵬教授**  
 建造業議會建築信息模擬及建造數碼化專責委員會主席



**Opening Address**  
**Ir Ricky LAU**

Permanent Secretary for Development (Works), Government of the Hong Kong Special Administrative Region  
**開幕辭 – 劉俊傑工程師**  
 香港特別行政區政府發展局常任秘書長（工務）



**Construction Digitalisation Charter Signing Ceremony**  
**建造數碼化約章簽署儀式**



**Hong Kong Construction Common Data Environment Award 2023 Presentation Ceremony**  
**2023香港建造業CDE – 綜合數碼共用平台大獎頒獎典禮**



**CIC Construction Digitalisation Award 2024 Launching Ceremony**  
**2024建造業議會數碼化大獎啟動禮**

**GLOBAL CONSTRUCTION SUSTAINABILITY FORUM (ENVIRONMENTAL) -**  
**CONSTRUCTION DIGITALISATION**  
**國際可持續建築論壇（環境）- 建造數碼化**

10:20 - 10:40



**Digital Transformation for Sustainable Development – The Journey of Civil Engineering and Development Department**  
**Mr. Michael FONG**

Director of Civil Engineering and Development, Government of the Hong Kong Special Administrative Region  
**通過數位轉型實現可持續發展 — 土木工程拓展署的歷程 – 方學誠先生**  
 香港特別行政區政府土木工程拓展署署長

10:40 - 11:00



**Smart, Lean and Green-how Data Underpins Innovation in Built Environment Performance**  
**Mr. Steve LEWIS**

Partner & Head of Infrastructure, Major Programmes and Construction Advisory, Ernst & Young Transactions Limited Hong Kong

11:00 - 11:20



**A Systems-based View of the Built Environment to Deliver Better Outcomes for People and Nature**  
**Mr. Mark ENZER OBE FEng**

Strategic Advisor, Mott MacDonald

11:20 - 11:40



**TRUST: From Crisis to Sustainability... A Digital Construction Story**  
**Mr. Michael CAMERLENGO**

Partner - Head of Government Asia Pacific, KPMG

11:40 - 12:00



**Digitally Enabled Carbon Reduction & Management for Construction**  
**Mr. Kevin O'BRIEN**

Chairman, Business Environment Council  
**建造業數碼化減碳及管理 – 歐嘉榮先生**  
 商界環保協會主席

**GLOBAL CONSTRUCTION SUSTAINABILITY FORUM (GOVERNANCE) - GREEN FINANCE**  
**國際可持續建築論壇（管治）- 綠色金融**

- 14:00 - 14:05**
- Welcome Remarks**  
**Ir Rocky POON**  
 Chairperson, Committee on Construction Business Development and Mainland Liaison, Construction Industry Council  
**歡迎辭 – 潘樂祺工程師**  
 建造業營商及內地聯絡專責委員會主席
- 14:05 - 14:10**
- Opening Address**  
**Mr. Christopher HUI**  
 Secretary for Financial Services and the Treasury, Government of the Hong Kong Special Administrative Region  
**開幕辭 – 許正宇先生**  
 香港特別行政區政府財經事務及庫務局局長
- 14:15 - 14:35**
- Green & Sustainable Finance Market and Products Overview**  
**Ms. Tracy Wong HARRIS**  
 Executive Vice President, Hong Kong Green Finance Association  
 Managing Director, Head of Sustainable Finance Asia, Standard Chartered  
**綠色與可持續金融市場和產品概覽 – 黃翠芝女士**  
 香港綠色金融協會常務副會長  
 渣打銀行可持續金融亞洲區主管董事總經理
- 14:35 - 14:55**
- Taxonomies and Regulatory Development in the Sustainable Finance Market**  
**Ms. Carmen TSANG**  
 Head of Sustainable Investment Banking, Credit Agricole Corporate & Investment Bank  
**可持續金融分類方案的市場發展 – 曾嘉汶女士**  
 法國東方匯理銀行可持續銀行業務大中華區主管
- 14:55 - 15:15**
- Financing a Resilient Built Environment - Opportunities and Challenges for All**  
**Mr. Jonathan DREW**  
 Head of Global Banking Sustainability, Asia-Pacific, HSBC  
**技術分享 – 朱雋賢先生**  
 香港上海滙豐銀行環球銀行可持續發展業務亞太區主管

**GLOBAL CONSTRUCTION SUSTAINABILITY FORUM (GOVERNANCE) - GBA CONSTRUCTION**  
**國際可持續建築論壇（管治）- 粵港澳大灣區建築**

- 15:15 - 15:35**
- State of the Art Development of Urban Rail Transit in Mainland China**  
**Prof. CHEN XiangshenAg**  
 Academician of CAE  
 Dean, College of Civil and Transportation Engineering, Shenzhen University  
**中國內地城市軌道交通發展現狀 – 陳湘生院士**  
 中國工程院院士  
 深圳大學土木交通工程學院院長
- 15:35 - 15:55**
- Innovate Construction Methods, Optimise Industrial Structure, and Lead the Sustainable Development of the Construction Industry**  
**Dr. LIANG Huqing**  
 Chairman, Guangzhou Municipal Construction Group Co. Ltd.  
 Foreign Member, the Russian Academy of Engineering  
**創新建造方式 優化產業結構 引領建築業可持續發展 – 梁湖清博士**  
 廣州市建築集團有限公司董事長  
 俄羅斯工程學院外籍院士
- 16:00 - 16:20**
- The Power of Growth - Green Building Exploration from Shenzhen**  
**Ms. YE Qing**  
 Chairman, Shenzhen Institute of Building Research Co., Ltd.  
**生長的力量 – 深圳綠色建築的實踐探索 – 葉青女士**  
 深圳市建築科學研究院股份有限公司董事長
- 16:20 - 16:40**
- Green & Low-carbon Design Goes First**  
**Mr. LI Jin**  
 Vice President, Guangzhou Design Institute Group Co., Ltd.  
**綠色低碳設計先行 – 李觀先生**  
 廣州市設計院集團有限公司副院長
- 16:40 - 17:00**
- Building Energy and Carbon Emission Analysis in GBA Cities**  
**Prof. FENG Wei**  
 Associate Professor (Tenured), Shenzhen Institute of Advanced Technology  
**大灣區城市建築能耗與碳排放核算 – 馮威教授**  
 深圳理工大學副教授（長聘）
- 17:00 - 17:10**
- XCMG Carbon Neutrality Strategy**  
**Mr. LUO Shenghui**  
 Deputy General Manager, General Manager of Southeast Asia Region, Xuzhou Construction Machinery Group Imp.& Exp.Co.,Ltd  
**世界徐工綠色革命 – 羅勝輝先生**  
 徐州工程機械集團進出口有限公司副總經理，東南亞大區總經理









**GLOBAL CONSTRUCTION SUSTAINABILITY FORUM (ENVIRONMENTAL) - CARBON NEUTRALITY**  
**國際可持續建築論壇（環境）- 碳中和**

09:00 - 09:05	 <p><b>Welcome Remarks</b>  <b>Mr. Ivan FU</b>                  Chairperson, Committee on Environment, Construction Industry Council  <b>歡迎辭 – 符展成先生</b>                  建造業議會環境專責委員會主席</p>
09:05 - 09:10	 <p><b>Opening Address</b>  <b>Dr. LAM Ching-choi</b>                  Chairman, Council for Carbon Neutrality and Sustainable Development  <b>開幕辭 – 林正財醫生</b>                  碳中和及可持續發展委員會主席</p>
09:15 - 09:35	 <p><b>C0-create Green Momentum</b>  <b>Mr. Edward TSE</b>                  Director of Architectural Services, Government of the Hong Kong Special Administrative Region  <b>築發綠建新動力 – 謝昌和先生</b>                  香港特別行政區政府建築署署長</p>
09:35 - 09:55	 <p><b>Effective Use of High Strength S690 &amp; S960 Steel in Construction - Efficiency for Sustainability</b>  <b>Ir Prof. CHUNG Kwok-fai</b>                  Director, Chinese National Engineering Research Centre for Steel Construction (Hong Kong Branch), The Hong Kong Polytechnic University  <b>高強度 S690 &amp; S960 鋼在建築上的有效使用 – 效率促進永續發展 – 鍾國輝教授</b>                  香港理工大學國家鋼結構工程技術研究中心香港分中心主任</p>
09:55 - 10:15	 <p><b>The Transition towards a Carbon Neutral Built Environment: Experiences from The Netherlands</b>  <b>Mr. Robert DIJKSTERHUIS</b>                  Special Envoy on Sustainable Building, Ministry of the Interior and Kingdom Relations of the Netherlands</p>

**GLOBAL CONSTRUCTION SUSTAINABILITY FORUM (SOCIAL) - SAFETY**  
**國際可持續建築論壇（社會）- 安全**

10:30 - 10:35	 <p><b>Opening Address</b>  <b>Mr. Terence LAM</b>                  Principal Assistant Secretary (Works), Government of the Hong Kong Special Administrative Region  <b>開幕辭 – 林達明先生</b>                  香港特別行政區政府發展局首席助理秘書長（工務）</p>
10:40 - 11:05	 <p><b>Digital Engineering Enabling Collaboration Aiding Design Safety and a Positive Behaviour on Our Construction Projects</b>  <b>Mr. Stephen COPPIN</b>                  Strategic Technical Director, SJU Risk Management Solutions Ltd.</p>
11:05 - 11:30	 <p><b>Safety Leadership in Creating Safety and Health Workplace</b>  <b>Mr. SEAH Yeow-teck</b>                  General Manager, Keller Foundations (S E Asia) Pte Ltd</p>
11:30 - 11:55	 <p><b>Building a Safer Future: Embracing Adaptivity in Construction Safety and Health Management</b>  <b>Dr. GOH Yang-miang</b>                  Associate Professor, College of Design and Engineering, National University of Singapore</p>
11:55 - 12:00	 <p><b>Closing Remarks</b>  <b>Ir Dr. Derrick PANG</b>                  Chairperson, Committee on Construction Safety, Construction Industry Council  <b>閉幕辭 – 彭一邦博士工程師</b>                  建造業議會建造安全專責委員會主席</p>

**GLOBAL CONSTRUCTION SUSTAINABILITY FORUM (GOVERNANCE) - CORPORATE ESG**  
**國際可持續建築論壇（管治）- 企業ESG**

- |               |   |
|---------------|---|
| 14:00 - 14:05 |  <p><b>Opening Address</b><br/> <b>Mr. Ivan FU</b><br/>                 Chairperson, Committee on Environment, Construction Industry Council<br/>                 開幕辭 – 符展成先生<br/>                 建造業議會環境專責委員會主席</p>                            |
| 14:10 - 14:30 |  <p><b>On the Unsustainability of ChatGPT: Impact of Large Language Models on the Sustainable Development Goals</b><br/> <b>Dr. Serge STINCKWICH</b><br/>                 Head of Research, The United Nations University Institute in Macau</p> |
| 14:30 - 14:50 |  <p><b>What Are the Relevant ESG Risks and Opportunities in the Construction and Property Sector?</b><br/> <b>Mr. Jakub MALICH</b><br/>                 Vice President, ESG &amp; Climate Research, MSCI</p>                                     |
| 14:50 - 15:10 |  <p><b>Operationalizing ESG Through Integration and Collaboration</b><br/> <b>Dr. Robin KENNISH</b><br/>                 Director, Corporate Sustainability and Climate Change Services, ERM Hong Kong, Ltd</p>                                  |
| 15:10 - 15:30 |  <p><b>1.5°C Science-based Target-setting in the Buildings Sector</b><br/> <b>Ms. Ayla DINCAY</b><br/>                 Technical Buildings Manager, Science Based Targets initiative</p>  |
| 15:30 - 15:40 |  <p><b>Promoting Sustainable Development in Hong Kong Construction Industry</b><br/> <b>Mr. Rex WONG</b><br/>                 CEO, Kum Shing Group<br/>                 推動香港建造業的可持續發展 – 王紹恆先生<br/>                 金城營造集團行政總裁</p>              |

**GLOBAL CONSTRUCTION SUSTAINABILITY FORUM (SOCIAL) - TALENT DEVELOPMENT**  
**國際可持續建築論壇（社會）- 人才發展**

- |               |   |
|---------------|---|
| 15:45 - 16:05 |  <p><b>On Attracting Talents for Construction Sustainability</b><br/> <b>Mr. Lawrence HUNG</b><br/>                 President, Hong Kong Institute of Human Resource Management<br/>                 引領人才 • 共築建造業未來 – 孔子人先生<br/>                 香港人力資源管理學會會長</p>  |
| 16:05 - 16:25 |  <p><b>Building Success: Developing and Retaining a Multigenerational Workforce in Construction</b><br/> <b>Mr. Matt LYON</b><br/>                 Global Partner and Head of Consulting, Arcadia Consulting Limited</p>   |
| 16:25 - 16:45 |  <p><b>Talent Acquisition and Retention in Construction Industry for Sustainability</b><br/> <b>Dr. Felix YIP</b><br/>                 Associate Director, Centre for Human Resources Strategy and Development, School of Business, Hong Kong Baptist University<br/>                 建造業可持續發展：招才及留才 - 葉偉光博士<br/>                 香港浸會大學工商管理學院人力資源策略及發展研究中心副中心主任（諮詢服務）</p> |
| 16:58 - 17:03 |  <p><b>Closing Remarks</b><br/> <b>Sr Eddie LAM</b><br/>                 Chairperson, Construction Industry Training Board, Construction Industry Council<br/>                 閉幕辭 – 林健榮測量師<br/>                 建造業議會建造業訓練委員會主席</p>   |

# Exhibitors

## 參展商

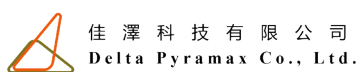


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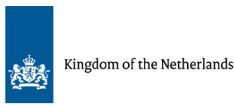
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\* In alphabetical order by company name 按公司名稱字母順序排列

# Supporting Organisations

## 支持機構



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\* In alphabetical order within categories 按機構類別及字母順序排列

# Supporting Organisations 支持機構

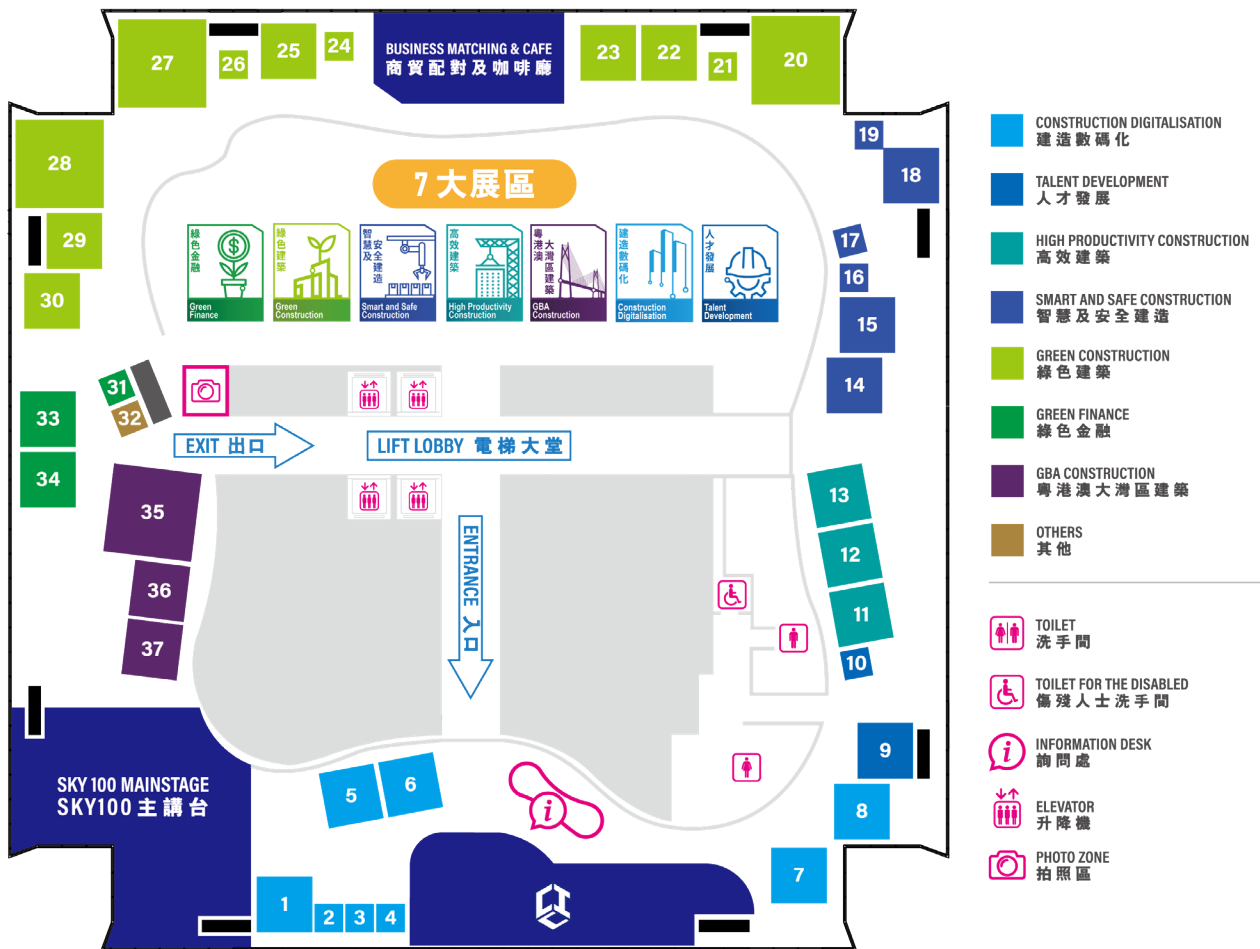


\* In alphabetical order within categories 按機構類別及字母順序排列

# Exhibition Floor Plan

## 展覽場地平面圖

VIEW MAINSTAGE PROGRAMME  
查看主講台節目



## EXHIBITOR LIST

### 參展商名單

- |   |   |  |  |
|---|---|--|--|
| 1 SPATIAL TECHNOLOGY LIMITED<br>群鉅科技有限公司            | 11 ROBOCORE TECHNOLOGY LIMITED<br>博歌科技有限公司              | 21 SOUTH STAR GLASS LIMITED<br>南星玻璃有限公司  | 29 CLOSED LOOP SUSTAINABLE SOLUTIONS LIMITED                                   |
| 2 REALITY CAPTURE HONG KONG LIMITED<br>奔悅科技有限公司     | 12 THE UNIVERSITY OF HONG KONG iLAB                     | 22 HONG KONG CYBERPORT MANAGEMENT COMPANY LIMITED<br>香港數碼港管理有限公司   | 30 EPROADVANCE TECHNOLOGY LIMITED<br>盈保先進科技有限公司                                |
| 3 VARADISE LIMITED                                  | 13 SCHINDLER LIFTS (HONG KONG) LIMITED<br>迅達升降機(香港)有限公司 | 23 AP POWER LIMITED<br>亞積邦電力有限公司   | 31 ZURICH INSURANCE (HONG KONG)<br>蘇黎世保險(香港)                                   |
| 4 MATTEX ASIA DEVELOPMENT LIMITED<br>材迅亞洲發展集團有限公司   | 14 HILTI (HONG KONG) LTD<br>喜利得(香港)有限公司                 | 24 ZILVER LIMITED<br>兆屋有限公司  | 32 INVESTHK<br>香港投資推廣署   |
| 5 ATAL ENGINEERING GROUP<br>安樂工程集團                  | 15 SANFIELD (MANAGEMENT) LTD.<br>新輝(建築管理)有限公司           | 25 KINFORM TIMBER COMPANY LIMITED<br>健豐木行有限公司  | 33 RIVER SQUARE COMPANY LIMITED  |
| 6 ARUP<br>奧雅納                                       | 16 DELTA PYRAMAX COMPANY LIMITED<br>佳澤科技有限公司            | 26 FORMWORK IO LIMITED   | 34 THE ESG CONSORTIUM (ESGC)<br>環境社會治理公會                                       |
| 7 AUTODESK FAR EAST LTD                             | 17 REC GREEN TECHNOLOGIES CO. LTD.<br>盈電環保科技有限公司        | 27 HONG KONG SCIENCE AND TECHNOLOGY PARKS CORPORATION<br>香港科技園公司   | 35 XCMG CONSTRUCTION MACHINERY CO., LTD<br>徐工集團工程機械股份有限公司                      |
| 8 ESRI CHINA (HONG KONG) LIMITED<br>Esri 中國(香港)有限公司 | 18 BEEINVENTOR LIMITED<br>點子建有限公司                       | • BSF INNOVATION LIMITED<br>• CARNOT INNOVATIONS LIMITED<br>• HK LEADUS INNOVATION CO. LIMITED<br>香港理大創新股份有限公司 | 36 CHINA STATE HAILONG CONSTRUCTION TECHNOLOGY COMPANY LIMITED<br>中國海龍建築科技有限公司 |
| 9 VTM DIGITAL LIMITED<br>米泰域數碼有限公司                  | 19 GEOSYS HONG KONG LIMITED<br>香港吉奧系統有限公司               | 28 HONG KONG CONSTRUCTION ASSOCIATION<br>香港建造商會  | 37 TURBO FLY MACHINE ENGINEERING LIMITED<br>騰飛機械設備有限公司                         |
| 10 ARCADIA CONSULTING                               | 20 GAMMON CONSTRUCTION LIMITED<br>金門建築有限公司              |  |  |

# SUSTAINABLE CONSTRUCTION CHARTER

## 可持續建築約章

(AD+RG) Architecture Design and Research Group Limited

AECOM

Airport Authority Hong Kong

Alliance Construction Materials Limited

Allied Sustainability and Environmental Consultants Group Limited

Amasia International Architects Limited

Arcadis Consultancy Hong Kong Limited

Arthur C. S. Kwok Architects & Associates Limited

Association of Landscape Consultants

Association of Consultant Quantity Surveyors

AtkinsRéalis

Bachy Soletanche Group Limited

BEAM Society Limited

Bestkind International Engineering Limited

Binnies Hong Kong Limited

Bordon Construction Company Limited

Bouygues Travaux Publics (Hong Kong Branch)

Build King (ZENS) Engineering Limited

Build King Civil Engineering Limited

Build King Construction Limited

Build King Interior & Construction Limited

Chartered Institute of Architectural Technologists

Chevalier International Holdings Limited

China Harbour Engineering Company Limited

China Road and Bridge Corporation

China State Hailong Construction Technology Company Limited

China State Mechanical & Electrical Engineering Limited

Chun Wo Construction Holdings Company Limited

Chun Yip Construction Company Limited

Citihero Construction Company Limited

CLP Power Hong Kong Limited

CR Construction Company Limited

Cundall Hong Kong Limited

Dao Kee Construction Company Limited

Dragages Hong Kong Limited

DrilTech Ground Engineering Limited

E Man Construction Company Limited

Earthasia limited

Engineers Registration Board

FSE Engineering Group Limited

Gammon Construction Limited

GHM Greater Bay Area Institute of Urban Architecture (HK) Tecture (Hong Kong)

Ginca Construction Company Limited

Gold Wilson International Limited

Granbo Construction Company Limited

Grandic Construction Company Limited

Hang Lung Properties Limited

Hanison Construction Holdings Limited

Henderson Land Development Company Limited

Heng Lai Construction Company Limited

Heng Shung Construction Company Limited

Heng Tat Construction Company Limited

Highways Department

Hilti (Hong Kong) Limited

Hip Hing Construction Co., Limited

Hip Seng Construction

Hong Kong Construction Association

Hong Kong Construction Industry Registered Specialist Trade Union Federation

Hong Kong Construction Materials Association

Hong Kong Cyberport Management Company Limited

Hong Kong Decoration & Engineering Association

Hong Kong Green Building Council

Hong Kong Housing Authority

Hong Kong Housing Society

Hong Kong Institute of Qualified Environmental Professionals Limited

Hong Kong Institute of Urban Design

Hong Kong Professional Hoisting Engineering Association



# SUSTAINABLE CONSTRUCTION CHARTER

## 可持續建築約章

Hong Kong Small and Medium Enterprises Association  
Hongkong Land Limited  
Housing Bureau  
JMK Consulting Engineers Limited  
Kim Hung Construction & Engineering Company Limited  
Kinform Timber Company Limited  
King Wing Foundation Coporation Limited  
Kinsway Construction Company Limited  
Konwall Construction & Engineering Company Limited  
Kwan Lee Holding Limited  
Kwan Shing Construction Limited  
Leigh & Orange Limited  
Leighton Contractors (Asia) Limited  
LWK + PARTNERS  
M & P Consulting Engineers (HK) Limited  
MTR Corporation Limited  
Newland Engineering Limited  
Occupational Safety and Health Council  
Otherland Limited  
Ove Arup & Partners Hong Kong Limited  
P&T Group  
Paul Y. Engineering Group Company Limited  
Penta-Ocean Construction Company Limited (HK Office)  
REC Engineering Company Limited  
Registered Specialist Trade Contractors Scheme  
Richwell Engineering Limited  
Rider Levett Bucknall Limited  
Ronald Lu & Partners  
Royal Institution of Chartered Surveyors  
Sanfield (Management) Limited  
Schneider Electric  
Shun Yuen Construction Company Limited  
Sino Group  
Siu Fai Engineering Limited  
Smart City Consortium  
Smart Tech. Global Limited  
SOCAM Development Limited

Surveyors Registration Board  
Swire Properties Limited  
Temporary Works Fourm Hong Kong  
The Association of Architectural Practices  
The ESG Consortium  
The Hong Kong E&M Contractors' Association Limited  
The Hong Kong Institute of Architects  
The Hong Kong Institute of Building Information Modelling  
The Hong Kong Institute of Landscape Architects  
The Hong Kong Institute of Surveyors  
The Hong Kong Institution of Engineers  
The Hong Kong Registered Contractors Association  
The Hongkong Electric Company Limited  
Trusty Surveyors (HK) Limited  
Urban Renewal Authority  
Varadise Limited  
Vibro (H.K.) Limited  
Wah Tung Facade Company Limited  
Wan Chung Construction Company Limited  
Wanson Construction Company Limited  
WCWP International Limited  
West Kowloon Cultural District Authority  
Wing Ho Yuen Landscaping Company Limited  
Wings & Associates Consulting Engineers Limited  
Wo Hing Construction Company Limited  
Wong Tung & Partners Limited  
WSP  
Yau Lee Holdings Limited  
Zilver Limited





# CONSTRUCTION DIGITALISATION CHARTER

## 建造數碼化約章

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Adrian Construction Limited	Chevalier (Building Supplies & Engineering) Limited
Aecom Asia Company Limited	Chevalier (Civil Engineering) Limited
Airport Authority Hong Kong	Chevalier (Construction) Company Limited
Alchmex International Construction Limited	Chevalier (E&M Contracting) Limited
Alliance Construction Materials Limited	Chevalier (Envirotech) Limited
AluHouse Company Limited	Chevalier (HK) Limited
AluHouse International Trading Company Limited	Chevalier Group
Amasia International Architects Limited	Chevalier International Holdings Limited
Analogue Technical Agencies Limited	Chevalier Property Management Limited
Andrew Lee King Fun & Associates Architects Limited	China Civil Engineering Construction Corporation (H.K.) Limited
Anlev (HK) Limited	China Harbour Engineering Company Limited
Anlev Elex Elevator Limited	China Overseas Building Construction Limited
Arcadis Consultancy Hong Kong Limited	China Road And Bridge Corporation
Arcadis Hong Kong Limited	China State Civil Engineering Limited
Arthur C S Kwok Architects & Associates Limited	China State Construction Engineering (Hong Kong) Limited
ASCC Limited	China State Construction Science and Technology Limited
ATAL Building Services Engineering Limited	China State Foundation Engineering Limited
ATAL Data Centre Infrastructure Limited	China State Hailong Construction Technology Company Limited
ATAL Engineering Group	China State Mechanical & Electrical Engineering Limited
ATAL Engineering Limited	Chinachem Group
ATAL Technologies Limited	Chows Architects Limited
Atkins China Limited	Chun Wo Building Construction Limited
Aurecon Hong Kong Limited	Chun Wo Construction Holdings Company Limited
Bachy Soletanche Group Limited	Chun Wo Development Holdings Limited
Bestkind International Engineering Limited	Chun Wo E&M Engineering Limited
Bestrich Engineering Limited	Chun Wo Elegant Decoration Engineering Company Limited
Binnies Hong Kong Limited	Chun Yip Construction Company Limited
Bordon Construction Company Limited	Citihero Construction Company Limited
Bouygues Travaux Publics	City University of Hong Kong
Build King Civil Engineering Limited	CLP Power Hong Kong Limited
Build King Construction Limited	CPC Construction Hong Kong Limited
Build King Interior & Construction Limited	CR Construction Company Limited
Buro Happold International (Hong Kong) Limited	Currie & Brown (China) Limited
Chai Kee Engineering Company Limited	
Cheung Kong-yeung Architects Limited	
Chevalier (Aluminium Engineering) Hong Kong Limited	

# CONSTRUCTION DIGITALISATION CHARTER

## 建造數碼化約章

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Dragages Hong Kong Limited	Kerry Properties (H.K.) Limited
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FSE Engineering Group Limited	Kum Shing E&M Limited
Full Dragon Construction Engineering Limited	Kum Shing Engineering Company Limited
Gadelly Construction Company Limited	Kum Shing Group
Gammon Construction Limited	Kwan Lee Holding Limited
Geotechnics & Concrete Engineering (HK) Limited	Kwan Shing Construction Limited
Ginca Construction Company Limited	Leigh & Orange Limited
Gold Wilson International Limited	Leighton Contractors (Asia) Limited
Goldfield N & W Construction Company Limited	LWK & Partners (HK) Limited
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Granbo Construction Company Limited	Mott MacDonald Hong Kong Limited
Grandic Construction Company Limited	MTR Corporation Limited
Hang Lung Properties Limited	Nan Fung Development Limited
Hanison Construction Company Limited	NetZo Limited
Henderson Land Development Company Limited	New House Construction Company Limited
Heng Lai Construction Company Limited	New Progress Construction Company Limited
Heng Shung Construction Company Limited	Nishimatsu Construction Company Limited
Heng Tat Construction Company Limited	Optimix Group Limited
Hilti (Hong Kong) Limited	Ove Arup & Partners Hong Kong Limited
Hip Hing Construction Company Limited	P&T (M&E) Limited
Hip Hing Engineering Company Limited	P&T Architects and Engineers Limited
Hip Seng Construction Company Limited	P&T Architects Limited
Hip Seng Façade Engineering Company Limited	P&T Engineers Limited
Ho & Partners Architects Engineers & Development Consultants Limited	P&T Group
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Hongkong Land Limited	Pekko Engineers Limited
Intrafor Hong Kong Limited	Penta-Ocean Construction Company Limited
ISPL Consulting Limited	Poly Property Group Co., Limited
JMK Consulting Engineers Limited	REC Engineering Company Limited

# CONSTRUCTION DIGITALISATION CHARTER

## 建造數碼化約章

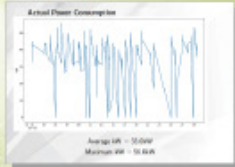
RenoPipe Construction Company Limited  
Richwell Civil Engineering Limited  
Richwell Engineering Limited  
Rider Levett Bucknall Limited  
Riseway Construction Engineering Limited  
Ronald Lu & Partners  
Samson Wong & Associates Property Consultancy Limited  
Sanfield (Management) Limited  
Shiu Wing Steel Limited  
Shui On Building Contractors Limited  
Shui On Construction Company Limited  
Shun Yuen Construction Company Limited  
Sino Group  
Siu Fai Engineering Limited  
SOCAM Development Limited  
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Spence Robinson LT Limited  
SumKee Limited  
Sun Luen Shing Engineering Limited  
Sunny Smart Engineering Limited  
Swire Properties Limited  
Tat & Associates Company Limited  
Techoy Construction Company Limited  
TFP Farrells Limited  
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TLS & Associates Limited  
Transcendence Company Limited  
Treasure Construction Engineering Limited  
Trusty Surveyors (HK) Limited  
Tsun Yip Waterworks Construction Company Limited  
Tung Wah College  
Unistress Building Construction Limited  
Urban Renewal Authority  
Vasteam Construction Limited  
Vernaltex Company Limited  
Vibro (H.K.) Limited  
Vibro Construction Company Limited  
Vibro Foundation Limited  
VSC Construction Steel Solutions Limited  
VSL Hong Kong Limited  
VSL Intrafor Hong Kong Limited  
W.M. Construction Limited  
WaiMing M&E Limited  
Wan Chung Construction Company Limited  
Wanson Construction Company Limited  
WCWP International Limited  
Wecon Limited  
Welcome Construction Company Limited  
Wheelock Properties (Hong Kong) Limited  
Wing Ho Yuen Landscaping Company Limited  
Wings & Associates Consulting Engineers Limited  
Wo Hing Construction Company Limited  
Wong Tung & Partners Limited  
WSP (Asia) Limited  
Yau Lee Construction Company Limited  
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# ESG-centric Digital Twin

## for Complying with Regulatory Requirements



Mandatory ESG (Environmental, Social & Governance) disclosures for complying with a growing wave of regulations is an increasing challenge for organisations. Integrating ESG aspects into the day-to-day decision-making process has become essential for business success. ATAL's ESG-centric Digital Twin enables organisations to automate operations and perform data analytics for ESG insights and business intelligence in addressing specific challenges from energy saving and maintenance optimisation to space utilisation and emergency response.





# AN INTEGRATED WHOLE-INDUSTRY-CHAIN SERVICE PROVIDER OF MODERN, NEW CONSTRUCTION METHODS

## 現代化新型建造方式全產業鏈綜合服務商

中國海龍建築科技有限公司(以下簡稱“中國海龍”)是中國建築國際集團有限公司旗下從事“新型建造方式全產業鏈解決方案”的科技公司。擁有甲級設計資質，房建一級、地基基礎一級資質，並在深圳、珠海、江門、合肥、宿州、重慶、濟寧布局7個裝配式生產基地，設計研發和智能建造能力國內領先，港澳市場佔有率穩居首位。中國海龍自1993年開啓建築工業化研究，憑藉MiC組裝合成建築體系開闢國內裝配式4.0時代。

CHINA STATE HAILONG CONSTRUCTION TECHNOLOGY COMPANY LIMITED (CHINA STATE HAILONG) is a technology company subordinate to CHINA STATE CONSTRUCTION INTERNATIONAL HOLDINGS LIMITED (CSCEC), which is engaged in providing "whole-industry-chain solutions for new construction methods." With Design Qualification Class-A, House Construction Qualification Class-I, and Foundation Construction Qualification Class-I, and seven prefabricated construction bases in Shenzhen, Zhuhai, Jiangmen, Hefei, Suzhou, Chongqing, and Jining, it is the domestic leader in design, R&D, and smart construction, with Hong Kong and Macao having the largest market share. CHINA STATE HAILONG has researched building industrialization since 1993 and has established the domestic prefabricated construction industry 4.0 thanks to its modular integrated construction (MiC) system.

國家裝配式 建築產業基地 National Prefabricated Construction Industry Base	國家高新 技術企業 National High-Tech Enterprise	博士後 創新實踐基礎 Postdoctoral Innovation Practice Base
專精特新 企業 Specialized and Sophisticated Enterprise that Produces New and Unique Products	中建集團 科技創新平台 CSCEC Technology Innovation Platform	廣東省工程 技術中心 Guangdong Provincial Engineering Technology Center
7大生產 基地 7 Production Bases	314個 裝配式項目 314 Prefabricated Construction Projects	3440萬㎡ 總建築面積 Total Floor Area: 34,400,000㎡

## MiC - BUILDING HOUSES LIKE MAKING CARS

### MiC組裝合成建築 像造汽車一樣造房子

MiC(Modular Integrated Construction)組裝合成建築是在工廠內將結構、裝修、水電、設備管線、衛浴設施等所有施工工序完成後生產的模塊單元，然後在現場通過可靠連接技術快速組合拼裝，實現像造汽車一樣造房子。

從結構形式來看，MiC組裝合成建築主要分為鋼結構和混凝土兩類，中國海龍是同時擁有兩大技術體系和項目應用的綜合服務商。

With the modular integrated construction (MiC) method, construction procedures such as structure, decoration, plumbing and electricity systems, equipment pipelines, and bathroom facilities occur in a factory setting to prefabricate modular units for quick assembly at the construction site with reliable connection technology. In this way, building a house is like making a car.

In terms of structure, there are steel-structure and concrete MiC technologies. CHINA STATE HAILONG is an integrated service provider who possesses both technologies and applies them to projects.



### MiC組裝合成建築的四大優勢 FOUR MAJOR ADVANTAGES OF MiC

高效率 High efficiency	高質量 Excellent quality	綠色低碳 Green and low-carbon	節材省工 Saving materials and labor
傳統建造工期減少 Shorter construction period	工業標準化生產 Standard production	固廢排放減少 Less solid waste	現場用工量減少 Reduced field labor
↓ 60%	↑ 90%	↓ 75%	↓ 70%

## MiC PROJECTS OF CHINA STATE HAILONG

### 中國海龍MiC項目案例

70 個 MiC項目  
70 MiC projects

78759 個 MiC模塊  
78,759 MiC modules

295 萬㎡ MiC建築面積  
MiC floor area: 2,950,000㎡

香港古洞北19區2期公營房屋  
Public Housing Project in Kwu Tung North Area 19 Phase 2, Hong Kong

6314個混凝土模塊 面積:22.7萬㎡  
6,314 concrete modules Area: 227,000㎡

香港房屋署首個總承建商包設計及建造的MiC項目  
First Hong Kong Housing Authority MiC project designed and built by main contractor

香港安達臣道石礦場地聯用岩洞發展項目  
Anderson Road Quarry Site Joint Cavern Development, Hong Kong

2324個混凝土模塊 面積:2.6萬㎡  
2,324 concrete modules Area: 26,000㎡

香港土木工程拓展署首個在岩洞中應用MiC的項目  
First Hong Kong Civil Engineering and Development Department project to apply MiC in rock caverns

香港紅瓦甫警察訓練設施項目  
Kong Nga Po Police Training Facilities in Hong Kong

124個模塊 面積:4.5萬㎡  
124 modules Area: 45,000㎡

香港警務處首個同時應用鋼結構與混凝土MiC項目  
First project for Hong Kong Police Force simultaneously applying steel-structure and concrete MiC

香港古洞北第29區特建福利服務綜合大樓  
Welfare Service Complex Project, Hong Kong Kwu Tung North Zone 29

1764個混凝土模塊 面積:4萬㎡  
1,764 concrete modules Area: 40,000㎡

混凝土MiC在香港公共建築的首次應用  
First application of concrete MiC to public buildings in Hong Kong

香港安達臣道公營房屋發展計劃(R2-6 & R2-7)  
Anderson Road Development, Hong Kong (R2-6 & R2-7)

4065個混凝土模塊 面積:5.16萬㎡  
4,065 concrete modules Area: 51,600㎡

香港房屋署首個即將完工的MiC項目  
First Hong Kong Housing Authority MiC project to be completed

北大嶼山醫院香港感染控制中心  
North Lantau Hospital Hong Kong Infection Control Centre

524個鋼結構模塊 面積:4.4萬㎡ 工期:120天  
524 steel-structure modules Area: 44,000㎡ Construction period: 120 days

全球首家MiC負壓隔離病房傳染病醫院  
The world's first MiC negative pressure quarantine ward infectious disease hospital

香港將軍澳中醫醫院  
Chinese Medicine Hospital in Tsing Yi, Hong Kong

1460個鋼結構模塊 面積:19萬㎡  
1,460 steel-structure modules Area: 190,000㎡

香港首個MiC中醫醫院  
First MiC Chinese Medicine hospital in Hong Kong





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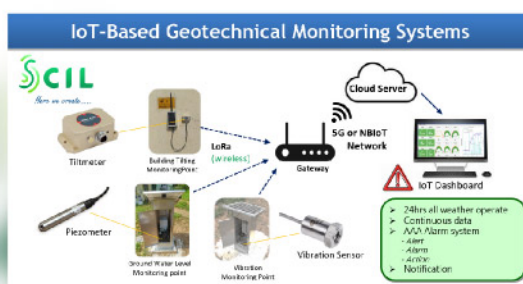
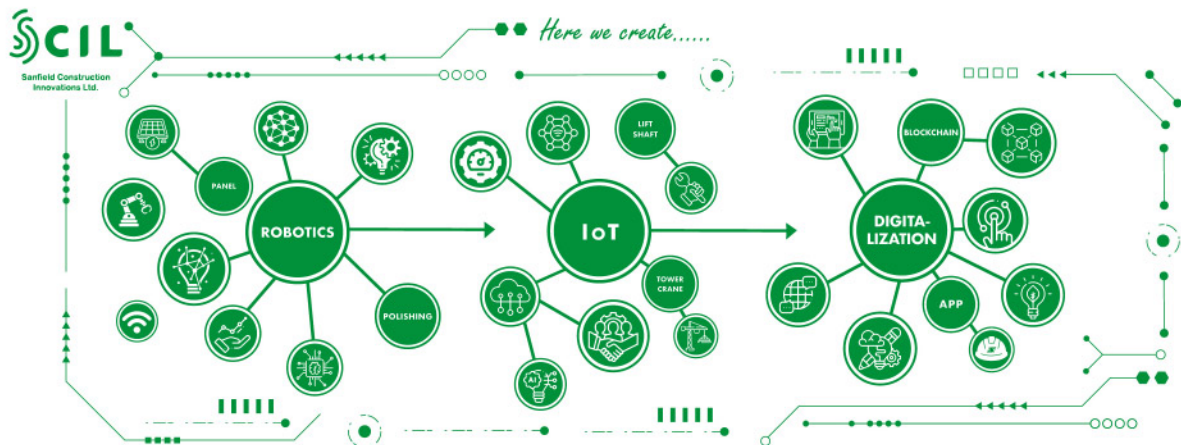
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SML and SCIL make sure they stay at the forefront when it comes to quality and industry standard of construction technologies, leveraging their technological advancements in robotics and machine learning, to create and improve construction systems and protocols that are safer, more rigorous and of higher efficiency.



**CONTACT US:**

**SANFIELD (MANAGEMENT) LIMITED**

30 Harbour Road, 43/F & 44/F, Sun Hung Kai Centre, Wanchai  
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<http://www.shkp.com.hk>

**SANFIELD CONSTRUCTION INNOVATIONS LIMITED**

Unit 910A, Building 16W, Hong Kong Science Park, Shatin, N.T.,  
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[info@scil.com.hk](mailto:info@scil.com.hk) / 3480 7633





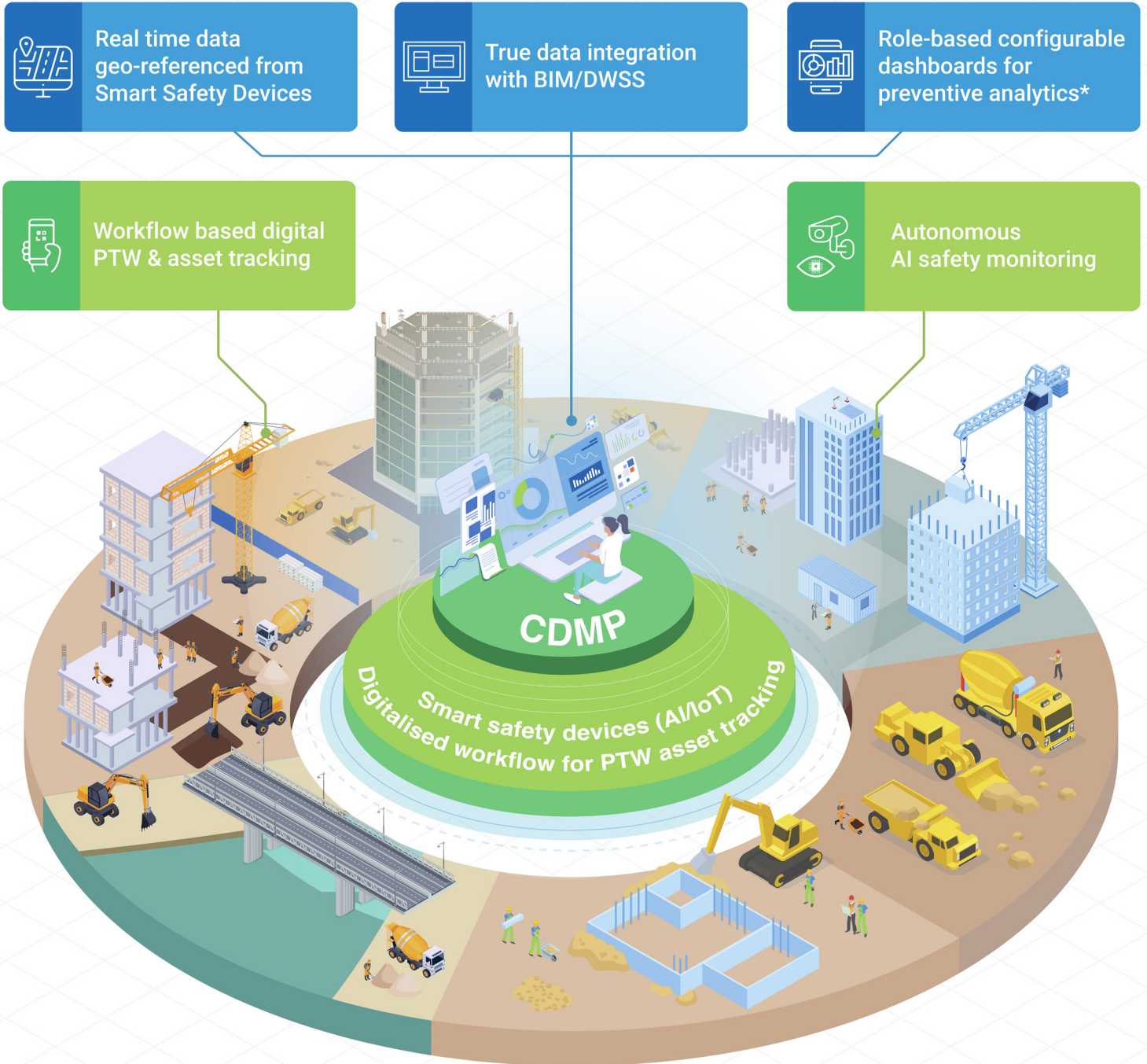
# Schindler's Robotic Installation System for Elevators (Schindler R.I.S.E)

Pioneering the automated elevator  
installation



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## Manifold Tech

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📍 3/F Unit A, Kader Building, 22 Kai Cheung Road, Kowloon Bay, Hong Kong.

# 建築材料管理及採購平台

## Construction Material Management and Procurement Platform



材迅亞洲發展集團有限公司 為亞洲聯合基建控股有限公司 [上市編號: 00711.HK] 成員之一。於2017年成立。

香港首個綜合性網上建築材料管理及採購平台, 把創新科技帶進建築市場, 完善本地建材數碼化銷售及管理模式。

Mattex Asia Development Limited, member of Asia Allied Infrastructure Holdings Limited (Stock code: 00711.HK), established in 2017.

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✉ info@mattex.com.hk  
☎ 3758 8068  
📍 九龍長沙灣永康街55號 金百盛中心10樓 (全層)



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✓ 環境、社會及公司治理  
ESG

## 我們的服務 Our Service



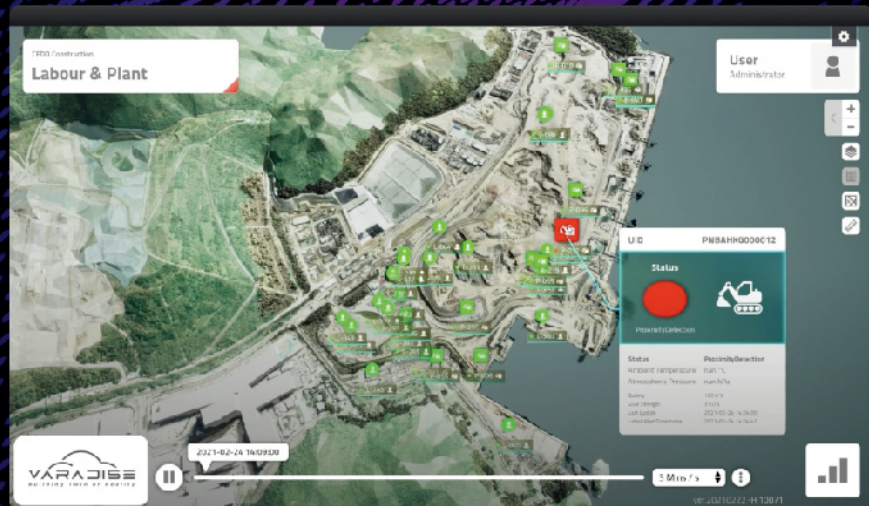
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Building Common Data Environment  
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Construction Industry Council

