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測量師時代 · T I M E S

**Leveraging technology
to achieve sustainability
goals and improve
stakeholder engagement**

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NOVEMBER 2022 **SURVEYORS TIMES**



Sr K K CHIU

At our AGM on 9 December, I will be passing the torch and wish my successor well. The honour of serving as your President has far outweighed all the challenges I encountered during my tenure. May I take this opportunity to extend my sincere thanks to all Office Bearers, members of the General Council, Executive Committee, the Divisional Councils, the Boards, Policy Panels, the many Committees, Task Forces and Working Groups, and the Secretariat Office for providing unfailing support to me, and to the Institute, in fulfilling our vision.

Whilst completing my journey as your President, I am happy to feel the city's pulse pounding again, evidenced by the more than 35 events I was invited to or attended in the month.

China national affairs programme

A course on China National Affairs designed for the Architectural, Surveying, Planning and Landscape functional constituency and the Hong Kong Institute of Engineers kicked off on 22 October. It covered the macro views and the fundamentals of national development, with insight and guidance in professional career development from Mainland experts, government officials and industry leaders. I had the pleasure to meet the first intake of 30 young professionals, eight of whom were HKIS members.

Expert centre to solve problems

The Building Surveying Division launched its pilot scheme for resolving issues and disputes, namely the Building Affairs Expert Determination Centre (Pilot Scheme), at a press conference on 3 November. It draws on surveyors' professional knowledge of buildings and promotes the engagement of their expertise to resolve building-related technical issues or disputes in private properties. To start, the centre will focus on four main issues relating to: water seepage; decoration or fitting-out works; repair and maintenance works for existing buildings (except disputes on the handover status of new flats or commercial units); and liability of unauthorised building works. A BSD subcommittee will manage the centre.

One of its chief aims is to bring a fair and highly efficient platform to the public by giving them access to specialist resources such as professional assessment and single-expert determination in dispute cases — and at less cost and time than litigation.

HKIS Annual Dinner makes a glorious return

Our first annual dinner in two years was held on 8 November and the turnout was exceptional. It speaks for itself but I, for one, was grateful it was so wonderfully supported. Our distinguished guests, sponsors, members, and professionals from different sectors gathered at the Grand Hyatt under proper social distancing. I spoke briefly, highlighting accomplishments in public policy participation, professional image promotion, external collaborations and talent development, among other things. Also, we had the pleasure of officiating the installation of

Mr Lam Sai-hung, Secretary for Transport and Logistics, as an Honorary Fellow.

Finger on the pulse

Our Surveyors' Luncheon Talks also resumed, on 11 November at the World Trade Centre Club. Our new Honorary Fellow, Mr Lam Sai-hung, drew 100 people to hear him speak on Hong Kong's edge in aviation and shipping as well as how infrastructure pushes development.

Twenty Institute members took up a Water Supplies Department invitation to visit the Ex-Sham Shui Po Service Reservoir on 16 November. Rated Grade 1 historical building status in June 2021, the ex-reservoir was an amazing structure for a CPD activity. The guided tour allowed us to better understand the 100-year history, conservation and heritage of this historic waterworks building.

Lending support to government

The Institute spares no effort to support government endeavours to improve our city, and so we did here. On 20 October, we took the 90-minute guided tour through "Envisioning Beyond Legacy" at the invitation of the Development Bureau (DevB) and Planning Department (PlanD). Their exhibition displayed the Government's planning and infrastructure achievements and outlined its development directions as well as major planning and infrastructure projects like Lantau Tomorrow.

Two days later, I attended the opening of "Building Safety Week 2022", organised by the Buildings Department at Tsuen Wan's City Walk 1 mall, where innovation and technology in building safety were exhibited.

The HKIS is also involved in the "Strive and Rise Programme" for junior secondary students who need societal support to set themselves up for a stronger, brighter future. The Institute is a participating professional institute and nominated mentor in this collaboration among the Government, business sector and community. Our mentors will share their experience, give insight into their fields and run group activities for participating students. I was at the Central Government Offices on 29 October to witness Chief Secretary for Administration Mr Chan Kwok-ki launching phase one and the students taking their pledge.

Regular industry collaboration and dialogue

"Bringing Applied R&D to New Heights", a DevB forum with the University-Government-Industry Consortium, shed light on the Government's research and development in construction. I sat in on the sharing session on 4 November, during which MiC, its practice and wider adoption, was discussed.

On 10 November, the Civil Engineering and Development Department and PlanD briefed institute presidents on the design competition under the Study on Artificial Islands in the Central Waters. The competition is being extended to early next year.

I attended the Construction Industry Council's (CIC) third President's Forum on 28 October. Secretary for Housing Ms Winnie Ho Wing-yin spoke about housing policy and the audience shared its views. On 31 October, the CIC hosted a webinar on the Policy Address, with the ASPL presidents all present at Zero Carbon Park to hear government officials speak on policies on

MiC and MiMEP, and other invited guests on Modular Integrated technology in different fields of construction.

Many more events are worth mentioning, but with limited space I shall end on the “Greater Bay Area Planning Awards 2022” exhibition opening ceremony hosted by the Institute of Planners, Guangdong Territorial Spatial Planning Association and Macau Urban Planning Institute on 7 November at Central Market, and the “GBA Built Heritage Summit” on 9 November, held by the Commissioner for Heritage’s Office under the DevB and the Antiquities and Monuments Office at City Hall.

As a last note, I hope you will keep opening up your minds to the changing environment and a progressive society: this positive attitude will surely empower us to tackle challenges and prosper. We are stronger together. I wish the Institute and the surveying industry every success through unity and sustainability.

Sr KK Chiu
President

在 12月9日的周年大會上，本人將會把會長一職傳遞給繼任人，祝願他一切順利。有幸出任香港測量師學會會長，這份殊榮遠超於我在任期間所面對的挑戰。我希望藉此衷心感謝所有執行理事以及理事會成員、執行委員會、專業組別理事會、委員會、政策小組、一眾委員會、專責小組、工作小組及秘書處所有成員對學會及本人的不懈支持，以實現我們的願景。

踏入任期倒數階段，我欣然見證香港再次煥發生機，本月已有幸獲邀出席超過 35 場活動。

國情研修班

專為建築、測量、都市規劃及園境界功能界別以及香港工程師學會設計的國情研修班於 10 月 22 日正式開始。課程涵蓋國家發展的宏觀觀點和基礎知識，並邀請到內地專家、政府官員和行業領袖提供關於事業生涯發展的見解和指導。我非常高興與首批共 30 名年輕專才學員會面，其中 8 名是香港測量師學會會員。

成立專家中心解決樓宇問題

建築測量組於 11 月 3 日舉行新聞發佈會，宣佈成立樓宇事務專家裁定中心（先導計劃），助公眾解決問題及糾紛。中心借助測量師的專業樓宇知識，協助解決與樓宇有關的技術問題或私人物業的糾紛。

中心將重點關注以下四個主要問題：滲水、裝修工程、現有樓宇維修及保養工程（但不包括有關新公寓或商業單位移交狀況的爭議），以及違例建築工程責任。樓宇事務專家裁定中心將由建築測量組委員會負責管理。

中心希望為公眾建立一個公正及高效率的平台，向其提供比起訴訟更有效及更具成本效益的專業資源，例如針對樓宇糾紛提供專業評估及單一專家裁定流程。

香港測量師學會週年晚宴隆重回歸

我們於 11 月 8 日舉辦了兩年來首個週年晚宴，晚宴出席人數眾多，場面熱鬧，本人由衷感謝各方支持。我們亦非常榮幸邀請到來自不同行業的貴賓、贊助商、會員和專業人士，並在適當的社交距離下於君悅酒店聚首一堂。我在簡短發言中強調了學會在公共政策參與、專業形象推廣、對外合作和人才發展等方面的成就。此外，我們欣然歡迎運輸及物流局局長林世雄先生成為學會名譽會員。

掌握脈搏

我們亦於 11 月 11 日假香港世界貿易中心會復辦測量師午餐演講會。本會新任名譽會員林世雄先生談論了香港在航空和航運方面的優勢，並闡述基礎設施如何推動發展，吸引 100 位觀眾前來參與。

另外，20 名學會會員於 11 月 16 日應水務署邀請，參觀前深水埗配水庫。這座前配水庫於 2021 年 6 月獲評為一級歷史建築，實在令本會的持續專業發展項目活動更精彩。導賞團讓我們得以深入了解這座歷史悠久的水務廠房之百年歷史、保育工作及文物價值。

鼎力支持政府工作

在學會事務以外，我們亦不遺餘力支持政府為改善城市環境而作出的努力。10 月 20 日，我們應發展局和規劃署邀請，參加為時 90 分鐘的「繼往創未來」展覽導賞團。是次展覽展示了政府在規劃及基建方面的成果，並概述政府未來的發展方向，以及明日大嶼等主要規劃及基建項目。

兩天後，我亦出席了屋宇署於荃灣荃新天地一期舉辦的「樓宇安全周 2022」開幕典禮，當中展出樓宇安全的創新科技。

香港測量師學會亦有參與「共創明『Teen』計劃」，務求扶助需要各界力量以助向上流動的初中學生。學會是其中一個參與計劃的專業機構，並為是次政、商、民三方的協作計劃提名友師。我們的友師將會分享經驗，深入他們的專業領域，並為參與學員舉辦小組活動。10 月 29 日，我出席了假政府總部的啟動禮，當中政務司司長陳國基先生宣佈計劃第一期正式啟動，而學員亦一同承諾積極參與計劃。

定期的行業合作及交流

「應用研發闖高峰」是發展局與大學/政府/業界三方聯盟合辦的建造研發論壇，旨在探討政府在建築領域的研發工作。我參加了 11 月 4 日的分享會，當中討論到組裝合成建築法 (MiC)、相關實踐及更廣泛的採用。

土木工程拓展署及規劃署於 11 月 10 日向各學會會長就中部水域人工島設計比賽進行簡介。比賽將延至明年初開始。

10 月 28 日，我出席了建造業議會第三場會長論壇。當中房屋局局長何永賢女士談論到房屋政策，觀眾亦有踴躍分享意見。10 月 31 日，建造業議會就施政報告舉辦一場網絡研討會。一眾建測規園界的會長聚首建造業零碳天地，聽取政府官員關於組裝合成建築法 (MiC) 和機電裝備合成法 (MiMEP) 的政策演講，而其他受邀嘉賓亦探討了不同建築領域的組裝合成技術。

值得一提的活動多不勝數，但由於篇幅有限，最後僅以兩個活動作結——規劃師學會、廣東省國土空間規劃協會及澳門城市規劃學會於 11 月 7 日在中環街市合辦的「大灣區規劃大獎 2022」展覽進行開幕儀式，而發展局文物保育專員辦事處聯同古物古蹟辦事處亦於 11 月 9 日舉辦了「大灣區文物建築高峯論壇」。

最後，我冀望大家繼續敞開心扉，迎接持續變化的環境和不斷進步的社會：這種積極態度將使我們有能力應對挑戰並共創繁榮。團結就是力量。我在此祝願學會及測量界透過團結及可持續發展獲得成功。

會長
趙錦權測量師

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and Dense High-rise Built Environment in Southern China

Leveraging technology to achieve sustainability goals and improve stakeholder engagement

By Jimmy Chow



Sr Patrick Leung
Council Member,
HKIS Property & Facility
Management Division



Sr Junior Ho
Honorary Secretary,
HKIS Planning and
Development Division



Today, surveyors are finding themselves relying a lot more on innovative technology, with cloud computing, big data and virtual reality enabling them to do their jobs more effectively. In this cover story, Sr Patrick Leung, Council Member of the Property & Facility Management Division of the HKIS, and Sr Junior Ho, Honorary Secretary to the Planning and Development Division of the HKIS, tell us about how technology plays a big part in driving their initiatives.

Achieve sustainability goals with digital transformation

According to Sr Leung, who is also Head of Facilities Management for Hong Kong and Macau at DFI Retail Group, the integration of cloud computing, big data and the Internet of Things (IoT) has transformed the way assets, properties and facilities are managed, maintained and serviced. DFI Retail Group is member of the Jardine Matheson Group and a leading listed Pan-Asian multi-brand retailer. To better keep track of assets and monitor maintenance history while reducing carbon footprint, the group has deployed smart asset and energy management solutions across its operations.

“For a large retail group like DFI managing over 1,800 stores, including convenience stores, health and beauty stores, and supermarkets, we need to keep track of over 50,000 items of fixed and moveable assets. IoT devices that are seamlessly integrated with our enterprise asset management platform help us achieve the accuracy and efficiency needed to manage their lifecycle and improve operational efficiencies,” he says.



Figure 1 – Over 50,000 items have been labeled and tracked using QR tags. These tags are regularly updated to monitor the item’s health and functioning over time.

圖 1 — 集團超過 50,000 件資產已貼上 QR 標籤以作識別和追蹤。QR 標籤會定期更新，監控各器材的使用狀況和維修狀態。

“Barcode-driven asset tagging is nothing new and, these days, QR codes (**Figure 1**) are more common as they can store more information. When combined with a cloud inventory tracking platform, we can realise multiple benefits. For example, the platform (**Figure 2**) can provide store or facilities managers with automatic maintenance and procurement alerts and assign repair tasks to contractors. It also lets our teammates quickly compile reports on asset usage and status.”

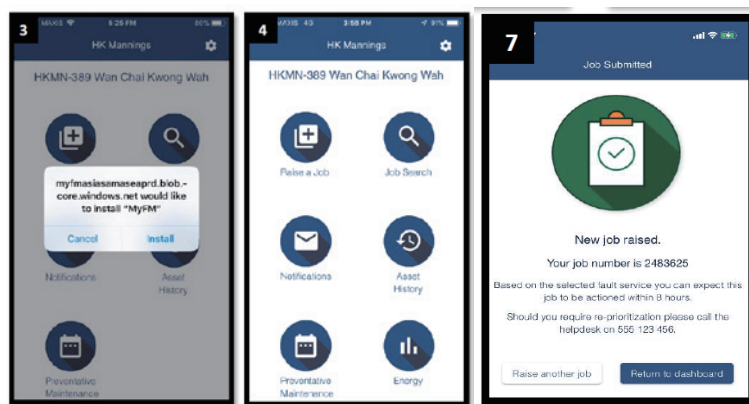


Figure 2 – “MyFM” is one of the tools that facilitates communication between each store and all DFI stakeholders to review and monitor all planned and reactive maintenance requests.

圖 2 — 「MYFM」是一個資產管理通訊平台，讓分店與集團持份者快速記錄和傳遞維修保養要求，讓相關人員迅速執行維修工作。

Procurement managers can quickly and easily check what status all assets are in, no matter which store they are installed in, by accessing various databases. They can see maintenance records and decide whether replacements are required. This allows them to order in bulk and negotiate better prices with vendors, he explains.

Decarbonisation is another driver for digital transformation. Across the retail group, multiple tech-driven initiatives have been undertaken to reduce energy consumption and carbon emissions from operations. Adding cooler curtains to keep cold air inside display refrigerators is a simple yet effective measure implemented.

Retrofitting equipment (**Figure 3**) to reduce energy consumption is among other measures that the group is taking towards decarbonisation goals. HCFC-22 (R22) is a high-capacity refrigerant

employed in many medium- and low- temperature refrigeration systems. The group's R22 refrigeration systems are currently being retrofitted to R448A, which boasts higher energy efficiency and reduced compressor discharge temperature at medium and low temperature conditions.

IoT-enabled systems are also able to help improve the energy performance of refrigerators, air-conditioners, and lighting. According to Sr Leung, IoT sensors are implanted in various types of equipment to collect their operational and energy consumption data for analysis, so as to optimise the balance between performance and energy consumption.

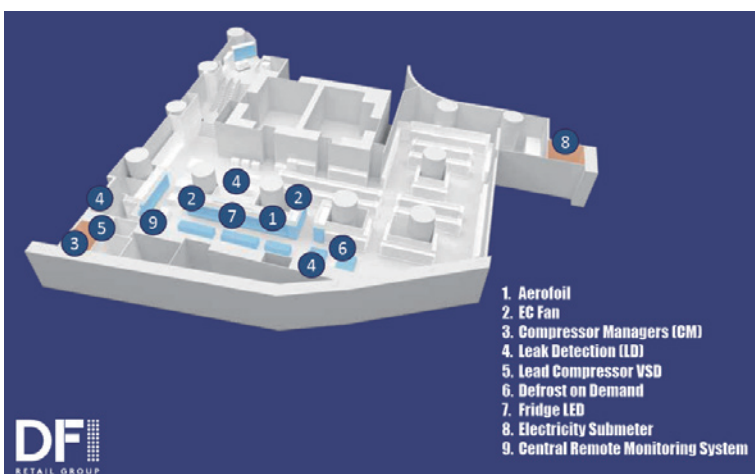


Figure 3 – As many as nine energy saving measures are deployed in a typical DFI store in Hong Kong.

圖 3 — DFI 零售集團旗下分店平均採用多達 9 項節能措施。

As another decarbonisation initiative, a smart chiller energy system has been piloted in some stores to analyse the temperature of air-cooled chillers. Whenever there is room, the system reduces the loading on the compressor while keeping the cooling range within the required temperature parameters.

“We’ve verified the effectiveness of the smart chiller energy system with a proof-of-concept before, which shows that it’s an economically viable investment. We’re planning to extend it to other stores and back-of-house facilities, including offices and warehouses,” says Sr Leung. He adds that leakage detection solutions have been deployed to monitor at-risk locations or existing stores. In new stores, however, there is no need

to install a gas leakage system as a low global warming potential (GWP) system (with a GWP lower than 1,500) was already selected during design stage based on the input of the facilities management team.

Defrosting in supermarket refrigeration systems is normally controlled by a pre-set time cycle with most display cabinets timed to defrost every interval. But according to Sr Leung, the group has switched to a demand defrost control system which defrosts the evaporator coils when sufficient frost has formed to adversely affect their performance would lead to both better temperature control and considerable energy savings.

And last but not least, energy submetering devices are put in place to accurately and timely measure and report energy performance of different types of equipment. “We have an advanced and centralised energy monitoring system that is accessible to all levels of operations and enables in-depth analytics on the performance of individual stores, district-wide, and the group as a whole.”

“In the quest for energy efficiency, we think about the largest energy wasters first and then tackle the smallest ones. Using this strategy can help achieve cost savings, reduce our emissions, and contribute to creating a low carbon economy,” he says.

The Government's goal of a net zero carbon economy, along with policy and funding support for private companies that research green technology, is driving their efforts to decarbonise. He says Jardine Matheson is willing to work with start-ups and support them as they test out various solutions. This has been seen in their Hack.Asia, an annual entrepreneurship programme hosted by the conglomerate. If proven to be successful and cost efficient, then they will try scaling it up and see if they can extend the partnership to other affiliate companies.

Elevating public engagement experience

As Hong Kong enters a new phase of development, from ongoing redevelopment in the existing urban area to the Northern Metropolis

blueprint, the Government is keen to engage the public in more engaging ways on how the future of our built environment is envisioned. The use of virtual reality (VR) and augmented reality (AR) is on the rise in town and project planning, especially when it comes to community engagement, says Sr Ho.

A recent example he cites is The City Gallery managed by the Planning Department. The exhibition showcases the vision for Hong Kong's city planning projects and acts as a platform on which to engage and inform the public about the sustainable urban future. Visitors can experience interactive and VR-based exhibits inside.

Another example is the public engagement activities organised by the Civil Engineering and Development Department to collect public views on the implementation direction of the cycle track between Tsuen Wan Bayview Garden and So Kwun Wat. As well as a workshop regarding the proposed Sham Tseng promenade to understand the needs of local residents and amass community views, the CEDD has also staged roving exhibition at different locations and offer VR cycling experiences to give the public a taste of the future cycle track and enjoy the scenery along the route.

"VR and AR technologies can help surveyors and planners visually represent the way a project

design would look in various settings, so that even the public could easily how it would look in their neighbourhoods. In other words, community members and stakeholders can visualise spatial data in an intuitive and interactive way using VR, which is valuable because it helps the user to conceptualise the details in the space around them."

There are plenty of uses for AR in the building and construction sector. During construction, AR can assist workers in identifying and planning around existing utilities such as electricity, gas and sewage. Contractors working on public works can also use AR to call up data on-site to detect possible hazards. AR is not only useful for envisioning observable changes, but also for foreseeing and planning around potential issues in infrastructure.

"In the future, when we have access to more geospatial data integrated with climatic and topographic data, we can do a better job in planning and designing by assessing environmental factors better that could impact the plan. This can help us make better decisions on building physics and geometry during the early design stages to maximise thermal comfort and natural ventilation and reduce cooling load requirements, ultimately improving building energy performance.



創新科技助力實現可持續 發展目標、提升持份者參與度

隨著科技日新月異，測量師也越來越依賴創新科技如雲計算、大數據和虛擬實境等以更有效地執行日常任務。在今期封面故事中，學會物業設施管理組理事會成員梁展柏測量師及規劃及發展組名譽秘書何誠謙測量師，講述了創新科技如何在推動節能減排和提升項目規劃社區參與度方面發揮重要作用。

數碼轉型實現可持續發展目標

本身為 DFI 零售集團香港及澳門區設施管理主管的梁展柏測量師表示，雲計算、大數據和物聯網的結合，改變了資產、物業和設施的管理、維護和運作方式。DFI 零售集團隸屬於怡和集團，是泛亞地區的大型多品牌零售集團。他表示，集團透過智能環保物聯網解決方案，改進了資產和設施管理的成本效率，並減少了碳足跡。

「集團旗下零售業務眾多，包括便利店、健與美產品連鎖店、超市在內便有 1800 多家分店，需要管理超過 5 萬項固定和移動資產。有見及此，我們在資產管理的不同環節裡安裝了物聯網傳感器，收集即時數據並上載到雲端管理平台中，管理人員可隨時監控資產生命週期，提升運營效率和準確性。」他解釋說。

「從前我們會以條碼標識資產，現時已採用了二維碼（圖 1），可存儲比傳統條碼更多的資訊，與雲端資產管理平台互動。例如，管理平台能為分店或設施經理提供自動維護和採購提示，直接指派供應商執行維修工作。團隊同事還能隨時檢

閱資產使用情況和狀態報告（圖 2），無論資產位於任何分店甚至國家，採購部門都可以快速查看狀態和維修記錄，決定是否有需要更換。這樣，採購部可統一向供應商批量採購，取得更好的價格，減低採購成本。」

減少碳排放是實現數碼化轉型的另一大推動力。據悉，該集團實施多項舉措以減低業務營運的能源消耗（圖 3）。較簡單直接的方案，包括在開放式凍櫃加裝透明膠簾，將冷空氣保存於凍櫃裡，而較複雜的工程則包括升級現有設備以降低能耗。HCFC-22（R22）是一種用於許多中低溫製冷系統的高容量製冷劑（雪種）。集團目前正將 R22 製冷系統改裝為 R448A，而後者在中低溫條件下，具有更高的能源效益和更低的壓縮機排氣溫度。

此外，物聯網系統還能幫助提高雪櫃、冷氣和照明系統的能源效益。梁展柏測量師表示，集團已將物聯網傳感器安裝於不同設備中，以收集其運行和能耗數據並加以分析，最佳化設備控制模式，降低用電量。舉例說，集團某些分店已試行智能冷水機組能源系統，分析並智能化操控風冷式冷水機組的溫度。只要室內環境條件合適，系統自動減少壓縮機的負載，將冷氣範圍保持在舒適的範圍內。

「我們已透過 POC 驗證了這套智能冷水機組能源系統的技術和經濟可行性，正計劃將其引進到其他分店和後勤設施，包括辦公室和倉庫等。」他補充說，集團亦已在冷凍系統高風險位置或現有

分店裝配了洩漏檢測解決方案，以監測製冷和其他關鍵組件的洩漏風險。然而，新店的系統設計已按照設施管理團隊的意見，選用了低全球變暖潛能值（GWP）系統（GWP 值低於 1,500），故新店並沒有需要安裝氣體洩漏檢測系統。

超市製冷系統中的舊式除霜功能，通常由預設的時間週期控制，即是說，凍櫃定時每隔一段時間會進行除霜一次。梁展柏測量師表示，集團已改用按需除霜控制系統，當蒸發器盤管形成足夠的霜凍對其性能產生不利影響時，系統將對自動進行除霜，從而更好地控制溫度以及節省用電。

「我們為不同設備安裝了能源分錶，測量 and 上報各電氣裝置的耗電量。各級管理人員可登入中央能源監控系統，了解各分店、分區以至整個集團的用電情況。可以說，我們在追求節能的過程裡，會先從耗電量最大的電器設備著手，深入研究細小的節能空間，此舉除可減低電費開支外，更重要的是集團作為一家負責任的企業，能為減排作出貢獻。」他說。

他表示，政府制定了實現淨零碳經濟的目標，並為研究綠色創新技術的公司提供政策和財政支持，對企業實現低碳轉型有莫大鼓勵。怡和集團對初創企業非常開放，願意與他們合作，讓他們於集團旗下公司營運測試創新解決方案，而集團每年舉辦的 Hack.Asia，正是創初實地試驗其創新方案的理想場合。如果方案被證明在技術上和經濟效益上可行，將被擴大到其他分公司，深化合作。

提升公眾參與體驗

從正進行得如火如荼的市區重建項目，到未來北部都會區的發展藍圖，香港市區發展正進入新階段。何誠謙測量師認為，政府非常樂意採用嶄新技術，例如虛擬實境（VR）和增強實境（AR）等互動媒體，加強公眾參與度，讓市民更深入了解香港未來的城市發展藍圖。

他舉例說，由政府規劃署設立的「展城館」，展示了政府對香港未來城市發展的願景，讓公眾深入浅出地認識香港城市規劃，其中包括不同主題的互動和虛擬實境體驗。再如近月由土木工程拓展署舉辦公眾參與活動，收集市民對新界單車徑荃灣灣景花園至掃管笏段的意見。該署除了就擬建的深井海濱長廊舉辦工作坊外，還在不同地點舉辦巡迴展覽，並提供虛擬單車體驗，讓公眾體驗未來的單車徑，欣賞沿途風景。

「現時，測量師和規劃師可借助 VR 和 AR 技術，更直觀與全面地將設計方案呈現給客戶和公眾，市民能了解項目落成後對社區的正面影響。透過讓公眾參與規劃過程，城市可以創造更宜居、可持續和公平的地方，意義重大。」

AR 在建築領域亦能發揮很大作用。舉例說，在施工期間，AR 可以協助施工人員定位基礎設施，例如電纜、供氣和排水管道。工務工程承包商亦可以利用 AR 來檢測施工現場可能存在的危機。換句話說，AR 不僅有助於可視化可觀察到的變化，還可用於預測正規劃中基建設施的潛在問題。

「未來，當我們能夠獲取更全面結合氣候和地形數據的地理空間數據時，規劃人員將能夠更準確地了解地理和氣候等環境因素，如何影響規劃中的發展項目，從而設計出更切合地形和氣候變化的建築方案，使樓宇環境溫度更加舒適，降低冷氣用電需求，進而提高建築物的能源效益。」





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国内新闻分享

发展绿色建筑 推进节能改造—— 各地多举措助力建筑领域节能减排

发展绿色建筑，关系著低碳节能，关系著可持续发展。党的二十大报告提出，积极稳妥推进碳达峰碳中和，立足我国能源资源禀赋，坚持先立后破，有计划分步骤实施碳达峰行动。近期，北京、重庆、贵州、海南等地发布相关政策，以创建建筑节能与绿色建筑为抓手，多措并举，深入开展绿色建筑节能减排，为实现碳达峰、碳中和目标奠定坚实基础。

推动重点领域低碳发展

建筑业作为国民经济重要支柱产业之一，是实现碳达峰、碳中和目标的重要一环。绿色建筑能为人们提供舒适的生活居住环境，建筑领域要想整体实现碳中和也离不开绿色建筑。

为了推动重点领域低碳发展，提升生态系统碳汇能力。北京市在日前印发的《北京市碳达峰实施方案》提到，新建政府投资和大型公共建筑执行绿色建筑二星级及以上标准，到2025年，新建居住建筑执行绿色建筑二星级及以上标准，新建公共建筑力争全面执行绿色建筑二星级及以上标准。推广绿色低碳建材和绿色建造方式，进一步发展装配式建筑，到2025年，实现装配式建筑占新建建筑面积的比例达到55%。积极推广超低能耗建筑，到2025年，力争累计推广超低能耗建筑规模达到500万平方米。

按照碳达峰目标和阶段性要求，完善低碳建筑标准体系，加快修订公共建筑节能设计标准和农宅抗震节能标准等节能减碳标准。建筑领域因地制宜推广太阳能光伏、光热和热泵技术应用，具备条件的新建建筑应安装太阳能系统，新建政府投资工程至少使用一种可再生能源，其中，新建公共机构建筑、新建园区、新建厂房屋顶光伏覆盖率不低于50%。提高炊事等电气化普及率，开展产能建筑试点。

建立既有建筑绿色改造长效机制，结合生命周期

管理，在城市更新中持续推进建筑节能改造，到2025年，力争完成3000万平方米公共建筑节能绿色化改造。健全建筑拆除管理。加快推进农房节能改造，提升农房设计建造水平，推广使用绿色建材。

加强既有农房节能改造

推动农房绿色低碳发展有利于延长农房使用寿命，强化节能减排，有利于改善农房舒适性和安全性。日前，贵州省发布的《贵州省城乡建设领域碳达峰实施方案》，提出推进绿色低碳农房建设。提升农房绿色低碳设计建造水平，建设满足乡村生产生活实际需要的新型农房，完善水、电、气、厕配套附属设施，加强建筑节能材料向乡村推广，提高农房能效水平，到2030年建成一批绿色农房，鼓励建设星级绿色农房和零碳农房。按照结构安全、功能完善、节能降碳等要求，制定和完善农房建设相关标准。引导新建农房执行《农村居住建筑节能设计标准》等相关标准，完善农房节能措施，因地制宜推广太阳能暖房等可再生能源利用方式。加强既有农房节能改造，推广使用高能效照明、灶具等设施设备。开展乡村建设适用技术研究，创新乡村住宅技术体系和现代乡土建筑体系，提升乡村住宅设计建造与宜居性能。鼓励就地取材和利用乡土材料，推广使用绿色建材，鼓励选用装配式钢结构、木结构等建造方式。

同时，要加强节能改造鉴定评估，编制改造专项规划，对具备改造价值和条件的居住建筑要应改尽改，改造部分节能水平应达到现行标准规定。持续推进公共建筑能效提升重点城市建设，到2030年地级以上重点城市全部完成改造任务，改造后实现整体能效提升20%以上。推进公共建筑能耗监测和统计分析，逐步实施能耗限额管理。

开展超低能耗建筑示范

发展超低能耗建筑，是建筑业低碳转型的重要途径。重庆市近日印发的“十四五”节能减碳综合工作实施方案要求，积极开展超低能耗建筑工程示范，探索近零能耗、低碳（零碳）建筑试点。推动商场、医院、学校、酒店和机关办公建筑等既有公共建筑由单一型的节能改造向综合型的绿色化改造转变。到2025年，城镇新建建筑100%执行绿色建筑标准。推进示范创建行动，推进公

北京办事处简讯

共机构新建建筑开展超低能耗建筑、近零能耗建筑建设。

同时，实施城镇绿色建造。大力推广装配式建筑，推进建筑工业化。开展成渝地区双城经济圈“无废城市”共建。推进城镇新建公共机构建筑、新建厂房屋顶应用太阳能光伏，推动可再生能源建筑规模化应用。到2025年，新增可再生能源建筑应用面积500万平方米。提升建筑能效水平。分阶段、分类型提高城镇新建民用建筑节能强制性标准。

此外，海南省绿色建筑发展条例也提出，在新建建筑和既有建筑节能改造中，推广使用太阳能、风能、氢能、生物质能、地热能等可再生能源。鼓励城镇新建建筑安装太阳能光伏、太阳能光热系统，按照要求与建筑主体工程同步设计、同步施工、同步验收。鼓励既有建筑在满足安全条件的基础上，安装太阳能系统。鼓励绿色建筑执行更高的建筑节能和碳排放标准，降低建筑能耗，推进超低能耗建筑、近零能耗建筑、低碳建筑等规模化发展，鼓励开展零碳建筑示范应用，推动建设零碳示范区，促进产业生态化。

中国建设报 2022.10.19 作者：纪沐辰

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更多测量相关的内地新闻资讯可于学会网页内浏览（每星期更新）：https://www.hkis.org.hk/en/newsroom_mainlands.html

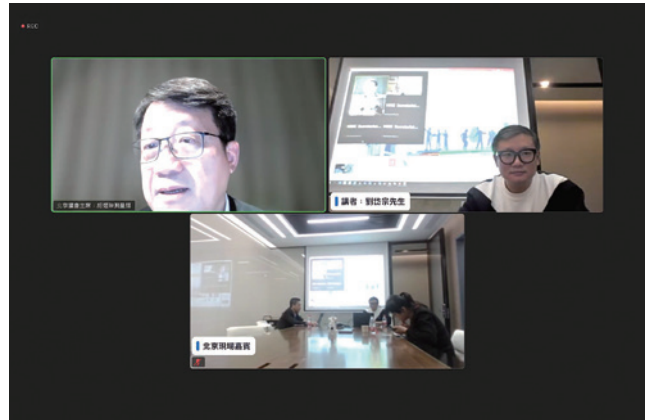
北京办事处资讯

北京议会活动《建设气候智慧型城市》讲座（10月27日）

2022年10月27日北京议会活动讲座《建设气候智慧型城市》顺利结束。两个小时的讲座内容充实丰富，受益良多。演讲嘉宾刘岱宗先生2015年起至今担任全球顶尖环境政策智库 - 世界资源

研究所 (World Resources Institute) 中国可持续城市部主任、中国传播主任。他在街道设计、城市交通（零碳交通、公共交通、未来交通、TOD等）领域拥有超过20年的经验。2022年他受聘担任北京大学建筑与景观学院客座教授、研究生指导老师。

本次讲座的主要内容围绕对全球气候智慧型城市发展进行了案例综述，并从建设必要性、实施路线图、政策机制变革以及关键的技术和行动在内的多个角度进行深刻探讨。讲座线上听课的有二百多人，现场听课为了响应疫情防控组织了小规模十几人。北京议会将继续为大家带来更精彩的活动。



讲座开始前，北京议会主席胡煜琳测量师在线上主持讲座并为大家介绍此次讲座的演讲嘉宾刘岱宗先生。



讲座现场



讲座结束后北京议会副主席许志忍测量师代表学会为演讲嘉宾刘岱宗先生颁发感谢状和纪念品以表感谢。



现场人员大合影



聚餐合影



现场人员大合影

2022年已经接近尾声，今年北京议会已经成功举办了7次CPD会员活动，在11月29日北京议会和上海议会还有建筑师学会内地事务部联合举办线上讲座上海徐家汇中心项目实践分享《十年磨一剑，地标项目背后的工程设计历程》，精彩持续进行。

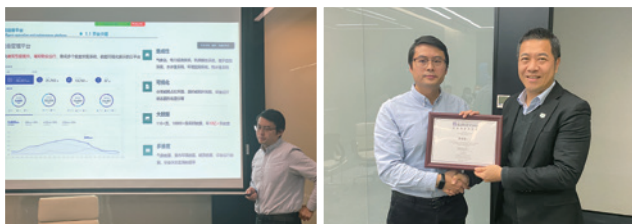


在日料餐厅聚餐

北京议会活动《新型楼宇智能运维管控平台》讲座（11月14日）

2022年11月14日举办的讲座《新型楼宇智能运维管控平台》已经圆满结束，演讲嘉宾李晋秋博士已经第二次为学会讲课分享，受到广大会员和业界朋友的支持和喜爱。这次活动线上听课的人数达到了230人左右，线下听课为了响应疫情防控政策组织了小规模听课，讲座当天有16人亲临现场。

本次讲座内容主要针对新型楼宇智能运维管控平台的整体架构、平台功能、数据功能、监测功能，平台特点优势等展开介绍，并结合典型项目案例详细介绍数字化平台技术在建筑运维中的应用技术路线、优化控制策略以及实际效果。



李晋秋博士在北京听课现场为大家分享讲座内容。

讲座结束后，北京议会副主席许志忍测量师代表学会向演讲嘉宾赠送纪念品和感谢状。

香港测量师学会在内地设有三个议会，定时举办不同活动如讲座或考察，请关注香港测量师学会微信公众号以获取更多活动资讯：

北京议会 - 主席：胡煜琳测量师	副主席：罗绮华测量师 许志忍测量师
上海议会 - 主席：张丽娟测量师	副主席：梁傲文测量师
广州议会 - 主席：张子涛测量师	副主席：李国华测量师

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微信号：HKIS-Official

微信名：香港测量师学会

香港测量师学会 QQ 群聊（只供会员加入）

群号：113919687

群聊名称：香港测量师学会

香港测量师学会腾讯视频

名称：香港测量师学会



HKIS Annual Dinner 2022

The HKIS Annual Dinner was successfully held on 8 November in Grand Hyatt Hong Kong. This was the Institute's first large-scale gathering since the 2019 Annual Dinner due to social distancing restrictions under the pandemic.

The HKIS was delighted to have invited the Honourable Andrew LEUNG Kwan-yuen, GBM, GBS, JP, President of the Legislative Council, as its Guest of Honour. The ceremony started with a welcome speech by President Sr KK CHIU, who highlighted the Institute's key activities during this past council year. Mr Andrew LEUNG expressed his appreciation to the HKIS and the surveying profession for the support and contribution to the continuous development of Hong Kong. He also shared his kind words in wishing the Annual Dinner and the Institute great success.

A diploma was presented to newly-elected Honorary Fellow, Mr LAM Sai Hung, GBS, JP, Secretary for Transport and Logistics, to honour his outstanding contributions to the surveying profession, construction industry, and Hong Kong.

After that, Sr Edwin TANG, Chairman of the HKIS Charitable Foundation, announced the sale of HKIS Foundation charity raffles to help the needy and appealed to participants for their sincere support. Last, Vice President and Chairman of the Annual Dinner Organising Committee, Sr Robin LEUNG, gave a speech to thank the Guest of Honour, all sponsors, guests, members of the Organising Committee, the Dinner Secretariat, HKIS Secretariat, and members.

The dinner was well-attended by member firms. The HKIS also invited prominent guests from the Government, professional associations, and universities. All VIPs, guests, and members enjoyed the dinner and surprise lucky draw.



Dinner booklet:

<https://tinyurl.com/22hx28nz>



Event highlights:

<https://tinyurl.com/2hgcx3bb>



HKIS Surveyors Lunch: 提升雙航優勢 基建驅動發展

The HKIS organised a Surveyors Lunch at the World Trade Centre Club on 11 November. It was the first time since 2014 that the Institute organised a Surveyors Lunch. It invited an Honorary Fellow Member, Secretary for Transport and Logistics Mr LAM Sai Hung, GBS, JP, as the featured speaker to discuss, 「提升雙航優勢 基建驅動發展」.

Mr Lam not only shared the advantages and potential development of Hong Kong's air and marine transportation, but also future infrastructure plans such as new railways and highways to drive the city's development.

The lunch attracted around 100 HKIS members, who enjoyed Lam's insightful information and the opportunity to mingle with fellow members and friends.



HKIS President Sr CHIU Kam Kuen (right) presents a certificate of appreciation to Mr LAM.



Speaker Mr LAM Sai Hung, GBS, JP, Secretary for Transport and Logistics



Group Photo of General Council Members and Mr LAM

HKIS and SRB's Support for the Safety Charter

Pledging to drive change in construction safety culture and realise the vision of “zero accidents,” HKIS President Sr KK Chiu and Senior Vice-President and Chariman of the Surveyors Registration Board Sr Paul Wong (on behalf of the Surveyors Registration Board) signed the Safety Charter at the Construction Safety Summit 2022, which was jointly conducted by the Development Bureau & Construction Industry Council on 4 November.

By signing the Safety Charter, the HKIS and SRB pledged to build a site safety culture of caring community and promote the spirit of caring for all, make construction safety a primary consideration, promote the best practices in site safety and the proactive use of technology to uplift safety performance, enhance communications, and provide a safe work environment and targeted safety training to all stakeholders.

Safety Charter Objective

This Charter manifests the commitment of the construction industry to the continuous

development of site safety culture, bearing the vision of “zero accidents”.

Pledges

By signing this Charter, I commit to:

- 1st Build the site safety culture of “caring community” through collaboration, and promote the spirit of “caring for all”
- 2nd Prioritise construction safety as a primary consideration, and integrate it into the whole project life cycle from planning, design, construction, operation to decommissioning
- 3rd Promote best practices of site safety and proactive use of technology, including adoption of Smart Site for Safety System, for continuous improvement in safety
- 4th Work together to enhance communication, provide a safe working environment and targeted safety training for all stakeholders



Source: <https://www.info.gov.hk/gia/general/202211/04/P2022110400785.htm>

Green Corner

Reported by Sr Kenneth YUN

Co-Convenor of the Green Building Task Force, the Working Group on Sustainability

Hong Kong Green Building Council (HKGBC)

- The Construction Industry Council (CIC) appointed Sr Cheung Tin Cheung to succeed Sr Cheung Hau Wai as Chairman of the Hong Kong Green Building Council with effect from 1 January 2023.
- The HKGBC will celebrate its 13th anniversary on 30 November 2022.



- The Greater Bay Area Sustainable Built Environment Conference 2022 will be held on 16 December 2022 at the Hong Kong Convention & Exhibition Centre (HKCEC) with the theme, "Achieving a Sustainable and Carbon-Neutral Built Environment in the Greater Bay Area".

Registration:
<https://tinyurl.com/2ldd33hx>



- The launch ceremony for the HKGBC Retrofitting Guidebook was deferred.

Professional Green Building Council (PGBC)



The PGBC 20th Anniversary Dinner was held on 24 November. Ms Bernadette Linn, JP, Secretary for Development, was the Guest of Honour.

The event featured an inauguration ceremony for four new affiliated PGBC members: the Chartered Institute of Logistics and Transport in Hong Kong (CILTHK), Hong Kong Institute of Architectural Conservationists (HKICON), Hong Kong Institute of Facility Management (HKIFM), and Hong Kong Institute of Urban Design (HKIUD). All four signed agreements during the ceremony.

The dinner was also memorable in that all PGBC Past Chairmen were in attendance.

The next PGBC council year will commence in January 2023, while the HKIS will take up the secretariat service. Members are encouraged to join the PGBC as co-opted members through nomination by the HKIS.

BEAM Society Limited (BSL)

The first and foremost rating tool designed to assess the sustainability of school premises in Hong Kong, BEAM Plus Existing Schools (ES) Version 1.0, was launched on 17 October. This unique assessment tool and its accompanying technical guidebook feature simple guidelines and comprehensive assessment criteria to help primary and secondary schools reduce their energy consumption and carbon emissions, while enhancing the environmental awareness of their staff and students through participation and education. BEAM Plus ES v1.0 is now available for new project registration. Please scan the QR code to learn more.

The 12th Anniversary Dinner will be held on 29 November 2022.



Council Members Reaching Out

3 Nov 2022	CIC - See What I See Luncheon organised by Construction Industry Council	Sr KK Chiu Sr Paul Wong
4 Nov 2022	DEVB Construction R&D Forum - Bringing Applied R&D to a New Height organised by The Development Bureau	Sr KK Chiu
4 Nov 2022	DEVB & CIC Construction Safety Summit 2022 organised by The Development Bureau and Construction Industry Council	Sr KK Chiu
7 Nov 2022	ArchSD Communication Zoom Meeting between HKIS, ACQS, DEVB and ArchSD organised by Architectural Services Department	Sr Sunny Choi
7 Nov 2022	HKIP The Greater Bay Area Planning Awards 2022 Public Exhibition Opening Ceremony organised by The Hong Kong Institute of Planners	Sr KK Chiu
9 Nov 2022	AMO The Greater Bay Area Built Heritage Summit organised by Antiquities and Monuments Office	Sr KK Chiu Sr Francis Lam
10 Nov 2022	The Law Society of Hong Kong's 5th Belt and Road Online Conference	Sr KK Chiu
10 Nov 2022	CEDD & PlanD Design Competition (Open and Professional Groups) under the Study on the Artificial Islands in the Central Waters Luncheon organised by The Civil Engineering and Development Department and Planning Department	Sr KK Chiu
11 Nov 2022	CEDD & PlanD Design Competition (Open and Professional Groups) under the Study on the Artificial Islands in the Central Waters Luncheon organised by The Civil Engineering and Development Department and Planning Department	Sr KK Chiu Sr Paul Wong Sr Francis Lam Sr Robin Leung Sr Tony Wan Sr Raymond Kam
14 Nov 2022	CIC "Design for Future Build for Life" Campaign Launch Event organised by Construction Industry Council	Sr KK Chiu Sr Wilson Ko
17 Nov 2022	LCSD Prize Presentation Ceremony of the Best Landscape Award for Private Property Development 2022 organised by The Leisure and Cultural Services Department	Sr KK Chiu
18 Nov 2022	HKIC Graduation Ceremony 2022 organised by Hong Kong Institute of Construction	Sr KK Chiu
18 Nov 2022	HKICM 25th Anniversary Dinner cum CMA 2022 Presentation Ceremony organised by Hong Kong Institute of Construction Managers	Sr KK Chiu
19 Nov 2022	VTC Award Presentation Ceremony of Photo Competition 2021 organised by The Vocational Training Council's Building, Civil Engineering and Built Environment Training Board	Sr KK Chiu

19 Nov 2022	「十大傑青與香港青年對話：願·建未來」 organised by Junior Chamber International Hong Kong	Sr KK Chiu Sr Wilson Ko
22-23 Nov 2022	HKTDC Asian Logistics, Maritime and Aviation Online Conference organised by Hong Kong Trade Development Council	Sr KK Chiu
24 Nov 2022	PGBC 20 th Anniversary Celebration Dinner organised by The Professional Green Building Council	Sr KK Chiu Sr Charles Hung Sr Edwin Tang
24 Nov 2022	PolyU BRESS Career Talk organised by The Hong Kong Polytechnic University Department of Building and Real Estate Students' Society	Sr Raymond Kam Sr Sunny Wong Sr Peter Dy Sr Gigi Mok Sr Sandy Yip Sr Aaron Cheng Sr Edward Tam Sr Camman Chan
25 Nov 2022	PolyU 85th Anniversary Celebration Dinner organised by The Hong Kong Polytechnic University, Department of Land Surveying and Geo-Informatics	Sr KK Chiu
25 Nov 2022	香港註冊承建商商會第四屆委員會就職典禮誠邀出席及惠賜題辭	Sr KK Chiu
25 Nov 2022	香港物業管理師學會周年晚宴 2022	Sr Tony Wan
26 Nov 2022	IISO/DEVB Briefing Session - Feasibility Study on Pedestrian Access and Traffic Improvement of Island South organised by Invigorating Island South Office, The Development Bureau	Sr KK Chiu
28 Nov 2022	HKGBCA 11th Inauguration cum 20th Anniversary Gala organised by Hong Kong General Building Contractors Association Ltd.	Sr KK Chiu
28 Nov 2022	URA 2nd Consultant Registration Panel Meeting of Building Rehabilitation Company Registration Scheme organised by Urban Renewal Authority	Sr Kenny Tse
29 Nov 2022	THEi Graduation Ceremony 2022 organised by Technological and Higher Education Institute of Hong Kong	Sr KK Chiu
29 Nov 2022	Webinar "SME ReachOut - Get FUND with Ease Series" Form-filling Workshop - Enterprise Support Scheme organised by The Hong Kong Productivity Council	Sr KK Chiu
30 Nov 2022	QPFMA 2022 Award Presentation Ceremony organised by The Hong Kong Association of Property Management Companies and The Hong Kong Institute of Surveyors Property and Facility Management Division	Sr KK Chiu
30 Nov 2022	HKGBC 13th Anniversary Celebration Event organised by Hong Kong Green Building Council	Sr KK Chiu

Congratulations to the following who were elected as HKIS Members on 14 November 2022

MEMBER (29)

BS DIVISION

CHAN KIN LUNG	CHAN TZE KI	CHAN WAI SUM
CHAN YIN CHUNG	HUI HON WEI VINCENT	HUI WAI YING
LAM LEE HA	LAM WING YIN	LEE WAI LUN KINGSLEY
LEUNG CHIU MAN MARTIN	MAN HOK HIM	SO KA HO
TAI MING CHAK	TO KA CHI	TSOI TING WESTING
WAN YUEN YAN	YU CHI CHING	

GP DIVISION

CHING CHUEN YIN	LI SUET TING	MA CHING YEUNG
TSE SAI HO	WONG LEUNG SHING	

LS DIVISION

HUNG MING LUN	LAM LOK MAN	NG LOK TING
NG YIU YIN	TSE KWAN SUET	WONG HANG YU

PFM DIVISION

WONG KWOK WA

CORPORATE MEMBERS REGISTERED IN OTHER DIVISIONS (1)

GP DIVISION

YUEN HOK LUN






RESIGNATION (9)

CHEUNG KI CHEUNG JACKY	FUNG KAI FAAT	KO SHUN KAM
KWAN LOK KAN	LAU LAP HIN	MAK SIN CHI DENNIS
NG MEI YI	WU LOK YI	YEUNG HANG SHING



Programmes Subsidized by Vplus Engineering*

Tuition Subsidy

-  **Professional Diploma in Quantity Surveying (QF Level 4)**
-  **Professional Certificate in Quantity Surveying Practice (QF Level 4)**
-  **Professional Certificate in Building Information Modelling (Building Works) (QF Level 4)**
(Recognised as CIC-Accredited BIM Coordinator Course)
-  **Certificate for Building Information Modelling Manager (QF Level 4)**
(Recognised as CIC-Accredited BIM Manager Course)
-  **Certificate in Building Information Modelling (Quantity Surveying / Facility Management / Project Management) (QF Level 4)**

* For details of QF Level, QR Registration Number and Validity Period of the programme, please visit the programme website
Vplus Engineering is part of the Vplus Subsidy Scheme. Eligible applicants can reimburse 60% of the tuition paid up to a maximum of \$45,000 per person

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Vplus Subsidy Scheme

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The HKIS Outstanding Dissertation/Thesis Awards 2021 Executive Summary of Winning Papers

A STUDY OF NEW ENGINEERING CONTRACTS FOR PARTNER RELATIONSHIPS AND PROJECT IMPROVEMENTS

Undergraduate Category: QSD Second Award

**Awardee: CHENG Pui Ying, City University
of Hong Kong**

The construction industry is recognised as adversarial and dispute-orientated. These limitations have consequences. Therefore, a new procurement approach is necessary for changing the adversarial relationships that exist in the industry to achieve better performances.

In recent years, the Hong Kong Government has encouraged the implementation of new engineering contracts (NECs) to promote collaboration between clients and contractors, so as to minimise contractual disputes. Despite success with this practice around the world, Hong Kong remains in its comfort zone of familiarity with traditional contracts. With regards to NEC's unpopularity in Hong Kong, it is important to study if it has improved partnerships and project performances.

In this study, the author investigates the relationships between NEC characteristics and project outcomes based on extensive literature reviews and quantitative analyses. She identifies nine NEC characteristics and seven project outcomes from the literature and groups the characteristics into four categories: specificity, award recognition, flexibility, and team conflict resolution. She further divides specificity into time, cost, quality, clarity, early warning, detailed procedure, and compensation events. She achieves award recognition through the pain/gain sharing mechanism in the target cost options, which determine a target in advance. Partnering concept, risk management, and value management serve as team conflict resolution mechanisms for resolving disputes.

For NEC outcomes, disputes, time, cost, and quality form the basis of a project's performance. Team performance is achieved by good interpersonal relationships, while organisation performance is achieved by cultural changes and inter-firm relationships.

The above characteristics and project outcomes provide the basis of a questionnaire that the author sent to contractual parties with NEC experience. The results revealed that NEC characteristics had a significant impact on the outcomes, as each NEC characteristic demonstrated a positive relationship with a particular project outcome.

The multiple regression results showed that early warning and compensation events were the most effective NEC characteristics for predicting most project outcomes. This meant that NEC has improved partner relationships and project performances. Although not all partner relationships and project performances are related to every NEC characteristic, NECs can help improve both.

ARE AMENDMENTS AND ADDITIONAL CLAUSES TO NECs NECESSARILY GOOD? AN INVESTIGATION INTO THE PERFORMANCES OF NEC3 ECC PROJECTS IN HONG KONG

Undergraduate Category: QSD Second Award

Awardee: WONG Lok Sum, Department of Real Estate & Construction, University of Hong Kong

New Engineering Contract 3 (NEC3) has recently been adopted in Hong Kong's construction projects. It promotes flexibility so that main and secondary option clauses are available to cater to different projects and parties' needs. The Hong Kong Government's Development Bureau (DEVB) is one of the city's largest NEC users. For engineering and construction contracts (ECCs), a type of NEC between an employer and contractor, a library of standard amendments and additional clauses was published in 2017. This has aroused discussions on and possibly controversy over the contractual mechanisms and rationale behind the amendments.

This dissertation aims to review standard amendments and additional clauses that DEVB has proposed, so as to identify key performance indicators (KPIs), evaluate the impacts of amendments and additional clauses on project performance, as reflected by KPIs, and the relationships between them. It also recommends refining the framework for the adoption of NEC3 ECC.

The author identified and categorised key amendments such as compensation events,

which are situations in which a contractor is entitled to time and/or cost compensation. He inserted new reimbursable events, such as unforeseen and unreasonable labour shortages for experienced contractors and prevention measures that arise from employers or others. The proposed amendments were intended to impose restrictions on various entitlements. Events such as inclement weather and labour shortages were entitled to time compensation only.

After identifying the key amendments, the author was able to formulate a framework for measuring project performance in the form of KPIs. Conventional KPIs are cost, time, and quality, while coordination-related KPIs involve risk and supply chain management and operations-related KPIs stress the importance of resource management and legal compliance. The most important indicator category is relationship management, which reflects the significance of NEC3 in building mutual trust and partnering among project parties.

The author believes that ECC may be unable to adapt to environmental changes, while contract drafting and amendments are not the only factors that affect project performance. During a project's operation, the involved parties may be unfamiliar with ECC and differing viewpoints on contract clauses usually arouse conflicts over financial and project management.

The author recommends that the potential implications and impacts on project operations should be thoroughly considered during the formulation and implementation of amendments. Further consultations should be conducted with the public legal sector and all project stakeholders, as they are crucial for balancing stakeholders' interests.



Building Surveying Division
Sr Arthur Cheung BSD Council Chairman

Launch of the Building Affairs Expert Determination Centre (BAEDC)

The BAEDC pilot scheme was officially launched on 3 November. It is a platform that, as an additional dispute resolution system, promotes the use of expert determination in respect of building-related technical issues or disputes including, but not limited to, water seepage, decoration or fitting-out works, repair and

maintenance works for existing buildings (but excluding disputes over the handover status of new flats or commercial units), and liability for unauthorised building works.

Thanks go to all task group members for their great efforts!

Please visit the BSD's webpage for further details.



APC – Practical Task 2022

The Practical Task 2022 was held from 9-12 November with the BSD interviewing 130 probationers on the last day. Thanks go to all DEC members and assessors for supporting this exercise!



BSD Annual Dinner and AGM

The BSD AGM occurred on 15 November. The new council was elected during the meeting. A list of the new council members will be published on the HKIS website very soon. I take this opportunity to express my sincere thanks to 2021-2022 OBs, council members, and co-opted members.



The Annual Dinner, which took place at the Asiana Restaurant, occurred after the AGM. Including some newly-qualified members, some 120 members joined this gathering. I hope everyone enjoyed the event and its unforgettable moments. See you all next year!



BSD Channel

The BSD Channel was rebranded and officially launched on 15 November with the publication of its first series, 「鍾SIR解構123」. Thanks go to Sr Prof Barnabas Chung and the production and research support teams. Members who have yet to subscribe to the channel should act now!



鍾SIR 解構 123 - 第二集: 建築物條例講乜?
BSD Channel · 收看次數: 385 次 · 6 日前



鍾SIR 解構 123 - 第一集: 香港建築法點嚟?
BSD Channel · 收看次數: 1.8K 次 · 3 星期



BSD Channel

<https://tinyurl.com/yauuyvxx>



CAEC Forum & CAEC Forum with ASEAN

BSD Vice Chairman Sr Nathan Lee joined me at the CAEC forum on 25 November via video conference. On the following day, HKIS Past President and BSD Past Chairman Sr Vincent Ho delivered a presentation at the CAEC Forum with ASEAN. These forums not only allowed members to share their insights with counterparts in China, Macau, and the rest of Asia, but also with each other to understand the latest professional developments in the industry.



Building Surveyors Award 2023 – Inspiring Our Next

The BSA 2023 will launch in November 2023 and has started calling for entries. Early bird nominations that are submitted on or before 23 December 2022 will enjoy a 25 percent discount. Please check the details at <https://hkis-bsa.com/>. Don't miss the chance to show your peers the great work you have done! Register now!



**BUILDING
SURVEYOR
AWARDS 2023**



CALL FOR ENTRY NOW

Nomination Deadline: 23:59 on 28 February 2023, Tuesday

*Early-bird Nomination Deadline: 23:59 on 23 December 2022, Friday
25% early-bird discount is offered

For more details, please visit www.hkis-bsa.com





General Practice Division

Sr Alnwick Chan GPD Council Chairman

A Momentous 2022

This year has been a momentous one for all of Hong Kong with the installation of a new Government cabinet led by Mr John Lee and the celebration of the 25th anniversary of the establishment of the Hong Kong SAR, which ushered in a new era for the city.

As 2022 draws to a close, I am delighted to present a summary of the GPD's main accomplishments since the start of the year.

Official Launch of the Overview (3rd Edition)

On 25 May, the HKIS launched its third edition of the Overview of the Land (Compulsory Sale for Redevelopment) Ordinance (「強拍條例」概覽).

Overview debuted in April 2009 as a guide to help the general public gain a deeper understanding of the compulsory sale regime. It outlines the basic framework and procedures of compulsory land sales in Hong Kong.

In 2010, the Government ordered the lowering of the compulsory sale application threshold to 80 percent for three lot classes. As a result, the HKIS updated Overview and released its second edition in June 2011.

Given the changes to the regime derived from Land Tribunal cases over the last 11 years, a working group was formed to publish a new edition. The Working Group on the Cap 545 Review (hereafter the WG) streamlined and enhanced the contents to make Overview more easily understandable to the general public.

Other major updates to the third edition of Overview include the following:

1. Mediation Obligation between Majority and Minority Owners
2. Reimbursement of Litigation Costs by Majority Owners
3. Exemption of Stamp Duty for Minority Owners

Moreover, the working group introduced a concise version of Overview in booklet format. It provides simple answers to many common questions asked by affected owners during a compulsory sale case. Both versions of Overview have been uploaded to the HKIS website. Members may download them for free at the links below:

Overview

<https://tinyurl.com/yyz5jchm>

Overview: Executive Summary

<https://tinyurl.com/y4xy23g4>

A press conference was held on 25 May to launch the third edition of Overview and was well-attended by various media outlets. During the conference, the GPD reported on the progress of the then-ongoing policy review, which was being undertaken by the same working group.

Policy Review of the Land (Compulsory Sale for Redevelopment) Ordinance

During the 2021 Policy Address, the HKSAR Chief Executive proposed lowering the compulsory sale application threshold under the Land (Compulsory Sale for Redevelopment) Ordinance (hereafter the Ordinance).

After six months of hard work, the WG issued its recommendation to the Development Bureau (DevB) on 21 June and held a press conference to discuss its findings on 22 June.

During the course of the policy review, the WG solicited the views of various stakeholders concerning the current compulsory land sale regime. They included the Real Estate Developers Association of Hong Kong (REDA), professional members of the GPD and BSD, and a community outreach organisation.

To examine if the current regime provided adequate protection to minority owners, the WG carried out a study, among others, which featured:

- 1) A Replacement Flat Test
- 2) A Review of Final Offers vs Apportioned Reserve Prices
- 3) A Review of the Objections to Compulsory Land Sales

Based on the findings of the stakeholder engagement and various studies, the WG identified areas for improvement in the current regime and put forward six suggestions to the Government:

1. Lower the compulsory sale threshold.
2. Review the restrictions on lot applications.
3. Establish an appeal mechanism and allocate additional resources to the Lands Tribunal (LT).
4. Establish reasonable vacant possession delivery requirements and minimise the impact of missing owners.
5. Provide financial assistance to minority owners to protect their interests.
6. Enhance the role of surveyors.

The WG supports the Government's proposal to lower the threshold for a compulsory sale application for "three-nil buildings," or buildings that are at least 60 years old, to address pressing problems that arise from the lack of building management and maintenance, especially for buildings with obsolete sewerage systems and outdated means of escape, which pose fire hazards.

By increasing the public's understanding of the compulsory land sale regime, the Government can better safeguard the interests of majority and minority owners. As such, I gave interviews to TVB and Metro Radio to discuss the regime

and promote the significance of surveyors in compulsory sale cases. The TVB interview was aired during its News Magazine programme (《新聞透視》) on 18 June.

For the same purpose, I wrote an article on urban renewal, which was published by the Hong Kong Economic Times on 27 June.

On 19 October, I was pleased to hear the new Chief Executive, in accordance with the WG's advice, propose lowering the compulsory sale thresholds in his 2022 Policy Address. Thus, the application thresholds for private buildings aged 50-69 years would drop from 80 to 70 percent of ownership and further to 60 percent for those aged 70 years or above. For industrial buildings in non-industrial zones, the threshold would drop to 70 percent of ownership for buildings aged 30 years or above.

The Government will also relax the requirements on compulsory sale applications covering abutting lots, streamline the legal procedures for compulsory sales, and set up a dedicated office to provide additional support to affected minority owners.

I recognise the tremendous contributions made by WG members. Apart from myself, members of the working group include Sr Leo Cheung, Sr Dorothy Chow, Sr Ken Chung, Sr Anne Lam, Sr Alvin Leung, Sr Paul MH Li, and Sr Joel Teh.

Proposed Amendments to the Compulsory Sale Regime

For the purpose of discussion on 22 November by the LegCo Panel on Development, DevB published a paper outlining its proposed amendments to streamline the compulsory sale regime.

The Government is currently undertaking a stakeholder engagement exercise to gauge the public's views on its proposal. It aims to

propose an amendment to LegCo in the latter half of 2023.

DevB's paper was uploaded to the LegCo website under reference LC Paper No CB(1)776/2022(05). It can be downloaded at the link below:

<https://www.legco.gov.hk/yr2022/english/panels/dev/papers/dev20221122cb1-776-5-e.pdf>

Members are invited to offer their comments to the GPD Council by e-mailing alnwickchan.hkis@gmail.com or writing directly to DevB.

On this matter, I will conduct a face-to-face CPD on 20 December 2022 at the SLC. Please register early, as seats are limited to 90.

approval process before suggesting ways for the Planning Department (PlanD) and Town Planning Board (TPB) to resolve such issues.

3) Excessive Requirements of New Tender Sites

This paper reviews the land sale conditions for the: (1) provision of public car park and GIC facilities and (2) different impact assessments over the past three financial years (2019-2022).

A total of 36 tender documents were reviewed including three unsuccessful tenders. The Panel recommends several areas for improvement including building covenant periods and lease covenants pertaining to multi-use facilities such as Government accommodations and public car parks.

I thank all members of the Land Policy Panel who worked diligently to prepare these policy reviews under the direction of Sr CK Lau.

Land Policy Panel

The HKIS Land Policy Panel issued three policy review papers to the Government on the following subjects:

1. Unreasonable Car Park Requirements for New Developments

This paper sets out the HKIS's views and concerns over the unreasonable car park requirements endorsed by the Transport Department for new developments, particularly small sites with deep basements.

The document also makes recommendations, including those that modify the Hong Kong Planning Standards and Guidelines, to account for various site areas and building uses, as well as reviews the GFA concession for aboveground car parks with the goal of encouraging developers to build more parking spaces on sites with suitable attributes.

2) Lengthy Planning Approval Process

This study aims to identify areas of delay and problems of "comments" in the planning

Remuneration of Professional Fees by Stage Payment

Occasionally, LandsD tenders contracts for the valuation of compensation arising from land acquisitions and resumptions to general practice surveyors in private practice.

According to past consultancy contracts, the Government would only make a full payment when a case concludes. For example, for an LT case, the Government will pay its consultant when the case concludes without an appeal, which could take years. Such an arrangement has caused concern and cash flow issues among many surveyors in the industry.

Along with fellow GPD delegates, I met with LandsD representatives to discuss this matter in 2021. The GPD recommended that the

Government consider stage payments as a possible solution.

In June 2022, the LandsD decided to revamp the payment arrangement and began to implement stage payments for new contracts based on the progress of the consultancy services. This new arrangement is seen as fair and vastly improved over the prior procedure.

On behalf of the GPD, I thank the responsible LandsD assistant director for his wise decision and heeding the views of industry representatives.

Pop Quiz

Social distancing measures have prevented the GPD from hosting large-scale gatherings since the beginning of the pandemic.

On 20 July, the GPD held an online pop quiz and offered prizes such as cash coupons and/or whiskey to the winners.

I applaud the organisers, hosts, and HKIS administrative staff for putting together such a fantastic event via Zoom. Particular appreciation goes to Sr Chris Chan, Sr Kason Cheung, Sr Jason CS Chan, Sr Tracy Wong, Sr Cara Ng, Sr Camman Chan, and Ms Sharon Cheung.

Discussion between DevB and the HKIS

I am pleased to see that DevB has been closely collaborating with industry professionals to advance Hong Kong's future development.

On 2 August, it invited me and other HKIS delegates to exchange views on issues pertaining to the property industry. The meeting was convened by the Secretary for Development, Ms Bernadette Linn.

1) Streamlining Statutory Procedures

I was pleased to hear that DevB would prioritise the streamlining of the statutory procedures. The Secretary also informed attendees that DevB had heeded feedback from various stakeholders during earlier consultation sessions. It intended to submit legislative amendment proposals to LegCo before the end of 2022.

2) Streamlining Administrative Procedures

The Secretary advised that DevB hoped to also streamline administrative procedures next year. She invited the HKIS to submit recommendations to DevB for its consideration. DevB shall consolidate all views from the HKIS, Hong Kong Institute of Architects, Hong Kong Institute of Planners, and the Real Estate Developers Association of Hong Kong before deciding on the necessary changes.

3) Expediting Urban Redevelopment

DevB endeavors to expedite Hong Kong's urban renewal with the help of the URA and private sector. It commended the HKIS for submitting its recommendations following a policy review of the Land (Compulsory Sale for Redevelopment) Ordinance (Cap 545).

During the meeting, I brought up the implication of the Court of Final Appeal's decision in the case of Fully Profit (Asia) Limited vs The Secretary for Justice for and on behalf of the Director of Lands (FACV 17/2012). The "House" restriction in Government leases has led to more uncertainties over redevelopment projects throughout the years and slowed down Hong Kong's urban renewal process. DevB took note of the issue and will address the industry's concerns.

4) Creating Opportunities for Youth

The Secretary also discussed the opportunities for younger Hong Kongers in the city and GBA. The HKIS urged the Government to provide younger surveyors with more opportunities to work in Government projects.

At the DevB's invitation, the GPD submitted the CVs of several young surveying professionals for possible appointment to the Government's various advisory panels, committees, and work groups. The HKIS wishes to collaborate with the Government to mentor the next generation of competent surveyors in Hong Kong.

I express my gratitude to Sr Leo Cheung and Sr Alex Fong of the Education Committee, Sr Jason CW Chan of the HKIS/RICS Working Group, and all voluntary assessors for their contributions over the past year.

GPD Annual Conference

The GPD Annual Conference 2022 held on 15 October was a huge success with over 400 participants turning up physically and virtually. The GPD sincerely appreciated the participation of its Guest of Honour, Mrs Regina Ip Lau Suk-ye, GBM, GBS, JP, and all esteemed speakers. I extend my gratitude to the Organising Committee under the leadership of Sr Alexander Lam. The committee worked tirelessly to ensure that the landmark event's success. Other members of the committee included Sr Andrew Chan, Sr Charles Chan, Sr Kelly Lam, Sr CK Lau, Sr Paul MH Li, and Sr Joel Teh.

CPD Events

A total of 15 CPDs have been organised by the CPD Panel and generated around \$200,000 in income for the GPD. A big thanks go to Sr Alvin Leung, Sr Jason CS Chan, Sr Paul MH Li, Sr Jason Kwong, Sr Jeffrey Wong, and those who participated in this worthy and profitable cause.

New Members

This year, the Education Committee, under the leadership of Sr Leo Cheung and Sr Alex Fong, continued to ensure that all examination-related venues provided adequate social distancing.

By strictly adhering to the Government's social distancing guidelines, the APC Part I Assessment was successfully held on 8 and 15 October. In total, 27 candidates sat for the Part I Assessment, while 48 attempted the Professional Task written assessment. Sixty-three candidates have applied to sit for the Part II Assessment in December 2022.

Under the Memorandum of Mutual Recognition of Membership, the HKIS admitted ten new members who were also RICS corporate members this year.

Valuation Liaison Meeting with the Lands Department

In keeping with the Government's aim to streamline Hong Kong's development process, representatives of LandsD's Valuation Section and the GPD met on 12 October. The established premium appeal protocol adopted by LandsD was one of the main subjects of discussion.

Delegates from the GPD included Sr Ken Chung, Sr Jason Kwong, Sr Anne Lam, Sr Alvin Leung, Sr Paul Li, Sr Joel Teh, Sr Kent Yeung, and myself.

While surveyors from the public and private sectors adopt the same residual valuation method to calculate 'Before' and 'After' values in lease modification cases, they often hold different views of the appropriate valuation assumptions.

The GPD took this opportunity to request more transparent discussions with the Valuation Section on valuation parameters, especially during the appeal process. It also encouraged

LandsD to engage with applicants during the early stages of the appeal process to narrow down variances and, hopefully, reach mutual agreements on the premium assessment sooner.

GPD Christmas Gathering 2022

The GPD has planned a Christmas celebration for 19 December 2022 at the Alto Bar & Grill, 31/F, V Point, 18 Tang Lung St. I look forward to reconnecting with members after several Covid-19 waves in Hong Kong.

Acknowledgement

The Annual General Meeting was held on 16 November and concluded my third year as Chairman. I want to thank all GPD Council Members, co-opted members, and YSG representatives for giving their time, knowledge, and resources over the past 36 months. The GPD's continued prosperity testifies to the Council's passion and commitment.

I will not seek re-election when my current term, which ends in November 2023, expires. Those who are considering becoming the next GPD Chairman are encouraged to express their interest in the coming months with the backing of the Council and other GP surveyors.

Finally, I want to express my gratitude to all GPD members for their unwavering support as the GPD continues to broaden its influence as general practice surveyors throughout Hong Kong and the GBA.

Members Corner Needs Contributions from You!

Editorial Board invites articles for the Members Corner, a regular column in *Surveyors Times* for members to share their views on current topics and future trends, implications of new technologies and recent court decisions, the sharing of lessons learnt in members' professional practices, the highlights of new practice notes, the introduction of practical apps and ideas gained during members' recent gatherings with fellow professionals, good-natured and industry-related humour, etc.

An article need not be restricted to the professional practice of a surveyor, but neither is it intended to express a member's views on everything. It should connect or have implications for fellow members, be they serious thoughts on the constitution or future of the profession or simply as a gadget or trick that can benefit the day-to-day practices of surveyors. Articles should not be political or directly related to one's personal benefit for fear of litigation from individuals or organisations. The sensitivity and security of information presented also need to be borne in mind.

House rules:

- Articles should not be academic.
- Articles from the same author(s) will not be published consecutively for more than two issues within a six-month period.
- The final decision on publication or otherwise rests with the *Surveyors Times* Editorial Board.
- Word limit: 1,300 words
- Format: Word file via email to steditor@hkis.org.hk
- Credential: Author's name, designation (FHKIS/MHKIS, not any other*), division affiliation(s)

*For HKIS corporate members' submission only





Land Surveying Division
Sr Paul Tsui LSD Council Chairman

LSD Annual General Meeting 2022

The LSD's AGM 2022 was successfully held on 22 November at the Surveyors Learning Centre with 20 Corporate Members in attendance. During the meeting, I summarised the Chairman's Report, which reviewed the achievements and tasks accomplished by the LSD Council during 2021-2022. For the full LSD Chairman's report, please pay attention to the publication of the HKIS Annual Report 2022, which will come out soon.

Also during the AGM, the Honorary Treasurer presented the LSD's annual financial report, which showed that the division's finances were in good shape.

While the last Divisional Council retired at the AGM's conclusion, the 2022-2023 Divisional Council was elected and inaugurated during the event. Its Officers and Members are as follows:

Chairman	TSUI Hoi Yuen
Vice Chairman	CHU Siu Ki
	LAU Chi Kwong
Honorary Secretary	HAU Wing Shuen
Honorary Treasurer	CHEUNG Yue Yan
Council Members	CHAN Chi Hung
	CHAN Yue Chun
	FU Hei Kan
	HO Ka Yan
	KWAN Shuk Fan
	LAI Lit Ki
	Lily LEUNG Yi Tak
	Li Tze Hoi
	SHUI Hung Hing
	Kenneth SO Man Cheong
	TANG Hong Wai
	TANG Wing Lun
	Michael WONG Kin
	WONG Pak Wai
WONG Wing Yin	
WU Bo	

I am very pleased to be elected LSD Council Chairman for one more term. I thank all officers and members for joining me to serve the Division and all LSD members in the coming year.



LSD AGM



Caption: Newly elected LSD Council 2022-23

Vote of Thanks to Outgoing LSD Council

I take this opportunity to express my sincere gratitude to all Council Members for serving the LSD during 2021-2022. Without their hard work and support, it could not have achieved so much over the past year. Particular thanks go to the members of the LSDEC led by Sr Ben CHOW and all APC assessors for keeping the LSD's APC assessments running smoothly and properly. Moreover, I convey my heartfelt thanks to members of the task force for revising the Guidance Notes for Land Boundary Survey led by Sr Alex CHU, which drafted the revised Guidance Notes and successfully organised the EGM. Finally, I show my deepest appreciation for members of the Organising Committee led by Sr CK LAU, the student helpers, HKIS Office staff, and the LSD Annual Conference 2022 Organising Committee for making the event successful.

Season's Greetings

As Hong Kong gradually recovers from the pandemic, people's daily lives and business start to return to normal. I take this opportunity to wish all LSD members a Merry Christmas. I hope all of you and your families can enjoy a joyful and warm Christmas holiday during this festive season.

CPD Highlights

Virtual Site Visit to Trunk Road T2 and Cha Kwo Ling Tunnel (Engineering Survey)

On 12 November, a joint virtual site visit cum CPD occurred. Co-organised by YSG and the LSD, land surveyors from the CEDD and Survey Team of Trunk Road T2 and Cha Kwo Ling Tunnel presented applications of various technologies in relation to both TBMs and drill-and-blast tunneling including LiDAR scanning for enhanced productivity in survey work, global navigation satellite system (GNSS) positioning for real-time 3D monitoring of sensitive structures with high accuracy and reliability, and interferometric synthetic aperture radar (InSAR) for comprehensive ground settlement surveys, especially in areas that are difficult to access.

LSD Chairman Sr Paul TSUI appreciated the young surveyors' efforts to arrange this virtual CPD and encouraged them to explore different disciplines and embrace new opportunities and challenges with geospatial technologies.



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November. Experienced surveyors from both the public and private sectors delivered talks on the ten LSD competency areas.

Competency Area	Speaker
Cadastral Surveying	Sr LEE Yiu-hing
Mapping and Cartography	Sr Yvonne KONG
Geographic Information Systems	Sr Eric CHEUNG
Building Information Modelling	Sr Alvin CHEUNG
Hydrographic Surveying	Sr LAM Kai-wing
Engineering Surveying	Sr Felix LAM
Topographic Surveying	Sr Felix LAM
Utility Surveying	Sr Vicky CHAN
Geodetic Surveying	Sr Kenny CHAN
Photogrammetry and Remote Sensing	Sr LAM Chi-mei

Sr Paul TSUI thanked all speakers, the LSDEC, and Sr YC CHAN for organising this workshop to provide a forum for candidates to know more about the principles and practical knowledge of the competency areas for land surveyors. Paul concluded his remarks by pointing out the indispensable role of land surveyors and encouraging probationers to work harder to pursue their professional dreams.

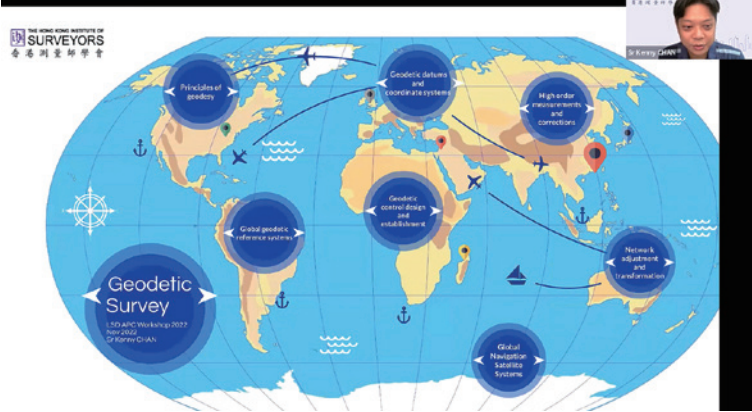


Workshop for the LSD APC Part I Written Assessment 2022

A full-day workshop for the LSD APC Part I Written Assessment 2022 was held on 19



LSD APC Workshop 2022 - Geodetic Survey (Part 1) 2022



Workshop for the LSD APC Part I Written Assessment 2022

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HKIS 35th Anniversary Cap

HK\$35 (Member price)



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Planning & Development Division
Sr Terence Wai PDD Council Chairman

Season's Greetings

The PDD wishes all members a Merry Christmas and Happy New Year.

PDD Annual General Meeting 2022

The PDD Annual General Meeting was held on 10 November at the World Trade Centre Club Hong Kong, World Trade Centre, Causeway Bay. The Chairman's and Honorary Treasurer's Reports were delivered during the meeting.

PDD Annual Report 2021-2022

A summary of the Chairman's Annual Report is listed as follows:

1. In Memory of Sr Edwin Tsang

PDD Founding Chairman Sr Edwin Tsang (served 2006-2009) passed away on 11 July. He had also served the HKIS since 1986 and was very instrumental in setting up the BA in Urban Studies Programme at the University of Hong Kong and serving as its first external examiner (2012-2016).

2. Membership Profile

In the past year, the PDD gained a total of four new Corporate Members through multiple membership applications or professional interviews by the RICS's Planning and Development Professional Group. The total number of PDD Corporate Members was 108 as at 3 November 2022.

The membership profile of the PDD is as follows:

Membership Class	Number of Members
Fellow	45
Corporate	63
Probationer	16
Student	9

3. PDD Annual Conference 2022

Due to the Covid-19 pandemic, the PDD's Annual Conference was cancelled from 2020 to 2021. This year, it successfully resumed with the topic, "Urban Renewal Strategy in Asian Cities: Hong Kong, Singapore and Guangdong".

The PDD invited speakers from: (1) Hong Kong – Executive Director, Urban Renewal Authority and Assistant Professor, University of



PDD Annual General Meeting - (L-R): Sr Jasmine Kong, Sr Victor Ng, Sr Terence Wai, Sr Annie Chong, and Sr Junior Ho



PDD Annual General Meeting with Council Members and Co-opted Members

Hong Kong, (2) Singapore – President of the Singapore Institute of Planners, and (3) 馬向明總工程師 — 廣東省城鄉規劃設計研究院有限責任公司。

PDD anticipates enjoying more collaboration in other areas such as CPDs, seminars, etc, with the above institutes.

4. Drinks Gathering and Welcome Party for New Members

The PDD organised a social and drinks gathering event on 10 June at the West Kowloon Cultural District. It was a good time for long-time and newer members to mingle and visit the M+ Pavilion.

5. PDD Mutual Recognition of Membership with the Royal Institution of Chartered Surveyors

On 6 December 2021, the PDD entered into a Memorandum of Mutual Recognition of Membership with the Royal Institution of Chartered Surveyors (RICS).

PDD Corporate Members who successfully fulfil the requirements could now be admitted as professional RICS members (Chartered Planning and Development Surveyors). Likewise, RICS professional members who qualify as Chartered Planning and Development Surveyors and fulfil the requirements may be admitted as PDD Corporate members.

The first professional interview for RICS applicants was held on 30 August.

6. Signing Ceremony of a Memorandum of Understanding with the Singapore Institute of Planners (SIP)

On 25 November 2021, the PDD and SIP signed a Memorandum of Understanding for future cooperation and sustainable professional development.

A joint webinar was held after the ceremony. Sr Patrick Tsang of the Hong Kong Housing Society shared the latest designs of accessible and adaptable domestic unit prototypes.

Ms Cerina Auggraini from Mott MacDonald, Singapore, showed how to design a low-carbon, age-friendly neighbourhood.

7. 規劃及發展組與廣東省國土空間規劃協會簽署「深化粵港合作框架協議」(續簽)

規劃及發展組於 3 月 4 日在線上與廣東省國土空間規劃協會簽署「深化粵港合作框架協議」。

自 2018 年雙方簽訂第一份框架協議後，雙方都分別安排了一些互訪及交流活動，彼此對兩地之間的發展有了更深入的了解及認識。

在簽訂儀式後，兩地的講者及專家都分別就香港及廣東省最新的規劃及發展進行分享及交流。

香港方面，規劃及發展組前主席姚逸明測量師以「把握『北部』新機遇，打造灣區世界級城市群」為題，闡述了北部都會區的發展目標和行動綱領，大灣區未來經濟發展的格局、挑戰和機遇及兩區將來的經濟共振與集聚效應。

而廣東省的 3 位專家及講者 - 羅勇總規劃師、黃鼎曦副會長及趙迎雪秘書長亦分別就廣東省及深圳市的城鎮化發展、存量規劃、增量規劃及投資機遇等議題發表意見。

8. Forum on Legislative Proposals to Streamline Development – Related Statutory Processes

On 13 April, the PDD was honoured to invite Ms Bernadette Linn, JP, the Permanent Secretary for Development (Planning and Lands), to brief members on the Government's latest thoughts on a range of legislative proposals to streamline development-related statutory processes.

The ultimate aim is to expedite the supply of developable land and address the persistent demands for housing.

9. Re-accreditation of HKU's Department of Urban Planning and Design's Bachelor of Arts in Urban Studies (BAUS) Programme

On 5 July, the HKIS General Council endorsed the Board of Education's recommendations on the re-accreditation of BAUS as a cognate degree programme for five more years.

10. Beyond Your Campus Competition 2021-2022 Workshop: Walkthrough from Planning to Development – Visit to City Gallery and Central Market

The PDD hosted a half-day event on 28 May for 20 secondary school students who entered the Beyond Your Campus Competition and aspired to unleash their creativities to design the ideal community around each of their campuses.

The event consisted of guided visits to City Gallery, an interactive exhibit that showcases Hong Kong's urban planning efforts, and Central Market, a revitalised historical building that epitomises how developments have transformed along with society.

11. Outreach of Council Members

Date	Events	Council Members
26-11-2021	Mrs Paula Lam Au-Yeung Scholarship 2020-2021 Awards Presentation Ceremony for Students of the BSc (Hons) in Surveying, Technological and Higher Education Institute of Hong Kong	Sr Terence Wai
03-12-2021	Celebration of the 20 th Anniversary of the Establishment of the Hong Kong Coalition of Professional Services Seminar cum Luncheon	Sr Terence Wai
03-03-2022	Reimagining Public Spaces in Hong Kong: Feasibility Study – Virtual Stakeholders Forum	Sr Terence Wai Sr Junior Ho
16-04-2022	香港規劃師學會網上研討會 – 再思市區重建：由油旺研究透視重建策略	Sr Terence Wai
17-08-2022	Student Orientation for the Bachelor of Arts in Urban Studies Programme, University of Hong Kong	Sr Victor Ng Sr Junior Ho Sr Tyler Chan Sr Michelle Yeung

12. PDD CPD Events

Many thanks go to the PDD's CPD Convenor Sr Victor Ng, Honorary Secretary Sr Junior Ho, and other council members who spent much time and effort organising 16 CPDs for the PDD during 2021-2022. Most of the events were very popular.

PDD Annual Dinner 2022

With the relaxation of certain social distancing measures, the PDD organised its Annual Dinner on 10 November at the World Trade Centre Club after its Annual General Meeting.

It invited Sr Tony Tse, BBS, and President Sr KK Chiu as its guest speakers. The dinner was well-attended by EC members, guests, friends, and PDD members. Everyone had a joyful and happy evening.

Thanks go to the organising committee members Sr Annie Chong, Sr Victor Sung, Sr Victor Ng, Sr Icy Choi, and Sr Michelle Yeung, as well as the HKIS staff for making this event successful.



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PDD Annual Dinner 2022

PDD CPD Event: Current Development of Hydroponics in Hong Kong

On 9 November, the PDD invited Dr Lee Yiu Yiu, Agricultural Management Officer (Farm Modernisation) of the Agriculture, Fisheries and Conservation Department, to share with members the latest hydroponics developments in Hong Kong. Dr Lee introduced the recently-launched Controlled Environment Hydroponic Research and Development Centre Phase 2 and new technologies adopted including vertical mobile cultivation racks, a modular automatic seeding robotic arm, and an aeroponic cultivation rack. It also discussed the possible technical challenges when commencing

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hydroponics cultivation in Hong Kong and the assistance that the Controlled Environment Hydroponic Research and Development Centre can offer to interested parties.



Sr Junior Ho and Sr Michelle Yeung welcome Dr Lee to share with members the latest hydroponics developments in Hong Kong.



Dr Lee shares his collaborative experiences with the local research institute on hydroponics.



Junior, Michelle, and Dr Lee discuss the potential challenges to hydroponics cultivation.

PDD CPD Event: Structural-Grade Lightweight Steel-Concrete MiC System and Innovative Construction Material

On 23 November, the PDD invited Dr Ivan Sham, Chief Commercial Officer of Nano and

Advanced Materials Institute Limited (NAMI), to discuss the topic, "Structural-Grade Lightweight Steel-Concrete MiC System and Innovative Construction Material". NAMI is a research and development centre for nanotechnology and advanced materials that was incorporated in 2006 as an HKUST subsidiary that offers frontier-applied research on advanced materials and technology transfers for commercial purposes.

Dr Sham shared the material properties of the new structural-grade lightweight concrete, which is 40 percent lighter than ordinary concrete of the same strength, and has excellent insulation and fire-resistant properties. It can be used on external walls and last for up to 50 years.

Dr Sham also introduced the hybrid steel-concrete MiC system. With the use of new structural lightweight concrete on slabs and walls, modular weight can be greatly reduced. This is the first hybrid MiC system in Hong Kong to use structural lightweight concrete with a steel frame and the Buildings Department has granted the system In-Principle Acceptance (IPA) status.

During the Q&A session, PDD Vice Chairman Sr Annie Chong briefly discussed with Dr Sham the future prospects for this new material in other MiC and prefabricated elements. Dr Sham said that NAMI was exploring its feasibility for MiC shear walls on high-rise buildings to enhance their design.



Sr Terence Wai (left) and Sr Annie Chong (right) present a souvenir to Dr Ivan Sham (middle).

PDD CPD Event: Site Visit to the HKUST Shaw Auditorium

On 12 November, the PDD had the privilege to visit a new landmark at HKUST: the Shaw Auditorium, which is not normally open to the public. Mr Sam Tsen, HKUST Project Manager; Mr Ivan Chan, Technical Director of MEP Consultants; and Mr KK Kwok, an acoustic consultant, guided members on a tour of this amazing facility.

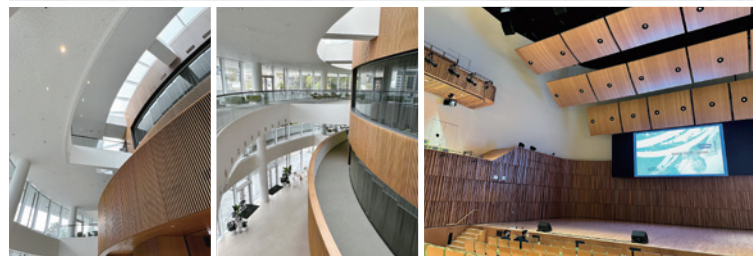
The auditorium is inside a new four-storey building that serves as a learning and gathering hub where various activities can be held. Members had no doubt that many visitors would be captivated by the iconic three-ring elliptical appearance of its exterior, which was designed by Henning Larsen Architects. However, the building is much more than an architectural beauty.

Most impressive of all is the brilliant design that allows the Auditorium to adapt to diversified operations including concerts, conferences, theatrical performances, banquets, exhibitions, congregations, etc. Its retractable seats and adjustable platform allow for a switch between “flat floor” and “raked seating” modes. Great efforts were made to manage noise to achieve excellent acoustics (NR20), while special consideration went into designing its mechanical and electrical systems to enable its flexible uses.

Besides achieving a BEAM Plus Platinum Grade, the auditorium, with ample natural lighting, sustainable materials, and integration between its interior and exterior spaces, offers a leisurely, but energetic, environment that fosters creativity.



(L-R): Sr Terence Wai, Mr Ivan Chan, Mr Sam Tsen, Mr KK Kwok, and Sr Annie Chong



HKUST's Shaw Auditorium

Interior of the Shaw Auditorium



Members Outside the Shaw Auditorium



Property & Facility Management Division
Sr Charles Hung PFMD Council Chairman

PFMD Annual General Meeting

The PFMD's Annual General Meeting was successfully held on 1 November at the Surveyors Learning Centre with about 20 members present. Chairman Sr Charles Hung summarised the division's annual report by outlining its major activities including external connections and social activities, education, and over 30 CPDs with overwhelming support from members.

The Honorary Treasurer, Sr Amy Tang, reported a healthy divisional account. The Chairman expressed his sincere thanks to the Council and other members of the division for their full support and helping the PFMD enjoy a successful year.

The meeting concluded with a group photo.



Meeting with the Hong Kong Institute of Housing (HKIH)

On 18 October, Sr Charles Hung met HKIH President Ms Patricia Chang during the HKIH annual dinner cum HKIH Elite Award Presentation Ceremony at the Hong Kong Convention and Exhibition Centre. The Secretary for Housing, Ms Winnie Ho, delivered a speech on the excellent contributions of property management professionals and HA's core values with the 4Cs: customer focus, caring, creativity, and commitment.

The Elite Awards acknowledge and appreciate property managers' hard work and high standards of professionalism to improve Hong Kong's living environment. They provide an extra incentive to property management professionals and practitioners to continue their good work. The event was successful and provided a good opportunity for practitioners to network with their peers.



Ms Winnie Ho, Secretary for Housing



(L-R): PFMD Chairman Sr Charles Hung and HKIH President Ms Patricia Chang

Professionalism and Integrity of Property Management Services

Sr Charles Hung and Sr Patrick Leung attended a seminar jointly-organised by the ICAC and PMSA (Property Management Services Authority) on 25 October at ICAS headquarters. The topics discussed included the importance of rules on anti-corruption measures and risk management associated with finance including its educational aspects. It also updated us on the latest developments in security services including some advanced technologies.

The seminar was well-received with over 150 participants, who shared their experiences with the speakers during the Q&A sessions.

Innovative Decarbonisation Technology to Improve Energy Savings in Buildings

Reported by PFMD Co-opted Council Member, Sr Nick Pang

A CPD on the above topic was held on 15 July. Climate change is one of the world’s biggest challenges. The Paris Climate Conference agreed to try to limit global warming increases to 1.5°-2° Centigrade. Mechanical ventilation and air-conditioning units usually consume the most energy in commercial buildings. Mr Kenny Chan, Technical Consultant for Solar Farm Hong Kong Limited, shared the latest technology, graphene nanomaterial, which recovers the heat exchange capacity of coils from air-cooled chillers with anti-corrosion functions to improve their performances. The coating can enhance thermal conductivity and produce a protective layer against corrosion. Some commercial buildings in Hong Kong have used this technology to enhance their performances with remarkable outcomes.



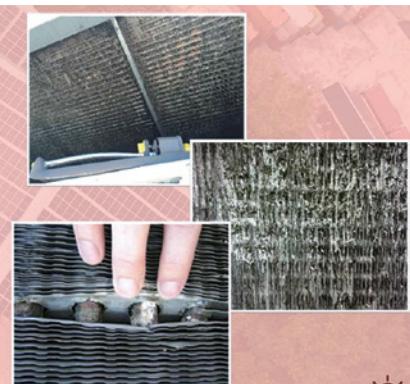
(L-R): PFMS Council Member Sr Patrick Leung, PFMD Chairman Sr Charles Hung, Assistant Director/Corruption Prevention Mr Alpha Leung, and Hong Kong Institute of Certified Property Managers Chairman Dr Lobo Fung

The Problems

REALITY IN THE FIELD

Air-cooled heat exchangers are the heart of chiller systems. Weather, environmental conditions, dirt and debris are constantly damaging outdoor cooling equipment. Outdoor conditions cannot be managed, but maintenance can be. The U.S. Department of Defense studies^[1] have shown that within the first thirty (30) days, an outdoor uncoated coil can begin to lose operational efficiency due to corrosion and that anti-corrosive coatings can double the useful life of air-cooled condensing equipment.

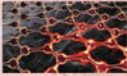
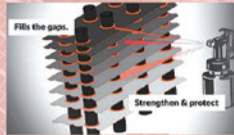
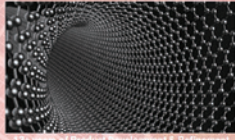
[1] Reference: 1. Beltelman, Alfred D, and Susan A Drozdz. "Demonstration of Corrosion-Resistant Coatings for Air-Conditioning Coils and Fins." DoD Corrosion Prevention and Control Program, June 2015.



Solution

Graphene Nanomaterial Technology

- Nano layers of conductive graphene
- Very high thermal conductivity
- Excellent heat conduction channel
- Polymer produces a stable corrosion protective conductive layer



Application to the metal surfaces of tubes and fins in a heat exchanger ensures the retention of a condenser's heat exchange capacity



Photovoltaic systems are a hot technology in Hong Kong with income generation potential. They are also a renewable technology. Mr Benny Lo, Solar Farm's Head of Finance, shared some completed projects with their estimated annual incomes and a self-cleaning coating for solar panels to improve their efficiency.

Solution on Solar Industry

Maintenance Technology Self-Cleaning Coating

Photocatalyst Superhydrophilic Physical Properties
1. No sticky dust / 2. Decomposition of organic matter such as bird droppings under sunlight



Solar Energy & Photovoltaic panel efficiency improvement > 20%



The PFMD is grateful to Solar Farm for coming to deliver such an interesting topic for enhancing facility management, as well as saving energy, which should benefit the community as a whole.

PolyU Alumni Reunion Day 2022

The Faculty of Construction and Environment's (FCE) Alumni Reunion Day at PolyU was held on 13 August to celebrate its 85th anniversary. Joining the event were PFM members who were among its highly-valued alumni: Sr Patrick Leung, an outstanding Young BRE Graduate who attained a BSc(Hons) in Property Management in 2009, and Sr Prof Eddie Hui, who leads the course. Apart from the warmest welcome speeches delivered by the President and Faculty Dean, the presentation ceremony for the FCE's Outstanding Alumni Award 2022 was officiated and followed by exhibitions and tours to show the faculty's latest facilities and achievements. The gathering also provided a good opportunity for alumni to re-connect with one another and encourage them to support each other's work in the years to come.



2nd from right: Sr Dr Sandy Tang, Scheme Leader, BSc (Hons) Scheme in Surveying and Built Environment
3rd from right: Sr Charles Hung, PFMD Chairman
5th from right: Sr Prof Eddie Hui
3rd from left (front row): Sr Shelley Chan, PFMD Council Secretary
2nd from left (front row): Sr Patrick Leung, PFMD Council Member
2nd from left (rear row): Sr Alan Siu, PFMD Council Member





Quantity Surveying Division
Sr Sunny Choi QSD Council Chairman

QSD New Members Welcoming Party at the Helena May (21 October 2022)

The QSD New Members' Welcoming Party is a heavily-anticipated event after each year's Diploma Presentation Ceremony for newly-qualified quantity surveyors. The QSD Council takes this opportunity to welcome its newest members, congratulate them on their successes, establish contacts and dialogue with them, exchange views on the profession and industry, and nurture their interests in its activities and those of the HKIS.

This year's party was held on 21 October at the Helena May, a gracious heritage building at 35 Garden Road, for the first time. This beautiful colonial building stands out as a superb example of Hong Kong's architectural heritage.

The party's Organising Committee, comprising OC Chairman Sr Johnson CHEUNG, Sr Amee TONG, Sr Karen NG, and Sr Aaron CHENG, diligently arranged a nice dinner with games and lucky draws for 50 new members who qualified in 2020 and 2022. QSD Chairman Sr Sunny CHOI joined the party via Zoom for its duration. Sr Serena LAU (HKIS Past President, 2011-2012) and Sr Tommy YIM (QSD Past Chairman, 1996-1997) joined as guests.

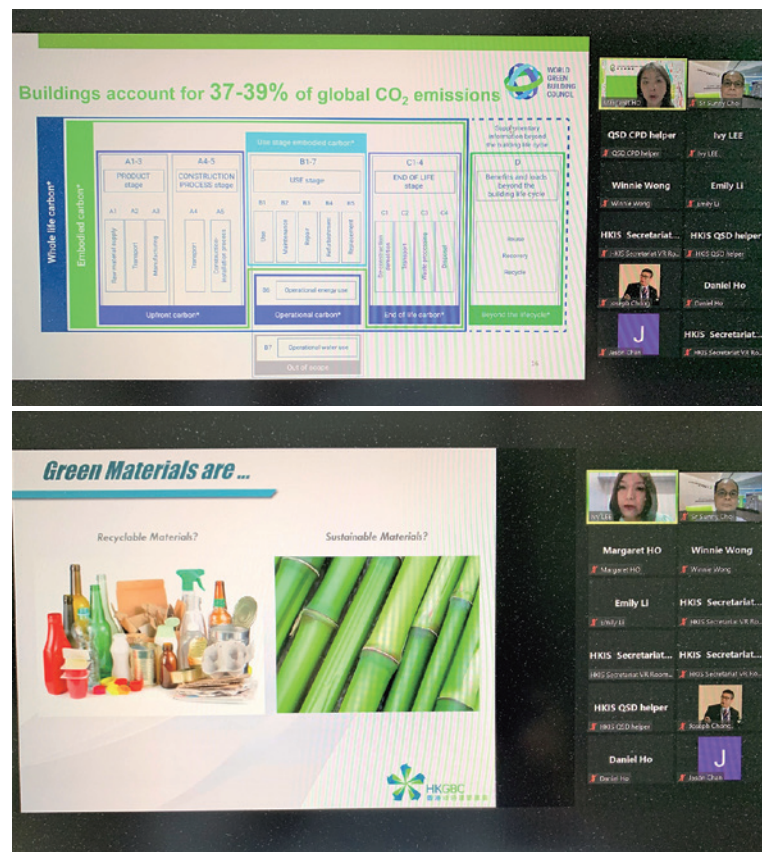


CPD: The CIC on Promoting Sustainable Construction (1 November 2022)

Sustainable construction has been a rapidly-evolving trend in Hong Kong's construction industry in recent years after the Government pledged to make the city carbon-neutral by 2050. As an industry that accounts for 39% of global carbon emissions, the construction industry should make relentless efforts to explore and adopt low-carbon solutions using a holistic approach from materials procurement to the design, planning, and construction processes. The different disciplines and expertise of building professionals should come together and practice sustainability in their everyday decisions.

The Construction Industry Council (CIC) endeavours to help local industry become more sustainable and has launched different tools and initiatives for the industry to go green.

During the webinar, the speakers (Ms Margaret HO, Manager, Industry Development – Environment and Sustainability, CIC, and Ms Ivy LEE, Senior Manager, Industry Standards and Practices, Hong Kong Green Building Council) covered the recent carbon neutrality trends and goals for the industry in both global and local contexts and elaborated on how various CIC tools, including the CIC Carbon Assessment Tool (CAT), CIC Sustainable Finance Certification Scheme (SFCS), and CIC Green Product Certification (GPC), etc, could help the industry become sustainable.



Communication Meeting amongst the DevB, ArchSD, ACQS, and QSD (7 November 2022)

The annual meeting amongst the DevB, ArchSD, Association of Consultant Quantity Surveyors (ACQS), and QSD was held on 7 November. HKIS Senior Vice-President Sr Paul WONG, Immediate Past Chairman Sr Amelia FOK, QSD Vice Chairman Sr Tim NGAI, Sr Rex YING, Honorary Secretary Sr Staw WONG, Honorary Treasurer Sr Eric TING, and I represented the HKIS.

During the meeting, the QSD raised grave concerns over the number of quantity surveyors available to meet the needs that had arisen from significant Government expenditures on public housing and infrastructure. A recent survey it conducted on QS manpower demands revealed a prevailing shortage of quantity surveyors in the city and insufficient QS graduates preparing to join the industry.

QSD Social Event: 珍珠首飾工作坊 (12 November 2022)

Thanks go to all QSD members for supporting the division, whose last social event of 2022 was successfully held on 12 November. From the anatomy of pearl oysters to pearl cultivation and the delicate relationship between the ocean and humans, members learnt about how oysters clean seawater, promote marine biodiversity, and rejuvenate Hong Kong's aquacultural industry. Pearl culture goes back 4,000 years and is part of the modern sustainable development initiative for the sea.

Overall, it was a very interesting and educational workshop.

After that, members all had fun discovering their unique pearls by shucking oysters and designing their own accessories with the pearls they harvested.

Thanks go to the Chairperson of the QSD Social and Welfare Subcommittee, Sr Karen WONG, and her team for their efforts in organising this event.

I look forward to seeing everyone again in 2023!





Young Surveyors Group

Sr Wilson Ko YSG Committee Chairman

YSG AGM 2022

On 18 November, the YSG AGM was held at the Surveyors Learning Centre. As the nominations for the new committee members exceeded the number of seats available, an election was conducted during the AGM. After counting 276 valid ballots out of 280 cast, YSG announced the election of the following members to serve as Office Bearers and Committee Members.

Chairman	Wilson KO Tak Yan
Vice Chairpersons	Leonie CHAN Yuet-man Tracy WONG Cheuk Sze
Honorary Treasurer	Gigi MOK Wan Chi
Honorary Secretaries	Mickey NG Nok Hang Aaron CHENG Man Chung
Immediate Past Chairman	Sunny WONG Kin Yeung
Elected Members	Stephanie AU Yuen Ling Camman CHAN Aaron CHAN Hei Long Stephanie CHAN Ka Wing Jennifer CHAN Lok Yiu Venus CHAN Wai Ching Tristan CHEUK Tansy CHEUNG Miki HAU Wing Shuen Rita KO Wing Yan KONG Ling Sang Linda KWOK Tsz Yan Iris MAK Nga Ching Cara NG Man Wai Coolidge SIU Wai Suen Edward TAM Ho Yin Amee TONG Yan Pui Jason WO Thomas WU Cheuk Lam Kanice YIP Ka Yan

I express my sincere gratitude to the HKIS; two scrutineers, Sr LEUNG San and Sr YIP Wai Lun; and all eligible members for attending the AGM to cast their votes.



Plan for 2022-2023: United X Infinity

The theme of YSG's upcoming term is "United X Infinity". I shared my views and plans during the AGM. As YSG Chairman, I want to strengthen the bonds between the Institute's younger surveyors via various YSG activities such as social gatherings, sport fun days, workshops, short trips, volunteer work, and social media interactions. I also want to unleash the potential of younger members. Youth implies unlimited

potential and through CPDs, short courses, and communications with external professional bodies/Government officials, I want to see all members advance their careers and achieve their goals.



YSG's Objectives

- To promote and enrich the professional, educational, social, and cultural lives of its members.
- To reflect the views and represent the interests of its members.
- To serve as a link between the Institute and its training grade members (Probationers and Students).

United · Infinity



社區 Community



創新 Innovative



橋樑 Bridge



多元 Diversity

Subcommittee to Study the Formulation of a Long-term Youth Policy and Development Blueprint

Sr Mickey NG, YSG Honorary Secretary, was invited to share his views on the topic, "Assistance

in Promoting the Upward Mobility of Young People," during a Subcommittee Meeting to Study the Formulation of Long-term Youth Policy and Development Blueprint session held on 19 November.

To promote the upward mobility of young people, especially young professionals, Mickey discussed how youth policy should address the need to: (i) create numerous career and entrepreneurial opportunities for young people; (ii) engage them when formulating policy; and (iii) encourage them to contribute to their local communities.

Young people are the future of Hong Kong. YSG looks forward to the release of the coming Long-term Youth Policy and Development Blueprint and will consolidate its members' views and submit them to the relevant parties through different possible means.



promoting upward mobility of young people 助力青年向

Upcoming Events

Event	Date
Career Talk to BRESS at PolyU	24 November 2022
Career Talk to DESS at THEi	30 November 2022

Reported by Sr Gigi Mok,
Committee Member of Senior Members Committee

60 Fan Club: Visit to the Construction Industry Council's (CIC) i-Hub (29 October 2022)



1. Visit to a Zero Carbon Building
2. Souvenir Presentation to Mr Leo LI, Manager, Industry Development, Construction Innovation and Technology Application Centre, CIC
3. Group Photo
4. IoT Smart Helmet for Improving Site Safety Management and Enhancing Construction Site Safety and Health
5. Location Tracking and Utilisation Monitoring for Undertaking the Preventive Maintenance of Construction Equipment
6. Control Centre for Location Tracking and Utilisation Monitoring

7. Non-destructive Testing Method for Concrete Maturity to Monitor the Concrete Curing Process
8. Wearable Human Augmentation for Reducing the Load on Shoulder Joints and the Risk of Injury during Overhead Work
9. Material Used for MiC Inside the Mock-up Room
10. Construction of a Suspended Ceiling Opening Display
11. MiC Project: Relocation of the Shatin Sewage Treatment Works to Caverna
12. Chun Wo MiC System and Wall Connection Technology Developed by Chun Wo and P&T
13. Adaptive Torque System and MT Modular Support System
14. E&M Fire Stop
15. Group Photo at the MiC Resource Centre

HKIS CPD/PQSL/SOCIAL EVENTS SUMMARY

1 DEC - 4 FEB
2022 - 2023

DATE	CODE	EVENT	SPEAKER(S)	ORGANISER	CPD HOUR(S)	Recognised Divisional PQSL Event	Divisional PQSL Hour(s)	Reservation Fee
1 Dec 2022	2022119	Design of DFMA façade for The Tseung Kwan O Desalination Plant 將軍澳海水化淡廠 - 組裝合成外牆的里程碑	Oskar Ng, Alice Chan	BSD	1.5	✓	1.5	HK\$150 - members; HK\$180 - non-members
2 Dec 2022	2022172	Experience Sharing on Biotechnology for Sewage System Anti-Clogging and Odor Removal, and its Contribution to ESG Policies New	Jason Wong	PFMD	1.5	✓	1.5	HK\$150 - members; HK\$210 - non-members
3 Dec 2022	2022170	Understanding Projects for Health Services in Hong Kong Series [Seminars and Visits] – Site Visit One: Site visit to Design and Construction of Hospital Authority Supporting Services Centre (HASSC) in North Lantau	The representative(s) of Dragages Hong Kong	BSD	1.5	✓	1.5	HK\$150 - members; HK\$180 - non-members
3-Dec-22 & 10-Dec-22	HKIS/ S/202213	樂齡俱樂部: 桌球體驗班 New	-	HKIS	-	-	-	免費 - 60歲或以上會員; HK\$150 - 60歲以下會員
5 Dec 2022	2022100	Integrity Capacity Building Workshop – Corruption Prevention in Contract Administration	Representative(s) from ICAC	HKIS	1.5	To be determined by respective Division		HK\$80 - HKIS members only
6 Dec 2022	2022152	Good Painting Practice	Daisy Wong, Isabel Pang	BSD	1.5	✓	1.5	HK\$150 - members; HK\$180 - non-members
6 Dec 2022	2022171	BIM Conference 2022 New	Please refer to website	HKIS	3.0	✓	3.0	HK\$580 - members; HK\$880 - non-members
7 Dec 2022	2022129	Deep Foundation – Bored Pile Foundation Techniques and Benefits	Steve W N Wong, Alex L Y Wong	BSD	1.5	✓	1.5	HK\$150 - members; HK\$180 - non-members
10 Dec 2022	2022181	Peer Counselling workshop New	崔永豪醫生, 黃敏信先生	QSD	3.0	To be determined by respective Division		Free of charge

DATE	CODE	EVENT	SPEAKER(S)	ORGANISER	CPD HOUR(S)	Recognised Divisional PQSL Event	Divisional PQSL Hour(s)	Reservation Fee
12 Dec 2022	2022180	QSD Christmas Buffet Dinner New	Sunny Choi, Paul Wong	QSD	1.0	To be determined by respective Division	HK\$350 - QSD members; HK\$200 - Students (QSD members only)	
15 Dec 2022	2022131	How to Use Natural Stone in Buildings	Hong Kong Marble & Granite Merchants Association	BSD	1.5	✓	HK\$150 - members; HK\$180 - non-members	
19 Dec 2022	GPD/ S/202211	General Practice Division Christmas Gathering 2022 New	-	GPD	-	-	HK\$400 per person (GPD members only)	
20 Dec 2022	2022177	Case Sharing: Recent Lands Tribunal Judgments of Cap 545 Applications (FULL)	Alnwick Chan	GPD	1.5	✓	HK\$150 - members; HK\$250 - non-members	
11 Jan 2023	2023003	How CE100 Hong Kong Funding Boosts Sustainability Performance of Buildings with Green Certification for Free New	Benson Ng	PFMD	1.5	✓	HK\$150 - members; HK\$210 - non-members	
19 Jan 2023	2023004	LIDAR: A Doom or a Boon? New	W Y Yan	LSD	1.5	✓	HK\$150 - members; HK\$180 - non-members	
4 Feb 2023	2023001	Understanding Projects for Health Services in Hong Kong Series [Seminars and Visits] Site Visit Two: Site visit to Redevelopment of Kwong Wah Hospital New	The representative(s) of Hospital Authority	BSD	1.5	✓	HK\$150 - HKIS members only	

(1) "Recognised Divisional PQSL Event" and "Divisional PQSL Hours": Applicable to the APC candidates (i.e. Probationers, Student Members & Associate Members) of the respective Divisions.

(2) "CPD Hours": Applicable to all Corporate Members and Associate Members across the 6 Divisions.

(3) "Recognised Divisional PQSL Event" is a PQSL Event that is recognised by the respective Division. Whether the event could be accepted as the PQSL event for other Division's APC scheme or not shall be determined by the APC candidate's respective Division.

(4) A CPD event may be recognised as a PQSL event when it is so indicated under the "Recognised Divisional PQSL Event" column. APC candidates may register for the event and obtain the PQSL hours for the APC scheme of the respective Division.

For details of the CPD events, please refer to the HKIS Website at https://hkis.org.hk/en/professional_cpd.html



For details of the CPD events, please refer to the HKIS Website at https://www.hkis.org.hk/en/professional_cpd.html or use the QR code provided.

GASOLINE

PETROCHINA CARD

From 1 January 2022, HKIS members can enjoy the private car discounts of **HK\$4.30 per litre for gasoline** and **HK\$9.20 per litre for diesel** for successful applicants. Terms and conditions apply. For details, please visit www.cheerwayco.com/pro.

ESSO FLEET CARD

From 1 February 2022, HKIS members can enjoy the privileged private car discounts of **HK\$4.20 per litre for petrol** and **HK\$8.80 per litre for diesel** purchases on credit for successful applicants and existing customers of **Ace Way Company**. Terms and conditions apply. For enquiries, please call **Ace Way** at **8100 3998**.

SHELL CARD

From 1 November 2022, the discount is **HK\$3.8 per litre for gasoline** and **\$9.50 per litre for diesel** for all successful application of the Shell Card. For enquiries, please call Mr Alex Au of Kingsway Concept Ltd. at **2541 1828**.

CALTEX STARCARD

From 24 August 2022, HKIS members and also their family members, who have never applied for Star Card OR Star Card holders who had no transaction record in the past four months, can enjoy an attractive discount of **HK\$5 per litre for gasoline** and **HK\$10 per litre for diesel** purchase every day. Terms and conditions apply. For enquiries, please call **Grace Chow** of Ming Xing Investment at **3746 1822 / 9279 5187**.

AFFINITY CARD

HKIS American Express® Credit Cards

Introducing the American Express Credit Cards exclusive to The Hong Kong Institute of Surveyors members: Platinum Credit Card/ Gold Credit Card. For exclusive offers to HKIS members, please refer to the HKIS website. Enquiry: **2277 1370**

Shanghai Commercial Bank HKIS Credit Cards

For exclusive offers of the Shanghai Commercial Bank HKIS VISA Platinum / MasterCard Titanium Credit Card, please refer to the HKIS website. Enquiry: **2818 8236**

Up To 30% OFF DOWN JACKETS AND T-SHIRTS

HKIS members can enjoy **15% discount** on all regular priced items (Premium Goose Down, Extra Fine Pima Mercerized Cotton T-shirts, jackets etc) provided at Chateau Chaleur's online shop www.chateauchaleur.com. Simply apply the promotion code "HKIS85" upon check out to enjoy this discount. Member can enjoy **30% off** for all regular priced items at the shop on 3/f, SOGO Causeway Bay until 28 Feb 2023.

OTHERS

Special Monthly Offer Wine Shopping

HKIS members can enjoy special monthly offer from Waston's Wine (Private Clients), to place your order, please contact: YIN TSUI (manyin.tsui@aswatson.com) or 3543-0391. Please refer to the HKIS website for details.

40% OFF 38% OFF HEALTH CHECK PLAN

Health check-up packages are offered to all holders of HKIS membership cards by **Union Hospital** at a privilege offer of **HK\$3,500 for male** and **HK\$4,420 for female**. Plan is inclusive of physical examination and medical history; medical report with comment and consultations with two doctors; complete blood count; diabetic screening; lipid profile; hepatitis profile B; liver function test; renal function test; gout screening; urinalysis; stool & occult blood; resting ECG. Plan for male also includes PSA, chest x-ray, and kidneys, ureter & bladder x-ray, while plan for women includes thyroid screening, pelvic examination including pap smear, and mammogram/ breast ultrasound. Privilege lasts until 31 December 2023.

Advance booking is required for the above offers. For booking and enquiry, please call **2608 3170** (Union Hospital) / **2986 1111** (Tsim Sha Tsui Health Centre).

Free subscription Magazine

Building Journal, published monthly since 1973, is offering a **12-month FREE e-version subscription** through its online portal, www.building.hk, especially to HKIS members for online viewing. Together, the printed and e-version copies of Building Journal enjoy a combined monthly readership exceeding 500,000 around the world. Please refer to the Free Subscription Form on the HKIS website for detailed information.

Up To 15% OFF DRY CLEAN & LAUNDRY

From now until 31 December 2022, HKIS members can enjoy **15% off on garment laundry and dry cleaning service**, and **5% off on household items** & **10% off on pick up and delivery service from Vogue Laundry**. Please refer to the HKIS website for details.

Special Offer (平安鐘) Care-on-Call Service

From now until 31 December 2022, Senior Citizen Home Safety Association is offering exclusive offers of **Care-on-Call Service (一線通平安鐘)** to HKIS members and your family members. Please refer to the HKIS website for details. For enquiries, please contact Mr Law at **5110 9568 / 2952 7391**.

50% OFF HEALTH CHECK PLAN

From now until 31 December 2022, **health.esdlife** offers 1 extra **5% off** on over 600+ health check plans on eshop (Discount code: HKIS2022). For Mobile Medical Platinum Health Check Plan (2 persons), HKIS members can enjoy up to **50% off** (average \$2,992.5 per person; HKIS discounted price: \$5,985). The plan consists of 103 checkup items including cancer marker, cardiac, liver, kidney and renal condition, thyroid, lung with 2,000 FREE Parki/Shop/Apple/Fortress cash voucher or add \$300 for Dyson vacuum cleaner. More gifts like Dyson supersonic hairdryer, OTD massager and Nintendo Switch are available on selected plans. For purchase and details, please visit health.esdlife.com/hkis. For enquiry, please call **3151 2244**.

10% OFF BOOK AND STATIONERY

Enjoy **10% discount** on regular priced books and stationery (sales items excepted) at **Cosmos Books Ltd** or upon presentation of original HKIS membership cards or HKIS affinity cards at all outlets of Cosmos Book Ltd. Privilege lasts until 31 December 2022.

15% OFF PROFESSIONAL COURSE

HKIS members can enjoy a **15% discount** on fees of professional courses (except some programmes) of **OCHK's Li Ka Shing Institute of Professional and Continuing Education** under the Non-Profit Making Organisations Study Support Scheme (NMOSSS). Please refer to the HKIS website for details.

Up to HK\$1,000 cash reward DBS Bank

HKIS members can enjoy an **exclusive account opening offer from DBS Bank**. Terms and conditions apply. Please refer to the HKIS website for details.

10% OFF CHORAL CONCERT TICKET

The Hong Kong Bach Choir presents a wide repertoire, from the Renaissance to World Premieres, while concentrating on music of the Baroque, Classical and Romantic periods. As a caring organisation, the HKIS is working with HK Bach Choir to promote performing arts in Hong Kong. Members of the HKIS can enjoy a **10% discount** on HK Bach Choir programmes by showing your membership card at URB/TIX outlets. For more information, please visit <http://www.bachchoir.org.hk>.

10% OFF DINING

FRITES restaurants is offering a **10% discount** to HKIS members (a la carte and express lunch menus), loyalty point programme and exclusive promotions throughout the year etc. For more details, please visit HKIS website.

Up To 10% OFF DINING

The **Royal Plaza Hotel** is providing a special offer for dining at their restaurants (including **Di King Heen and La Scala**) to HKIS members. The offer will start on 2 January 2022 and last until 31 December 2022. Reservations are required and your membership card or HKIS American Express or HKIS & Shanghai Commercial Bank Limited co-brand Credit Card must be presented when you arrive at the restaurant. For promotion details, please visit HKIS website.

Up To 25% OFF INSURANCE

HKIS members can enjoy special offers from **Zurich Insurance** including travel insurance (**single trip plan, 25% off**), **medical plan (up to 15% off)**, **home protection plan (15% off)**, etc.

Simply provide your HKIS membership number to enjoy these offers upon successful enrollment. For enquiries or product information, please call **2903 9393** or visit zurichcare.com.hk/surveyor

15% OFF WEIGHT REDUCTION PLAN

MSL Nutritional Diet Centre aims to help the general public prevent diet-related chronic diseases and improve longevity through healthy eating and lifestyles. From now until 31 December 2022, HKIS members can enjoy its exclusive offers, including a **free "Wealth & Health Assessment"** (original price: \$188), **15% off** to join its "Weight Loss Plan" and a **free session of "Tummy Exercise Class"**.

An advance booking is required. For more information, please call **2526 0888** or visit www.mslhk.com.

22% OFF 5G HEARING AID

From now until 31 December 2022, HKIS members and their family members can enjoy free pure tone hearing test and **22% discount** on all models of 5G hearing aid purchase at SoundDelight Hearing Centre. Members can also enjoy additional one year warranty for selected models.

For enquiry or appointment, please call **3905 0388** or visit www.sounddelight.net.

Up To 25% OFF DINING

Renaissance Harbour View Hotel is providing a special offer for dining at their restaurants, bar (including **Cafe Renaissance, Mirage and Dynasty Chinese Restaurant**) to HKIS members. Reservations are required and your membership card or HKIS American Express or HKIS & Shanghai Commercial Bank Limited co-brand Credit Card must be presented when you arrive at the restaurant. For promotion details, please visit HKIS website.

Special Offer INSURANCE

From now until 31 December 2022, HKIS members and their families can enjoy the **special offers from Prudential General Insurance HK, Ltd** including personal accident, overseas study, home & home-landlord, home decoration and relocation care insurance, etc. For further promotional details, please visit HKIS website.

Free subscription Magazine

Construction+ is a new bimonthly magazine that seeks to present extensive, in-depth B2B insights and updates from the industry, for the industry. It highlights China, Hong Kong & Macau's architectural, construction and design developments, and their contributions to the local construction landscapes. HKIS members can enjoy **complimentary copies** of Construction+ Magazine. Please visit HKIS website for more details.

10% OFF FOOTBALL SHIRT

Kitroom Sports is providing an exclusive offer to members buying football shirts. Simply show your membership card to enjoy a **10% discount** in Hong Kong and Macau branches. For details of the shop, please go to <http://www.kitroomsports.com/>.

15% OFF WINE SHOPPING

Wine etc is providing a **15% discount** offer to HKIS members for buying wine at its retail shops (Pedder Building, Entertainment Building, and Happy Valley). The offer will be valid from now until 31 December 2022. HKIS members can also enjoy a special **buy-one-get-one-free** offer on DELAMOTTE champagne on the months of their birthdays.

Please check Wine etc's website for more details: <http://www.etcwineshops.com/>.

29% OFF BOAT LICENSE COURSE

From now until 31 December 2023, **A & M Boating Limited** is offering a special discount and group discount for Boat License Course to all HKIS members. Please refer to the HKIS website for details. For further course details, please visit www.anmboating.com, or call 2891 3220 or email to info@anmboating.com.

10% OFF DRIVING COURSE

From now until 31 December 2022, HKIS members can enjoy **10% discount** on specified driving training courses from **Lee Kin Driving School Ltd**. Simply provide your HKIS membership number to enjoy these offers upon successful enrollment. For enquiries or course detail information, please call **9022 6699** or visit leekin.com.hk.

Note: The HKIS will not be privy to any contracts between the HKIS members and the agency concerned. We will not be responsible for the administration of or the consequences arising from these contracts, including any personal data that HKIS members may agree to provide to the agency. No liability of any kind will be borne by the HKIS. All business transactions made under the membership benefits of HKIS are strictly between the merchant and HKIS members. The HKIS will not be involved in any complaints made by any party in any business transaction. All enquiries should be made to merchants directly.

For more details about members' privileges, please refer to the HKIS website at https://www.hkis.org.hk/en/members_corner_welfare.html.

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Surveyors Times is the official monthly newsletter of the Hong Kong Institute of Surveyors (HKIS) covering topical issues of interest to the surveying industry and up-to-date news about HKIS activities, reaching surveyors in a wide range of fields, including consultants, contractors, public utilities, civil servants and academics.

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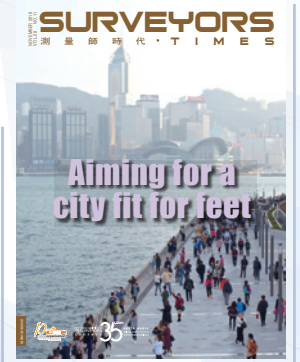
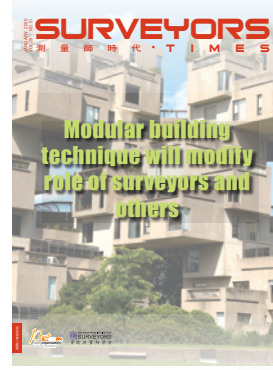
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