ice
Institution of Civil Engineers

Hong Kong

ICE Hong Kong Newsletter

ICE Breaker 2026

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Message from ICE HKA Chairperson Session 2025–26

It is my honour to serve as Chairperson of the ICE Hong Kong Association (ICE HKA) for Session 2025–26. As we begin this session, our profession is experiencing a period of significant change, and civil engineers continue to play a crucial role in shaping a more resilient and sustainable world. Civil engineering has always been rooted in public service, and we are reminded to look beyond technical data and focus on the people whose lives we influence every day.

Our vision this year aligns with the theme set by the ICE President, Mr David Porter: **"You, Me and ICE."** His message highlights that the public is less concerned with technical specifications and more with practical outcomes: safe journeys, reliable access to schools and workplaces, and well connected communities.

This perspective is especially relevant in Hong Kong, where infrastructure supports nearly every aspect of daily life. As civil engineers, we have both the opportunity and responsibility to enhance public engagement, deliver people centred and environmentally responsible infrastructure, and support one another within our institution.

With rapid global change, from climate challenges to digital transformation and the rise of artificial intelligence, our institution must continue evolving to stay relevant. Communities now expect infrastructure to be sustainable, resilient, and socially beneficial.

To address these expectations, ICE HKA has re-organised its sub–committees and introduced the following new sub-committees to better reflect the profession's priorities:

- **Construction Innovation Sub–committee** – Promoting adoption of emerging technologies and strengthening Hong Kong's leadership in engineering practice.
- **ESG Initiative Sub–committee** – Advancing sustainability, supporting carbon neutrality goals, and reinforcing civil engineers' leadership in ESG.
- **Publicity and Outreach Sub–committee** – Enhancing public engagement and showcasing how civil engineering improves everyday life.

These initiatives demonstrate our commitment to remaining relevant, connected, and responsive to our members and the wider community.

Over the past year, ICE HKA has delivered a broad range of activities to strengthen our professional community. Our technical seminars have addressed key topics including innovation, sustainability, and modern project management. A major milestone was the "ICE HKA × HKIE Civil Division Joint Conference 2025", which gathered industry leaders to discuss the future of engineering practice.

Our Graduates and Students Division has been particularly active, organising more than 50 activities including seminars, conferences, site visits, and competitions. Their work equips young engineers with strong technical foundations and effective communication skills, helping them articulate the value and impact of infrastructure.

Our Caring Engineering team has also continued its meaningful work in community engagement, reminding us that civil engineering extends beyond project delivery to building inclusive and resilient communities.

Today, our profession faces complex and pressing challenges-climate adaptation, rapid urbanisation, digital resilience, and equitable access to infrastructure. Civil engineers bring a unique combination of systems thinking, technical expertise, and practical problem solving to address these issues.

As we move forward, we must continue to view our work through the lens of public benefit. Doing so helps society better understand the essential role civil engineers play.

I encourage all members to engage actively with ICE HKA in the spirit of **"You, Me and ICE."** Whether through participation in events, sharing knowledge, or mentoring the next generation, your involvement strengthens our community and our profession.

I extend my sincere thanks to our committee officers, sub–committee leaders, Honorary Advisors, the ICE Representative for Hong Kong, and the ICE Regional Support Team for their dedication.

As we progress through Session 2025–26, let us remember that we are building more than infrastructure, we are shaping Hong Kong's future, contributing to a safer and more sustainable society, and upholding a legacy of excellence for the next generation. Let us continue to support one another, serve with integrity, and demonstrate the lasting importance of civil engineering.

Dr Johnny Cheuk
Chairperson
Session 2025-26
ICE HKA

ICE HKA Committee Session 2025-2026

Message from ICE Representative for Hong Kong

As we welcome the Year of the Horse, it is my honour to contribute to this year's edition of the ICE Breaker. The past year has been one of progress and reflection, especially following the tragic fire in Tai Po. This heartbreaking incident serves as a stark reminder of society's fragility and the "civil" aspects of our responsibility as engineers in safeguarding our communities.

While we continue to support recovery efforts and condemn criminal and negligent acts, we must reaffirm our commitment to professionalism and integrity. Our strength lies in unity, resilience, and the unwavering pursuit of high standards. But in fairness, we have made solid progress in infrastructure development, with the ICE HKA resonating strongly with our commitment to innovation, efficiency, reliability and sustainability.

Building Information Modelling (BIM), Modular Integrated Construction (MiC), Multi-trade Integrated Mechanical, Electrical and Plumbing (MiMEP), along with advanced technologies such as robotics, drones and artificial intelligence (AI), continue to flourish and reshape our industry. I have taken every opportunity to share the Development Bureau's vision and efforts in championing innovation and digitalisation through the Integrated Capital Works Platform (iCWP), Digital Works Supervision System (DWSS), and the Smart Site Safety System (4S). More recently, we invented the Co-supervision System for Smart Construction Management - SmartEye. The systems effectiveness is complemented by the Government's Low Altitude Economy drive. These advancements are crucial as we develop a more integrated and intelligent approach to infrastructure management, as well as enhance our efficiency and safety on the ground.

The Building Technology Research Institute (BTRi) continued to make pivotal commitment to innovation, driving the development of high-performance materials and efficient construction methods. By focusing on applied research and standardisation, we are setting benchmarks that elevate our sector and strengthen our global competitiveness.

The Government's commitment to infrastructure development remains robust, with about HK$120 billion annually for capital works expenditure for the next few years, plus an extra HK$30 billion in the coming two to three years. Beyond serving as an engine for development, the Northern Metropolis provides the perfect ground for strengthening our capability and pushing the envelope of innovation.

We continue to position Hong Kong as an International Infrastructure Centre, drawing global attention for our pioneering projects and expertise. This unique status opens valuable opportunities to market our expertise and engage potential clients locally and internationally. Last June, our visit to several Middle Eastern countries attracted their admiration for the network we are building around the MiC supply chain. Leveraging the Chinese Mainland's strong manufacturing base, we are forging deeper collaboration and synergy, enhancing efficiency and competitiveness across the region. We aim to advance MiC in alignment with the New Quality Productive Forces (新質生產力) and establish the Greater Bay Area as a MiC technology centre.

In our ongoing efforts to enhance efficiency, fairness, and financial stability in the industry, the successful enactment of the Construction Industry Security of Payment Ordinance– effective on 28 August 2025 was a well-celebrated achievement. Apart from fostering a more amicable and predictable payment environment while ensuring unimpeded cash flows, the greater significance lies in the industry-wide consensus.

Meanwhile, engineers must equip ourselves with broader knowledge that transcends traditional boundaries. Hard skills in IoT, data analytics, finance, and soft skills such as communication are increasingly critical for our success. It was therefore very timely for President David Porter, in his inaugural address last November, to emphasise the importance of “informed decision-making” and “bridging the skill gaps”. We must work to ensure that clients are well-versed in the implications of their decisions around user requirements and procurement processes.

As the ICE’s flagship collaborative contract form, the New Engineering Contract (NEC) has taken firm root in Hong Kong, delivering proven success in incentivising collaboration, enhancing efficiency, and saving project time and costs. Recently, we have extended its reach across the border, with the publication of the Chinese version of the NEC ECC (HK Edition). An agreement has also been reached with the Qianhai Authority (前海管理局) for pilot projects to be procured using NEC. This represents another significant milestone-building on the success of the Professional Registration System (備案制度) and the Professional Title Evaluation Mechanism (職稱) opening new opportunities, integrating more deeply into, and serving the National Development.

With a membership of over 8,700 and growing, the ICE HKA continues to be the vital international link for civil engineers. Our roles to lead, bridge, and facilitate have been well reflected in the succession of events and reach-outs in the past year. Notably, in April, we successfully hosted a joint conference with the HKIE Civil Division around the title of transforming the future of engineering. Anchoring on opportunities arising from the Chinese Mainland including the Greater Bay Area is high on our agenda, which was the theme of our annual dinner in June, culminating in our Chongqing and Chengdu Delegation in December, sharing our vision and experience around “the Evolution of Chinese Infrastructure: Past to Present.” Moreover, in November, we successfully renewed the ICE-HKIE Mutual Recognition Agreement.

In my dual role representing the Development Bureau and ICE HKA, providing a stable and navigable framework while inviting collaboration from all stakeholders remains paramount. There is much wisdom in the Chinese saying ”任重道遠” the road ahead is long, and the responsibility is heavy. Together, we treasure the opportunity to advance our profession, and with it, build a safer, more resilient, and sustainable future for Hong Kong.

May the Year of the Horse bring good health, prosperity, and inspiration to all.

Ricky C K Lau, JP
ICE Representative for Hong Kong

ICE HKA Annual Dinner 2025 – Bridging the Greater Bay Area with the World

By Francis Sootoo

The ICE HKA 24th AGM & Annual Dinner was held on Friday 13 June 2025 with over 400 guests attending the event. This event kicked off following the Annual General Meeting to officially install the new committee for the 2025-26 session.

We were delighted and deeply honoured to have Ms Bernadette Linn, JP, Secretary for Development of HKSAR, as our Guest of Honour, who graced our Annual Dinner and delivered an inspiring and encouraging opening speech on the latest development of Hong Kong and the Greater Bay Area.

The event kicked off with a welcoming speech by ICE HKA Chairperson of Session 2024-25, Mr Ambrose Cheong, BBS, followed by ICE HKA Chairperson of Session 2025-26, Dr Johnny Cheuk.

Mr Ambrose Cheong, BBS, ICE HKA Chairperson of Session 2024-25, who delivered a Welcoming Speech

This year's theme was "Bridging the Greater Bay Area with the World", a meaningful occasion for the civil engineering profession in Hong Kong to connect with the Greater Bay Area and the World.

Echoing this year's theme, we invited the Hong Kong Development Council Go GBA team to promote the Greater Bay Area and the Construction Industry Council to show the latest construction industry innovation and technologies to our members and guests.

We have also invited a local Hong Kong youth dancing group, Superdope, who provided a great performance to entertain our guests.

The dinner was well attended by our honourable guests, including ICE HKA current and past Chairpersons and representatives from the HKSAR Government Departments, professional sister institutions, academia, industry stakeholders and sponsoring companies.

On behalf of the 2025 Annual Dinner Organising Committee, I would like to express my heartfelt gratitude and appreciation to all our honourable guests and ICE members and friends for joining the event, and our sponsors and exhibitors, our Sub–committee members, the dedicated ICE HK staff and the G&S volunteers for their tremendous support and hard work in preparing and making this event a great success.

Dr Johnny Cheuk, ICE HKA Chairperson of Session 2025-26, who delivered a Welcome Remarks

Ms Bernadette Linn, JP, Secretary for Development of HKSAR, as our Guest of Honour, who graced our Annual Dinner and delivered the Opening Speech

Group photo with our Guest of Honour, ICE Representative for Hong Kong and ICE HKA Committee of Session 2025-26

ICE HKA x CIHT HK Conference & Exhibition 2026 – Smart cities: Infrastructure & transportation innovations

Join experts and innovators as we unpack the transformative power of digitalisation-from AI to UAV applications and autonomous driving systems. Alongside keynote speeches and expert presentations, the event features exhibits and pitch sessions that showcase emerging technologies from a variety of pioneering organisations.

Conference's theme

This flagship conference provides a dynamic platform to explore the revolutionary impact of digitalisation on civil engineering. It is a forum for sharing the latest knowledge in infrastructure innovation, with a core focus on how technologies like Artificial Intelligence (AI), Unmanned Aerial Vehicles (UAV) and autonomous driving are transforming industry practices and paving the way for new economic models.

Participants will discover how digitalisation is revolutionising every stage of the project lifecycle-from planning and design to construction, operation, and maintenance.

In addition to keynote speeches and expert presentations, the event will feature mini-exhibits and business-pitch sessions. These interactive forums offer pioneers and innovators a unique opportunity to showcase their ideas, fostering essential collaboration among policymakers, industry leaders, and innovators.

Keynote Speaker

Mr. LIU Chun San, JP
Under Secretary for Transport and Logistics,
The HKSAR Government

DATE:
Thursday 30 April 2026

TIME:
9:00am – 5:30pm

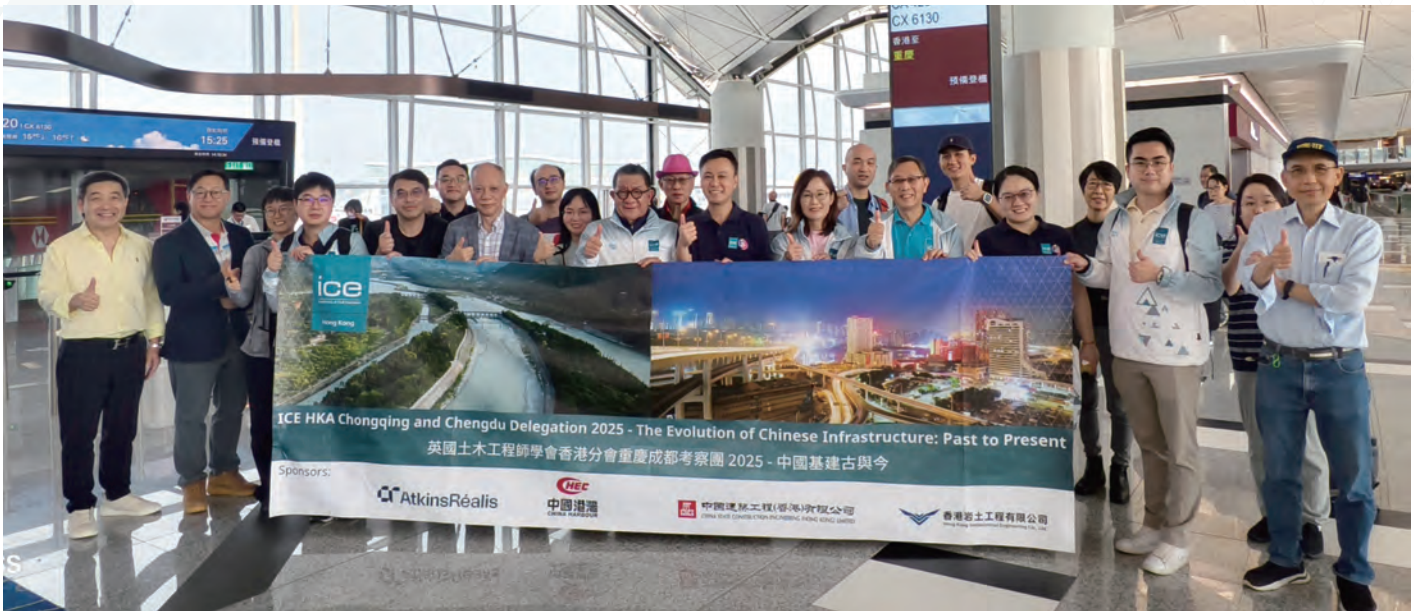
VENUE:
Crystal Court, Hopewell Hotel,
15 Kennedy Road,
Wan Chai, Hong Kong

Email: icehk@ice.org.uk

Tel: +852 3153 4181

ICE HKA Chongqing and Chengdu Delegation 2025

By Betty Ng



Ready for an insightful visit to Chongqing and Chengdu

ICE HKA organised a delegation to Chongqing and Chengdu from 9 to 14 November 2025, comprising 24 fellow members and friends from government, clients, contractors and consultants.

The delegation arrived in Chongqing on 9 November and visited the distinctive Liziba Station, where the train passes directly through a residential building, offering firsthand experience of the ingenious urban design characteristic of mountainous cities.

On the second day, 10 November, the group visited the under-construction Chongqing Rail Transit Line 18 and the Baoshan Jialing River Bridge project. Both projects, undertaken by China Communications Construction Company (CCCC), provided an invaluable on-site opportunity to study the construction techniques and project management methodologies involved in large–scale underground stations and major bridge engineering, followed by in-depth technical exchanges.

Project briefing session on Chongqing Rail Transit Line 18

On the third day, 11 November, the group paid a visit to the Chongqing Yulin Waste-to-Energy Plant in the morning to learn about advanced practices in municipal waste treatment and green energy generation. In the afternoon, the group visited the Chongqing Longxing Football Stadium, where the delegation gained insights into the planning and design principles of modern large-scale sports facilities.

On the morning of 12 November, the delegation travelled by high-speed rail to Chengdu. In the afternoon, the group visited the Sanxingdui Museum to appreciate the brilliance of ancient Shu civilisation. This was followed by a visit to the Key Laboratory of Transportation Tunnel Engineering Ministry of Education and the State Key Laboratory of Rail Transit Vehicle System at Southwest Jiaotong University's Jiuli Campus, where the delegates gained insights into cutting-edge research achievements in related technological fields.

On 13 November, the delegation travelled to Dujiangyan and were warmly received by officials from the Chengdu and Dujiangyan Hong Kong and Macao Affairs Office. Local water conservancy experts provided a detailed presentation on the historical background and engineering principles of the Dujiangyan Irrigation System, followed by an exchange of views on topics such as flood control and natural ecological conservation. In the afternoon, the group returned to Chengdu to visit the Chengdu Research Base of Giant Panda Breeding, further deepening an understanding of Sichuan's achievements in natural preservation and ecological conservation.

On the morning of 14 November, the delegates held in-depth discussions with representatives from AECOM's Chengdu Office regarding the "North Area of Xinchuan Science and Technology Park-Chengdu 5G Pioneer Zone" project. Following the exchange, the delegation departed from the Chengdu Airport to Hong Kong. This wrapped up the fruitful and insightful 6 days tour of Chongqing and Chengdu.

Site visit to Baoshan Jialing River Bridge project

Visit to Yulin Waste to Energy facilities

The delegation was highly substantive, not only broadening our professional horizons but also deepening our understanding of the nation's developments in urban construction, transportation infrastructure, environmental protection and energy, as well as cultural and natural ecological conservation. All participants felt that the delegation was truly rewarding and immensely beneficial.

Visit to Chongqing Longxing Football Stadium

Presentation on the planning for Chengdu 5G Pioneer Zone

Technical talks and seminars

By Leo Lau and Dr Yancheng Cai

In 2025, a series of technical seminars were organised which provided valuable insights into the latest advancements and challenges in engineering and construction. These seminars covered a diverse range of topics, including innovative construction techniques, ecological conservation, and the transformative role of artificial intelligence (AI) in engineering workflows and infrastructure management. Together, they highlighted the importance of innovation, collaboration, and sustainability in addressing contemporary challenges and shaping the future of the industry.

One of the key themes across the seminars was the application of innovative methods and technologies to overcome complex engineering challenges. For instance, the "bridge rotation method" used in the construction of a bridge across the East Rail Line demonstrated how advanced construction techniques can minimise disruptions in urban environments. This method, developed in collaboration with the MTR Corporation Limited (MTRCL), ensured uninterrupted railway operations during the project. The success of this initiative was attributed to the adoption of the New Engineering Contract (NEC) framework, which fostered mutual trust and collaboration among stakeholders. This approach underscored the importance of transparent and cooperative project management in delivering complex infrastructure projects efficiently. The seminar was delivered by speakers Mr Sam Tam from CEDD, Mr Alan Lee from AECOM, Mr Darvin Lo from CRCC–PY JV, and Mr YW Leung from YWL Engineering Pte Limited (Photo 1). The seminar was held in the lecture theatre on 20 March at Hong Kong Metropolitan University (HKMU) and attracted over 120 participants (Photo 2).

Sustainability and ecological conservation were also central to the discussions. The "Revitalisation of Tung Chung Stream" project served as a prime example of how engineering can balance environmental preservation with community development, shared by Mr Kenneth Kwok and Mr Alan Ng on 4 September (Photo 3) and attended by over around 240 online participants. This award–winning initiative, recognised with the 2024 Edmund Hambly Medal, showcased a climate–resilient design that restored the natural habitat, improved water quality, and mitigated flood risks while engaging the local community. The project highlighted the critical role of engineering in advancing ecological conservation and creating greener, more sustainable urban environments. It also demonstrated how innovative design and planning can align environmental goals with societal needs, setting a benchmark for future sustainable development projects.

Photo 1: Speakers for seminar on 20 March 2025

Photo 2: Participants for seminar on 20 March 2025 at HKMU

Photo 3: Seminar on sustainability and ecological conservation delivered by Mr Kenneth Kwok (left 3) and Mr Alan Ng (left 4)

We also explored the transformative potential of AI in engineering and construction. Emerging AI–powered tools, such as ChatGPT, Gemini (on Poe), Perplexity, Grok, Undermind, NotebookLM, and Notion AI, were introduced as powerful resources for knowledge discovery and management, for example, in the webinar delivered by Ms Aster Zhao (Photo 4). These tools enable engineers and construction professionals to efficiently gather, organise, and summarise technical information from academic papers, case studies, and design guidelines. The webinar emphasised the importance of using AI responsibly and effectively, ensuring that these technologies are leveraged to complement human expertise while maintaining ethical standards.

Photo 4: Seminar on AI tools delivered by Ms Aster Zhao

Beyond knowledge management, AI is also revolutionising civil engineering practices through its applications in infrastructure design, maintenance, and sustainability, for example, the on–site seminar delivered by scholars from The Hong Kong Polytechnic University, The Hong Kong University of Science and Technology and The Southern University of Science and Technology in China (Photo 5) on 29 November 2025. Discussions highlighted how AI-driven models are being used to predict urban thermal environments, enabling the design of energy-efficient and climate–resilient buildings. Intelligent robotic systems for inspection and maintenance were showcased as tools that enhance precision and reduce costs, particularly in the upkeep of offshore structures. Additionally, AI–powered frameworks for composite material design, such as concrete–steel structures, are improving structural performance and sustainability. These advancements are reshaping traditional methodologies, paving the way for smarter, more resilient infrastructure.

The 2025 seminars collectively highlighted the transformative impact of innovation, collaboration, and sustainability in engineering and construction. From advanced construction techniques and ecological conservation strategies to the integration of AI in knowledge management and infrastructure maintenance, these discussions provided valuable insights into the future of the industry. Engineers and practitioners who attended these seminars are now better equipped to apply these learnings to their projects, contributing to the advancement of the field and the creation of a more sustainable and resilient built environment. These seminars serve as a testament to the evolving nature of civil engineering and its critical role in addressing the challenges of the modern world towards sustainability.

Photo 5: On-site seminar on AI in civil engineering at HK PolyU

Technical visits

By ICE HKA Technical Visit Sub-committee

ICE HKA continued to work closely with government departments, consultants, contractors, and industry partners to provide members with firsthand exposure to major engineering projects. These seven technical visits offered valuable insights into construction innovations, digitalisation, safety management, and engineering challenges across different sectors.

1. Peak Kong Special Steel Technology (Guangdong) Co. Ltd. – Dongguan 29 March 2025

ICE HKA started the year strong with technical visit to Peak Kong Special Steel Technology in Dongguan. Members joined a comprehensive factory tour featuring high strength steel manufacturing and advanced fabrication processes.

Key highlights included robotic laser welding, DfMA applications, and stainless steel production. The visit offered a rare opportunity to observe industrial scale automated welding and precision controlled mechanised processes.

2. Central Kowloon Route (CKR) (HY/2018/02) – Kai Tak East 26 April 2025

Members visited key locations along the Central Kowloon Route, beginning with a briefing at the CKR Community Liaison Centre featuring immersive tools such as holographic models and the CAVE display system.

The tour showcased underwater tunnelling works, bridge construction at Kai Tak River, blasting operations, and digital platforms including Digital Works Supervision System (DWSS) isBIM Limited and the Smart Site Management Hub (SSMH). The visit highlighted CKR's future role in reducing cross kowloon travel times and strengthening Route 6 connectivity.

3. Aviation Fuel Supply Company (AFSC) – Operations & Refuelling 14 June 2025

This visit provided a behind the scenes look at the jet fuel supply system serving Hong Kong International Airport. Presenters introduced topics such as fuel quality assurance, hydrant pipeline system design, and day to day operational safety.

The HuaYuan Group shared insights into the P560(R) pipeline project, demonstrating how Horizontal Directional Drilling (HDD) is applied within a live aviation environment. The site walk allowed participants to observe essential fuel storage and transfer components in operation.

4. Drainage Improvement Works in Tsim Sha Tsui (DC/2022/01) 19 July 2025

Members explored Hong Kong's latest urban drainage upgrading works. The briefing covered pipe jacking operations, tree preservation measures, and the use of interlocking pipe pile walls for excavation support in congested urban areas.

The tour included the new pumping station at Urban Council Centenary Garden and the launching/receiving shafts at Chatham Road South, demonstrating trenchless tunnelling beneath one of the Hong Kong's busiest road networks.

5. CEDD – Development of the Lok Ma Chau Loop (Main Works Package 1) (YL/2021/01) 13 September 2025

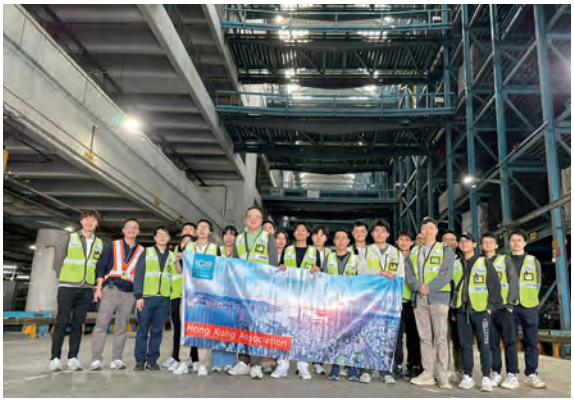
As one of the year's flagship events, this visit offered deep insight into the transformation of the Lok Ma Chau Loop into a future innovation hub. Briefings explained the development strategy and major engineering components.

Members learned about Deep Cement Mixing (DCM) ground improvement, Self-Propelled Modular Transporter (SPMT) based deck span erection, ecological advance works, and smart safety systems such as TAMAGO and CANOPUS. A site tour of an under construction bridge illustrated the project's scale and strategic importance.

6. Joint ICE HKA × IOM3 Visit – Relocation of Diamond Hill Reservoirs to Caverns (21/WSD/21) 13 December 2025

This joint visit with IOM3 introduced one of the Hong Kong's major cavern development projects, aimed at improving land utilisation and strengthening long term water infrastructure resilience by relocating service reservoirs underground.

Participants observed works on the 650m vehicular access tunnel, portal temporary works, and active cavern excavation. The visit highlighted the technical challenges and safety considerations of large scale underground construction.



7. Hong Kong Air Cargo Terminals Limited (HACTL) 17 January 2026

The final visit of the period brought members into the world's largest multi level air cargo terminal. HACTL presented its automated Container Storage System, Integrated Control Centre, and high performance cargo handling workflows.

Members gained insights into the terminal's strong emphasis on automation, digital platforms, sustainability practices, and the rigorous safety and quality systems underpinning its operations.

Construction innovation initiatives

By Anthony Wong

As one of the three newly established sub–committees of ICE HKA for this session, the Construction Innovation Sub–committee is dedicated to promoting digital transformation, enhancing professional development, and showcasing emerging technologies within the civil engineering industry. Throughout this session, the sub–committee has planned various visits, talks, training series as well as a flagship event to advance innovation within the civil engineering profession.

Inno visits

A visit to the Centre for Future Construction (CFC) on 6 September 2025 introduced members to advancements across digital modelling, smart site safety, VR applications, AI, and robotics, offering a concise overview of technologies shaping future construction practice (Photo 1 and Photo 2).

Photo 1: Virtual Reality Cave at CFC offers an immersive and interactive experience for visitors

Photo 2: Robotic Hub at CFC displays various robots applicable to Hong Kong's construction industry

On 31 January 2026, members toured the Horry MiMEP Productivity Centre, gaining insight into how integrated digital workflows-from design to prefabrication and installation-improve productivity, build quality, and risk management through BIM enabled processes. The visit reinforced the industry's progression towards integrated digital delivery (Photo 3).

Photo 3: Horry's MiMEP Productivity Centre highlighted how integrated digital delivery can enhance productivity, improve build quality and reduce construction risks

Upcoming events

Looking ahead, the sub-committee will co-host the ICE HKA × CIHT HK Conference & Exhibition 2026 on 30 April 2026, focusing on digital and AI driven innovations in infrastructure and transportation.

A four part digital training series will also launch later in the year to provide a scenario-based, hands-on skill development in key AI and digital tools.

Inno talks

A webinar was held on 25 November 2025 to introduce emerging AI tools relevant to both general and research-specific applications. Participants were guided through a curated set of examples (e.g. Undermind, NotebookLM, and Notion AI). The guided presentation demonstrated how these tools can support reliable and responsible technical knowledge discovery.

On 29 November 2025, three distinguished academic speakers delivered presentations on the latest advancements in artificial intelligence, machine learning, and robotics for civil engineering. The session offered members fresh insights into how these rapidly evolving fields are creating new opportunities for efficiency, automation, and innovation across the built environment (Photo 4).

Photo 4: Half-day seminar on 29 November 2025 covered the latest advancements in artificial intelligence, machine learning, and robotics for civil engineering

Environmental, Social and Governance (ESG) initiatives

By Kenneth Kwok and Ellen Lee

A new ESG sub-committee has been formed for the 2025–26 session, combining the previous Sustainability and Carbon Neutrality sub-committee with the Women in Engineering sub-committee.

ICE HKA x Civic Exchange Interactive Seminar: Advancing Nature-based Solutions (NbS) – From Global Standards to Hong Kong Case Studies

A joint event, co-organised with Civic Exchange, was held on 3 November 2025. This was the first in a series of events to be organised by the new ESG sub-committee during this session. This interactive event hosted over 30 participants, providing them with an opportunity to explore the latest developments in NbS globally and gain hands-on experience applying a new global NbS standard to a local Hong Kong project.

Speaker: Ms Kitty Tam

The event was kick-started by Ms Kitty Tam, Programme Lead at Civic Exchange, who shared her insights and experiences from attending the IUCN World Conservation Congress, including the importance of cross-disciplinary collaboration and education in applying NbS.

After Ms Tam's introduction, we were delighted to have Mr Hanif Falah, Technical Officer for NbS at the International Union for Conservation of Nature (IUCN) Asia Regional Office to deliver the main presentation. Mr Falah gave an overview of NbS and introduced the new IUCN Global Standard for NbS. He outlined the basics of NbS, discussed its history, and explained how NbS can be applied at scale and integrated into environmental management strategies. Mr Falah also presented the eight key criteria and indicators used by IUCN in their new standard to assess NbS projects, providing participants with a global perspective on NbS evaluation.

Speaker: Mr Hanif Falah

Participants were then divided into groups to assess a local Hong Kong NbS case study, the Tsui Ping River Revitalisation project, with each group assigned one of the IUCN standard's criteria. After discussing and evaluating their assigned aspects, each group presented their findings, encouraging interactive learning from technical, economic, governance, and stakeholder perspectives.

On behalf of the ESG sub-committee, we would like to express our sincere thanks to the speakers, helpers, working group members, and ICE HKA officers for their help and support in organising this event.

Participants engaged in applying the IUCN NbS Standard on Tsui Ping River Revitalisation project

Group photo with distinguished speakers

Public voice breakfast forums – How to foster a sustainable low altitude economy in Hong Kong

By Alice Li

Background

The Low-Altitude Economy (LAE) is an emerging economic sector centred around the development and utilisation of low-altitude airspace, typically below 1,000 metres, for commercial, technological, and public service applications. It is increasingly recognised as a new growth engine for modern economies, especially in the context of smart cities and digital transformation. As Hong Kong is evolving into a smarter and more connected environment, the LAE is poised to become a cornerstone of the future urban life-driving innovation, enhancing mobility, and creating new economic value.

This breakfast forum aims at exploring challenges and technological innovations in the LAE and Hong Kong's opportunities to develop a sustainable LAE through these technologies. The innovative aircraft, electric Vertical Take-off and Landing (eVTOL) aircraft, stand to transform both intracity mobility and regional connectivity across the Greater Bay Area (GBA). It was our honour to invite Mr Steven Lui, the President of Intelligent Transportation Systems Hong Kong (ITS-HK) and Chairman of the Technical Committee Sub-group on LAE. He has more than 21 years of international experience working in both public and private sectors on projects in the UK, UAE, Singapore and Hong Kong. The highlights of Mr Lui's speech and the discussions are presented below.

Speech from the distinguished guest

Mr Lui introduced the latest technology and application of Advanced Air Mobility (AAM) & eVTOL. eVTOL aircrafts are increasingly powered by advanced electric propulsion systems for a quieter, cleaner, and more efficient flight compared to traditional combustion engines. Meanwhile, many AAM platforms have integrated high level automation, including autonomous navigation and flight control systems, reducing the necessity of onboard pilots. The development of vertiports (i.e. dedicated take-off and landing hubs) is underway in urban and regional areas to support AAM operations.

China significantly elevated the LAE as a strategic emerging industry. In the third session of the National People's Congress, a large-scale demonstration initiative was proposed promoting a safe and healthy development of LAE and commercial spaceflight. This includes establishing designated flight zones, real-time monitoring, and dynamic management of low-altitude airspace, alongside accelerating legislation for Unmanned Aerial Vehicle (UAV) and low-altitude flight management.

He also pointed out a few key considerations for LAE development, such as spatial requirements for flights, power provision and charging facilities, legal and insurance, security and integration of connectivity and airspace.

As of 2025, Hong Kong has been actively developing its LAE through a regulatory sandbox approach, approving 38 pilot projects focusing on drones under 25kg for cargo delivery, surveillance, maintenance, and emergency response. At the same time, preparations such as infrastructure planning (e.g. vertiports and charging stations), updating legislation, and coordinating with Chinese Mainland to explore cross-boundary low-altitude air routes, are on-going.

Outcome of group discussions

Three discussion groups were formed to discuss how to adopt a sustainable LAE in Hong Kong. To guide the discussion, each group focused on a specific LAE perspective: (1) incentives of LAE; (2) environmental and social impact of LAE, and (3) Challenges of the LAE development. Representatives from each group presented their discussion outcomes as follows:

Group 1: Incentives of Low-Altitude Economy

The discussion group agreed that public trust is a cornerstone of LAE adoption. Ensuring high safety standards and operational reliability will help overcome skepticism and resistance. It has suggested several incentives for LAE as follows:

- **Cost-effective and faster cross-border travel:** eVTOLs offer a significant reduction in travel costs compared to traditional helicopters, approximately HK$5 per km vs HK$30 per km. This makes them a more accessible and scalable solution for regional and cross-border mobility, especially in densely populated or geographically fragmented areas.
- **Enhancing sustainable infrastructure development:** LAE reduces the need for costly and environmentally disruptive infrastructure projects that reduce land use and lowers maintenance costs. At the same time LAE could support greener urban planning, aligning with sustainability goals and smart city initiatives. Nonetheless, development of LAE requires Government subsidies and policy support. Public sectors involvement through subsidies, incentives, and policy frameworks can accelerate the adoption of LAE. Government can play a pivotal role by funding pilot programmes, offering tax reductions, and streamlining aviation regulations to encourage private investment and innovation in the sector. ; ;
- **Public engagement and trust building:** To foster public acceptance, initiatives like experience sharing, trial flights, and phased implementation can help build familiarity and confidence. Gradual exposure, combined with visible safety measures and reliability of technology, will ease societal transition to this new mode of transport.
- **Expanding supply of docking points, take-off and landing Points:** Expanding the network of vertiports (e.g. docking, take-off, and landing points) is essential for the scalability and convenience of eVTOL operations.

Group 2: Infrastructure and urban planning for Low-Altitude Economy implementation

Group 2 focused on Infrastructure and urban planning for LAE implementation and environmental and social impact of LAE. They have discussed this topic with different angles as follows:

- **Applications in the construction industry:** LAE technologies can revolutionise construction through real-time remote site supervision using aerial drones and eVTOLs; asset tracking and management across large or complex sites; and progress monitoring and safety inspections from the air. To build the foundational infrastructure for LAE, a mix of public funding, private capital, and public-private partnerships (PPPs) are essential to finance the development of LAE infrastructure, enabling shared risk and faster deployment through collaborative models.
- **Integration with advanced technologies:** To maximise the performance of LAE operations, LAE systems should be integrated with other technologies, such as LiDAR, thermal infrared camera, and other high resolution camera.
- **Regulatory and operational constraints:** Current restrictions, such as limited airspace access, lack of standardised regulations and zoning limitations, can hinder the expansion of LAE. Urban planners and policymakers must work together to publish regulations, define air corridors, and ensure compatibility with existing infrastructure.

Group 3: Challenges of Low-Altitude Economy implementation

Group 3 discussed the challenges and concerns on LAE development that the Government and practitioners should consider. Representatives from the discussion group presented their discussion outcomes as follows:

- **Framework controlling the LAE development:** There is a strong need to develop a comprehensive roadmap, licensing standards, flight path management and insurance framework. A dedicated statutory body should be established to oversee LAE development. This body would be responsible for long-term planning, regulatory oversight, and interdepartmental coordination, ensuring consistent and accountable progress.
- **Local expertise and talent development:** Hong Kong needs to cultivate local expertise in areas such as aerospace engineering, AI, cybersecurity, air traffic control, and regulatory compliance relating to LAE. This can be achieved by establishing partnerships with universities and training institutions to build a skilled workforce that support LAE development in the future. This can ensure Hong Kong remains at the forefront of innovation and technological advancement in the LAE sector.

Conclusion

This discussion is considered fruitful. Mr Steven Lui's speech provided insightful views on the latest development and implementation of LAE in Hong Kong. With subsequent discussions on the incentives of planning and the impact of the LAE, along with the potential development and constraints, it is hoped that these views will be useful for practitioners in the civil engineering industry to maximise benefits while mitigating potential challenges in the evolving LAE sector.

Networking activities

By Ada Tsang

In 2025, the ICE HKA Networking Sub-committee organised a series of diverse and engaging events, offering participants unique experiences centred on wellness, sports, and sustainability. These events fostered a sense of connection and provided opportunities for personal growth and relaxation for ICE members and their friends.

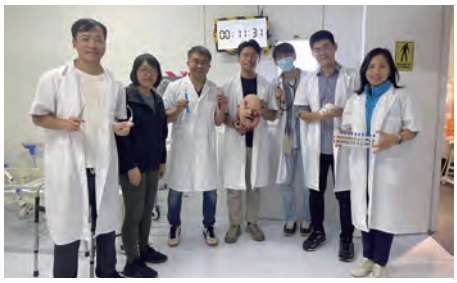
Lovely candle holder

Turkish mosaic candle holder workshop

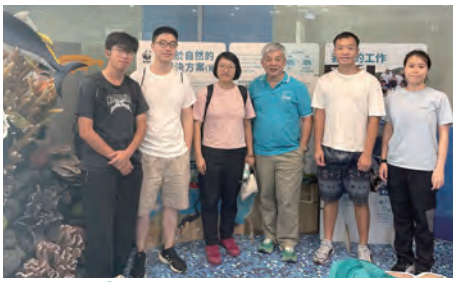
The Turkish mosaic candle holder workshop took place on 28 March 2025. With 10 participants in attendance, the event allowed them to learn the process for making a beautiful Turkish mosaic candle holder and facilitated networking among industry professionals. The participants also enjoyed the Turkish tea and delights during the workshop.

Escape room experience

The escape room experience took place on 16 April 2025 and featured a moving scene of a zombie laboratory. Participants worked together to find clues and solve puzzles to complete the mission within the time limit. The participants had pulse-racing excitement, and they dressed up and took photos in themed rooms after the game.



Exciting game



Beauty of nature

Coral exploration at Hoi Ha Wan

The coral exploration at Hoi Ha Wan on 10 August 2025 was a meaningful activity. The participants visited the only marine research and education centre in Hong Kong, located directly on the water. The participants recognised the importance of coral and visited the coral nursery facility established by WWF-HK and the Coral Academy of The Chinese University of Hong Kong. The participants also enjoyed a guided ride on transparency, the glass-bottom boat, to observe the diversity of coral and marine life in Hoi Ha Marine Park.

Visit to T · PARK

The visit to T · PARK on 30 August 2025 received favourable feedback from 19 participants. With the tour guide's detailed explanation, participants gained a deeper understanding of the futuristic waste treatment facility, which offers the best alternative for sludge disposal and sets the pace for a more sustainable Hong Kong.

Waste-to-energy

Drone demonstration

Aerial photography workshop

This workshop, held on 13 January 2026, provided 13 participants with basic aerial photography skills for capturing high-quality photos and videos. The trainer also provided detailed information on the latest legislation and requirements for drone use.

Overall, these events have embodied the spirit of connection, sustainability, and personal growth. By providing diverse experiences ranging from outdoor adventures to wellness-focused activities, participants were able to explore new horizons, forge meaningful connections, and gain a deeper appreciation for the world around them.

Publicity and outreach activities

By Kenny Lam and Albert Yeu

Job shadowing for secondary school students

Publicity and Outreach Sub-committee launched the enhanced Job Shadowing Programme in the 2025–26 school year as part of the collaboration with the Education Bureau under the Business-School Partnership Programme (BSPP). The scheme offers Secondary 3–6 students direct exposure to civil engineering, supporting their understanding of university pathways, workplace expectations, and emerging industry technologies.

This year, Binnies Hong Kong Limited and Mannings (Asia) Consultants Limited offered job-shadowing places, with the first session held on 23 January 2026 and further activities running through June 2026. Students gained meaningful insights through site visits, demonstrations, and interactions with practicing engineers.

Cheerful group photo with students & mentors

Event Summary: School visit to Kowloon Sam Yuk Secondary School


80 secondary school students participating in the school visit

On 27 January 2026, we hosted an engaging school visit to Kowloon Sam Yuk Secondary School. The event aimed to inspire students with an interest in civil engineering by introducing them to the tertiary academic programmes, career expectations and professional pathways in the field. Through interactive discussions and presentations, attendees explored the innovative technologies shaping the construction industry. This initiative not only highlighted the exciting opportunities within civil engineering but also fostered a deeper understanding of the profession's impact on society. We are thrilled to have connected with the next generation of engineers and look forward to further inspiring young minds in the field.

Event Forecast: Career Development Experience Day

We are excited to announce a 2-day Career Development Experience Day in June 2026 designed for secondary school students. Hosted by Mannings (Asia) Consultants Limited, this initiative offers participants a unique opportunity to step into the shoes of a civil engineer. Students will visit both the design office and construction sites, gaining firsthand insight into the daily responsibilities and challenges faced by professionals in the field. Through interactive sessions and guided tours, participants will engage with experienced engineers, learn about innovative design processes, and witness the practical applications of engineering principles. This experiential programme aims to inspire the next generation of civil engineers, fostering interest and understanding in a vital industry that shapes our infrastructure and communities. We look forward to empowering young minds and cultivating future leaders in civil engineering.


Career Development Experience Day held in August 2025

Presidential visit to Hong Kong 2026 – Strengthening dialogue, showcasing innovation and connecting our community

By Hong Wan

ICE President David Porter visited Hong Kong in January 2026 for a comprehensive programme of meetings, technical engagements and member activities. The visit reinforced Hong Kong's strategic importance to the Institution and highlighted the city's continued leadership in infrastructure excellence and professional development.

Strengthening strategic engagement with government and professional bodies

The visit commenced with a meeting with Mr Ricky Lau, JP, ICE Representative for Hong Kong. Discussions focused on Hong Kong's infrastructure ambitions, the importance of talent development and opportunities for ICE to continue supporting the Government's drive for efficient, sustainable and resilient project delivery.

This was followed by a meeting and luncheon with senior leaders of the Hong Kong Institution of Engineers (HKIE), led by President Ir Alice Chow. Dialogue centred on shared priorities, including nurturing new talent, promoting innovation and strengthening collaboration under the reciprocal recognition agreement between ICE and HKIE.

Meeting with HKIE President Ir Alice Chow

David also met with Ms Mable Chan, JP, Secretary for Transport and Logistics Bureau, for an exchange on Hong Kong's transport vision and the role of sustainable, people centred mobility. Ms Chan shared recent developments, including the opening of the Yau Ma Tei section of the Central Kowloon Bypass and discussed opportunities to enhance public engagement and promote greener transport initiatives across the city.

Gaining insight into Hong Kong's major infrastructure initiatives

Throughout the visit, David engaged with project teams responsible for some of Hong Kong's most significant infrastructure programmes. At the Airport Authority, he received an in depth briefing on the Three Runway System and the Airport City development.

David received a technical briefing from the Hong Kong–Zhuhai–Macao Bridge project team, who outlined the key engineering aspects of this landmark cross–boundary link. While viewing the bridge from afar, David gained valuable understanding of its design, delivery challenges and long-term regional importance.

A further highlight was a visit to the newly opened Central Kowloon Bypass–Yau Ma Tei Section, where he learned about the engineering solutions that enabled this vital east–west connection through one of Hong Kong's busiest urban districts.

Visit to Hong Kong International Airport

Meetings with the Civil Engineering and Development Department (CEDD) provided an overview of the Northern Metropolis, Hong Kong's most significant long term development initiative.

Industry and academic engagements – company visits and knowledge exchange

David met with senior leadership and young engineers at Gammon, ICE's first international corporate partner, recognising their strong commitment to training and innovation. He also visited Arup Hong Kong, where discussions focused on the firm's multidisciplinary contributions to Hong Kong's built environment, climate resilience and sustainable urban development.

David engaged with the MTR Corporation, where he met senior executives and delivered a sharing session titled "Being an Informed Client." Addressing an audience of engineers, he emphasised the importance of informed decision-making in major projects and the need for clear, purpose-driven communication. The session included a concise fireside chat exploring client leadership, project governance and effective communication with stakeholders insights that resonated strongly with the MTRC colleagues.

Fireside chat with MTRC colleagues

David also met Prof Wei Pan and Prof CK Mak at the University of Hong Kong, where discussions focused on academic–industry collaboration, talent development and the role of research in driving innovation across the profession.

Presidential reception – celebrating professionalism and public engagement

The ICE Hong Kong Presidential Reception at the Hong Kong Club brought together fellows, members and partners for an evening of professional connection and shared purpose.

In his address, David outlined his presidential theme and highlighted the vital role of informed clients in enabling sustainable and people centred infrastructure. He also stressed the importance of engineers being able to communicate effectively with society-emphasising clarity, simplicity and public understanding as essential components of modern engineering leadership.

President Porter delivering his Presidential Address at the Hong Kong Club


The Presidential Reception drew a large and enthusiastic audience of members and guests

ICarE x Hong Kong Red Cross x Caritas – Tui Min Hoi village community improvement

By Winnie Lai

ICE Caring Engineering (ICarE) partnered with the Hong Kong Red Cross and Caritas to address everyday safety and accessibility in Tui Min Hoi and nearby villages, where many residents are seniors or mobility-impaired. Following site walks and resident interviews, volunteer engineers delivered practical, low-maintenance solutions suited to local conditions. Solar lighting now brightens key paths for safer night-time movement; simple covers and ramps smooth wheelchair access at doorways and crossings; and anti-slip treatments reduce risks during wet weather. Residents report safer, easier routines, demonstrating how targeted engineering can improve living conditions quickly, accessibility, and sustainability. The project's impact was recognised at the CIC Construction Industry Volunteer Award Scheme 2025, where ICarE received Excellence in Construction Industry Volunteering Project (Merit Award) (評審嘉許：非凡建造業義工項目〈優異獎〉) for the Sai Kung Tui Min Hoi Village Community Improvement Project.

Ramps installed to improve accessibility for wheelchair users

Anti-slips installed to improve safety of villagers

Volunteers at the Sai Kung Tui Min Hoi Village

STEM outreach visit for students with Special Educational Needs (SEN)

By Winnie Lai

On 10 and 17 May 2025, ICarE and The Salvation Army delivered an inclusive STEM programme that introduced civil engineering through hands–on activities and a guided visit to CEDD's Po Shan Drainage Tunnel–Landslide Sci–Tech Chamber. With clear explanations, paced facilitation, and simple models, students connected classroom ideas to real-world safety–how slopes are stabilised, how water is managed, and why good engineering protects people and places. Volunteers observed strong engagement throughout, with students asking thoughtful questions, testing ideas, and collaborating on small challenges. Students explored real–life engineering projects tangibly, like the automatic real–time groundwater monitoring system and underground tunneling construction. Feedback from educators highlighted growing curiosity about engineering pathways, improved confidence, and a deeper understanding of slope safety and community resilience.

Looking Ahead

ICarE will continue supporting neighbourhoods with similar needs through evidence–led, low-maintenance solutions and accessible STEM experiences that sustain benefits over time. We aim to spark lasting interest in engineering across school and community settings, while volunteers build communication, facilitation and teamwork skills through meaningful service.

Students learning the effect of materials on slope stability

Students learning about the tunnel via AR tools

STEM workshop for SEN students

Message from ICE HKA G&S Chairman Session 2025–26

It is a great honour to chair the Graduates and Students Division (G&S) of ICE HKA for Session 2025-26. G&S turns 26 this year, and I am immensely grateful to be part of this exciting journey. I would like to express my heartfelt gratitude to the ICE HKA Committee, the Regional Support Team, and my predecessors for their invaluable support. I am particularly indebted to my immediate predecessor for his outstanding leadership during our memorable 25th anniversary session. As we reflect on our quarter-century of impact, we recognise that the strength of G&S lies not only in what we achieve today, but in the experience and institutional wisdom inherited from those who came before us. This legacy guides our vision and anchors our purpose.

I want to extend my sincere thanks to every committee member and helper in our dream team, full of passion and talent. Your dedication to advancing the professional and personal development of engineering graduates and students has been truly remarkable. Together with over 100 committee members and helpers, we are committed to making G&S a thriving community in which members can grow, connect, and excel. This year, we are also mindful of our responsibility to nurture the next generation of G&S leaders, ensuring that the knowledge, relationships, and values we have built are thoughtfully passed on to those who will lead the Division in the future.

The title of ICE President Mr David Porter's presidential address this year is "You, Me, and ICE", which speaks to the heart of what we do. The institution is defined by its people, and it is through meaningful connections between members, with industry professionals, and across borders that we build a stronger engineering community. This philosophy guides everything we organise: from technical knowledge-sharing to career development, from local engagement to global exposure. We believe that, by strengthening these bonds and intentionally transferring the experience and insights we have gained, we equip our members not only with technical expertise but also with the resilience and collaborative spirit needed to shape a sustainable future.

Highlighted Events

To help our members strive for engineering excellence while building rewarding careers, G&S has organised a diverse range of events throughout 2025 and into 2026. These events reflect our commitment to blending proven practices with fresh perspectives, drawing on lessons learned from past cohorts while creating innovative opportunities for today's members.

South Africa Delegation 2025: This overseas delegation offered members a unique opportunity to explore civil engineering practices across the African continent. Through site visits and direct engagement with local professionals and government authorities, delegates broadened their global perspective and built valuable international networks. These experiences enrich the collective knowledge of our Division.

Communications Competition 2025-26: This flagship competition challenged members to refine their presentation and problem-solving skills through a realistic mock public consultation scenario. Participants distilled complex engineering concepts for non-specialist audiences, a vital competence for future industry leaders. The insights gained by successive cohorts continue to elevate the standard of this competition year on year.

The Princess Royal Award for Emerging Engineers 2026: Formerly the Emerging Engineers Award, this prestigious competition invites young engineers to submit and present research papers. Winners of the regional final will have the exceptional opportunity to compete at the Global Finals in the UK, gaining international recognition for their innovation and contributions, and returning to share their learning with peers at home.

One Day Seminar 2026: A cornerstone of our annual calendar, this seminar brings together leading practitioners and emerging engineers for in-depth knowledge exchange. This year's theme, "From Risk to Resilience: Unlocking Climate, Nature and ESG Opportunities for Tomorrow's Engineers," directly addresses how our profession can adapt to climate and environmental challenges while capitalising on sustainability-driven business opportunities. The seminar benefits from the expertise and speaker networks cultivated across 26 years of G&S engagement.

Shaping Our Future City 2026: We continue our mission to inspire secondary school students and promote civil engineering as a career. Under the theme "Redeveloping the town, connecting all around," students will tackle real infrastructure challenges in Kai Tak, designing sustainable solutions that enhance community connectivity while balancing environmental, social, and economic considerations. This flagship campaign carries forward the pedagogical approach and stakeholder partnerships refined across nearly a decade of delivery, a testament to institutional memory in action.

Technical Webinars and Site Visits: Throughout the session, we facilitate peer learning through expert-led webinars on infrastructure projects around the globe and curated site visits to cutting-edge local developments. These opportunities allow members to gain practical exposure to diverse engineering disciplines and project scales, strengthening their industry networks while building on relationships and insights from previous years.

Moving forward, G&S will continue to serve our members with dedication and contribute to Hong Kong's engineering community. Our ties with young committees of local institutions and overseas professional bodies grow stronger each year, opening doors for collaboration, knowledge exchange, and global engagement. We are committed to documenting and sharing the lessons, relationships, and best practices that make G&S distinctive, ensuring that future leaders can build upon our foundation with confidence and clarity.

Enoch Lee
Chairman
Graduates and Students Division
Session 2025-26

Committee members at ICE HK Presidential Reception 2026


G&S Committee Session 2025-26

G&S South Africa Delegation 2025

By Enoch Lee

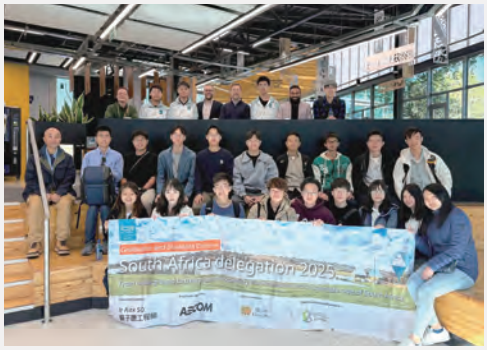
Between 30 May and 7 June 2025, 24 delegates from the G&S embarked on a transformative delegation to Johannesburg and Pretoria, South Africa. The visit provided a rare opportunity to explore engineering practices in a country where infrastructure development thoughtfully integrates technical excellence with social and environmental realities.

The delegation was designed to foster global exchange and broaden the professional horizons of young engineers. South Africa's unique challenges, ranging from historical inequality to vast natural resources and rapid urbanisation, provided a compelling backdrop for learning how engineering can be adapted to diverse conditions.

Cullinan Mine

SAICE House

Melville Koppies Nature Reserve



University of Pretoria

Technical site visits formed the backbone of the trip. At Cullinan Diamond Mine, delegates observed modern excavation techniques including controlled blasting, shaft sinking and ventilation systems. The mine's integration of safety protocols and community engagement highlighted how engineering can support both productivity and social responsibility. In contrast, historical mining methods were explored at Kloofendal Nature Reserve, where delegates examined one of Johannesburg's oldest gold mines and learned about traditional hand-digging techniques used over a century ago.

Geological exploration continued at Melville Koppies Nature Reserve, where delegates studied the region's stratigraphy and mineral formation processes. A visit to Bothongo Wondercave offered a deep dive into ancient rock formations and the structural challenges of preserving underground environments.

Environmental engineering and conservation were also key themes. At Pilanesberg National Park, delegates learned about non-intrusive park management strategies that maintain biodiversity while supporting eco-tourism. Seminars at the University of Pretoria introduced cutting-edge research on wildlife corridor design using GIS, water-sensitive urban design (WSUD) and slope stabilisation in semi-arid regions, technologies that could be adapted to Hong Kong's own urban and hillside environments.

The delegation also explored how infrastructure can support inclusive development. At Zutari, a leading engineering consultancy, delegates were briefed on the N2 Wild Coast Toll Road project, which integrated local employment, environmental protection and technical innovation. Complementing this, the visit to the Rovos Rail depot offered a unique perspective on heritage preservation in transport infrastructure.

Cultural immersion was an integral part of the experience. Visits to the Apartheid Museum, Mandela's House and Lesedi Cultural Village provided context on South Africa's social history and ethnic diversity. These experiences helped delegates appreciate how engineering must respond to cultural and historical factors, not just technical requirements.

The delegation concluded with an exchange session with the SAICE, where delegates discussed professional development pathways, licensing systems and the role of engineers in shaping national policy. Despite differences in geography and context, the conversations revealed shared values and aspirations among young engineers from both regions.

For many participants, this was their first time in Africa. The experience challenged assumptions, expanded perspectives and reinforced the idea that engineering is a global language - one that connects people, solves problems and builds a better future across boundaries.

Shaping Our Future City 2025

By Bryan Lam

Shaping Our Future City (SOFC) is an annual flagship event of G&S, with the aim of promoting civil engineering to local secondary students. With the theme of SOFC 2025 this year being 'Bridging communities, shaping sustainability', students were tasked with developing a walkability improvement proposal for the given hypothetical project scenario. Through a series of theme talks, workshops and visits, the campaign aimed to raise awareness about the societal importance of walkability enhancement projects and address potential engineering challenges throughout a civil engineering project.

Supported by more than 30 organisations, including government departments, public organisations, tertiary education institutions and engineering companies, the campaign engaged 38 students from seven local secondary schools. These students were guided by 19 facilitators, assisting them throughout the four-month-long campaign held from February to May 2025.

The campaign kicked off on 23 February 2025. The objective of the first day was to motivate teams to develop their own proposal for a given project scenario, by drawing participants' attention to the pressing need for walkability enhancement within the project site. The first day featured a theme talk on the significance of walkability projects delivered by Mr Patrick Qian from the Highways Department.

The theme talk was followed by a city hunt in the afternoon, during which students had the opportunity to collaborate as a team to explore the project site and tackle checkpoints along the way. The checkpoint minigames involved assigning teams with roles of key stakeholders to arouse empathy towards difficulties faced by the local community. Students were also given the chance to familiarise themselves with the layout of facilities within the site, identifying potential issues related to accessibility.

The second day further exposed students to technical knowledge on civil engineering design. The day started with a series of theme talks and engineering challenges were organised to prepare students for the upcoming scenario-based project. These talks' covered both the planning and structural design of pedestrian linkages and footbridges, introducing the students to alignment design, and different structural forms and construction materials for footbridges. In the afternoon, students were tasked with an engineering challenge of building a 300mm-long paper straw bridge within 2.5 hours to apply engineering concepts in a practical setting. The goal was to create a bridge that could efficiently bear vertical loads while using the least amount of material possible. By utilising the knowledge of structural design from the previous theme talk, teams were able to support loads heavier than 7kg by using less than 200g of materials.

Closing ceremony of SOFC 2025

Day three began with two separate visits to ongoing walkability projects - the Pedestrian Link connecting Pak Tai Street and Sung Wong Toi Station and the Boardwalk underneath Island Eastern Corridor. At the Pedestrian Link at Sung Wong Toi, students first learnt how historical discoveries led to a redesign from a subway to a footbridge, and how innovative solutions like Building Information Modelling (BIM) and Self-Propelled Modular Transporter (SPMT) were used to enhance coordination and construction efficiency in a constrained urban environment. At the Boardwalk underneath Island Eastern Corridor, students were taught how walkability infrastructures serve to enhance public space through sustainable and user-centred design in addition to improving connectivity. Students also observed how unique construction methods were adopted for structures being constructed above the pile caps of an existing viaduct. In the afternoon, students engaged in a workshop featuring the ICE CityZen digital game, where they immersed themselves in the role of professional civil engineers overseeing various construction projects. Under the guidance of facilitators, teams engaged in a dynamic decision-making process, tackling project management challenges such as budgeting, scheduling, risk assessment and stakeholder communication. This interactive session reinforced key competencies including critical thinking, teamwork and problem solving, giving the students a taste of the complexities involved in delivering real engineering projects.

Students presenting in the mock public consultation

The grande finale of SOFC 2025 was held on 4 May 2025. The eight teams of secondary student participants had the opportunity to showcase their walkability improvement proposal for the given project scenario, after consolidating their learnings from the activities organised over the course of three months. G&S was honoured to have Mr Ricky Lau, JP, ICE Representative for Hong Kong, give an opening speech on the vision of implementing sustainable transportation and enhancing walkability in Hong Kong.

With the theme of the competition being a mock public consultation, each team justified the necessity of their proposal during the planning stage, illustrated their choice of the design scheme with interactive graphics, narrated the construction method to be adopted, and last but not least featured the adoption of engineering innovation and considerations towards sustainability. Based on the teams' presentations, three finalists were chosen to enter the stakeholder forum. While the remaining teams represented a variety of key stakeholders to express their opinions on the finalists' walkability improvement proposal, finalists had to properly address the concerns and interests of such stakeholders from the perspective of a project team. All judges were impressed by how well-prepared the eight teams were, the quality of presentation and the fluency in communication during the stakeholder forum. Following the judges' comments, we were honoured to have Mr Liu Chun San JP, Under Secretary for Transport and Logistics, deliver the closing speech of the campaign.

Reflecting on this year's campaign, Hong Kong is amidst the challenge of meeting an ever-increasing transportation demand. It is more important than ever before that the new generation of civil engineers equip themselves with the knowledge of current affairs and novel engineering methodologies to deliver universally accessible and green transportation infrastructure.


Students participating in the city hunt


Students testing out their paper straw bridge

One Day Seminar on infrastructure resilience and adaptation

By Isaac Won

G&S One Day Seminar 2025 on 'Infrastructure resilience and adaptation - engineer a vibrant and sustainable future' was held at the Hong Kong Convention and Exhibition Centre on 1 March 2025.

We are honoured to have two keynote speakers and eight distinguished speakers from a broad spectrum of backgrounds to share their insights on how technologies, policies and contractual management could be applied to enhance infrastructural resilience against climate change, including challenges such as extreme rainfall, the rising sea levels and increasing temperature.

To start off the event, we had Mr Sanjaya Bhatia from the United Nations Office for Disaster Risk Reduction Northeast Asia and Mr Roger Wong, JP, from the Water Supplies Department to deliver their speeches as our keynote speakers. Mr Bhatia covered fundamental disaster risk reduction principles, the Sendai Framework's role, its relationship with global initiatives such as the Paris Agreement and Sustainable Development Goals, current Disaster Risk Reduction trends such as cascading risks and underlying drivers, as well as relevant examples for civil engineers on how to effectively implement disaster risk reduction strategies.

Hong Kong relies on surface runoff, imported supplies, and seawater for water supply. To strengthen the resilience of the water supplies system, Mr Wong outlined that Hong Kong's Water Supplies Department has proactively adopted the Total Water Management Strategy since 2008 to address climate change challenges and increasing water demands. Mr Wong also discussed key initiatives under the Strategy and highlighted the commitment by the Water Supplies Department towards the digitalisation of water supply services.

Prof Christine Loh, SBS, JP, OBE, delivering the opening address

Mr Roger Wong, JP, presenting WSD's Total Water Management Strategy

Presentation by Mr Sanjaya Bhatia from UNDRR

Mr Edwin Lau, JP, from the Drainage Services Department, covered how the Drainage Services Department has responded to climate change by introducing a robust flood management strategy aimed at bolstering flood resilience in Hong Kong. The presentation outlined the city's three-tier flood prevention approach, highlighted the Drainage Services Department's dedication to combating climate change impacts, and detailed plans for an integrated flood management strategy. This included digitalisation of flood control systems, as well as the use of robotics and Internet of Things for adaptation, resilience, and effective management in the face of evolving challenges.

Prof Francis Au from Asia Infrastructure Solutions discussed how bridge design in Hong Kong has evolved over the past decades to cater for seismic design and temperature changes. Notably, there was a stronger emphasis in ductility, in addition to ultimate strength. In response to the escalating impacts of climate change, Prof Au discussed that the government has prioritised infrastructure resilience, conducting investigations and research to understand and address the implications of climate change on bridge design requirements.

Mr Robert Gerrard from Thomas Telford Limited discussed how the new X29 clauses in the NEC4 contract provide a platform for project teams to collectively put forward and implement measures to meet climate change targets. Mr Gerrard provided guidance on how parties to the contract could make the most out of the clauses, starting with understanding the framework, setting goals that align with the project, and eventually to managing them throughout the project.

Dr Raymond Cheung from the Geotechnical Engineering Office delved into the evolution of the Hong Kong Slope Safety System since 1977, highlighting recent advancements aimed at bolstering resilience against climate change impacts. These include innovative slope engineering techniques, enhanced predictive capabilities, and the integration of technologies like AI, IoT, digital twins, and VR/AR for more effective landslide risk management and emergency response.

We were also honoured to have Prof Christine Loh, SBS, JP, OBE, to deliver our opening address and be our moderator along with Prof Ken Ho for discussion sessions. Their expertise and experience guide the guests and participants through the discussion session, enabling the participants to acquire invaluable takeaways and in particular a broader understanding of how infrastructural resilience against climate change could be achieved.

Finally, we were privileged to have The Hon Gary Zhang delivering the closing speech to wrap up the symposium. He outlined the commitment by the government towards infrastructure development, and in particular on enhancing infrastructure delivery. He emphasised how adopting technology in construction would be key to driving productivity and encouraged graduates and students to keep abreast of emerging trends in the industry.

Participants acquired invaluable takeaways and in particular a broader understanding of knowing infrastructural resilience against climate change could be achieved by integrating government strategies, engineering design, novel materials, application of technology and contract provisions.

On behalf of G&S, we would like to express our sincere gratitude to speakers and guests for sharing their foresight towards infrastructure resilience and adaptation to climate change in Hong Kong.

Discussion Session

Model Building Competition 2025

By Hayden Yeung

The Model Building Competition 2025 was held on 29 and 30 March 2025 at the Hong Kong University of Science and Technology (HKUST). As the first-ever water-themed model building competition, this groundbreaking event introduced innovative elements that elevated the learning experience for undergraduate participants. Designed to bridge the gap between theory and practice, the competition challenged students to apply their classroom knowledge to real-world engineering scenarios. This year's theme, 'Structural design of coastal defence structures against tides and waves', inspired participants to creatively address the challenges of maritime and coastal engineering.

What set the 2025 competition apart was its unique emphasis on hands-on experience. For the first time, concrete was used as a primary building material, and teams had to manage fictional budgets, balancing innovation with cost efficiency. Moreover, sustainability was integrated into the marking scheme, with teams assessed on the environmental impact of their designs, including carbon emissions from materials used.

The teams were tasked to design and construct two structural models, a breakwater and a seawall, using concrete, plywood and styrofoam. These models were subjected to wave load tests in the Water Resources Laboratory, simulating real-world conditions. The competition also required comprehensive presentations where teams explained their designs, cost management strategies and environmental considerations. This aspect encouraged critical thinking and effective communication-skills essential for future engineers.

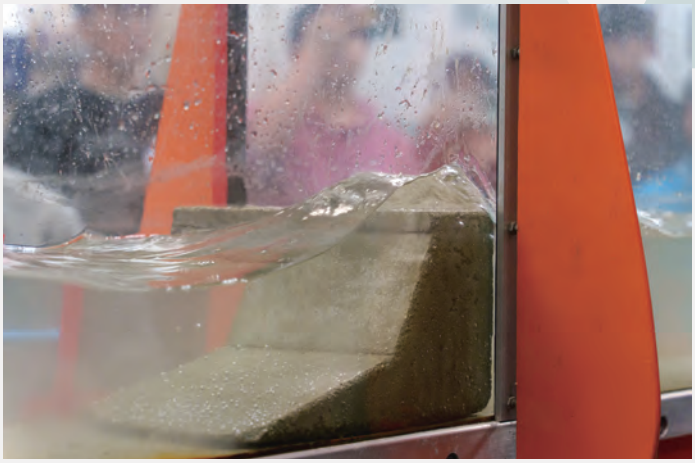
The event was judged by an esteemed panel of experts: Mr Edmond Chan, Associate Director at AECOM; Mr Terence Leung, Associate Director at Arup; and Mr Anthony Wong, Associate at AECOM. The judges evaluated models based on innovation, structural integrity, cost efficiency and sustainability, while also providing participants with valuable feedback.

Participants and judges at the opening ceremony

As the day concluded, the winners were announced during an enthusiastic awards ceremony. The champion went to Concrete Mangrove from the City University of Hong Kong, whose exceptional breakwater and seawall design demonstrated creativity, resilience and environmental awareness. The first runner-up was awarded to the Clear Water Bay Blocks Team from HKUST, while the second runner-up went to Tethys's Embrace from the Hong Kong Metropolitan University. The Best Presentation Award was given to Poly Wall Builder from the Hong Kong Polytechnic University for their outstanding ability to articulate the engineering concepts behind their design.

We would like to express our special thanks to HKUST for creating a conducive environment for our participants to showcase their ideas. Our gratitude also extends to Professor Qiu, Professor Ghidaoui, and their research team from the Department of Civil and Environmental Engineering at HKUST. Their unwavering support has provided a valuable platform for undergraduates to test their designs and gain insights into both maritime and civil engineering.

Panel of esteemed judges. (Left to right) Mr Edmond Chan, Mr Terence Leung and Mr Anthony Wong



A seawall model undergoing wave load testing in the Water Resources Laboratory

University introductory talk 2025

By Chris Chan

From October to November 2025, G&S organised a series of university introductory talks at six local universities and higher education institutions for over 500 university students who have recently been admitted to engineering majors.

Mr Enoch Lee, Ms Megan Fong and Mr Chris Chan, Chairman, Vice Chairman and student development team leader respectively of G&S, introduced the background of ICE and ICE Hong Kong, and highlighted the significance of being part of a professional institution. They also gave an overview of various paths to achieving chartership, and pointed out the numerous benefits of joining ICE Student membership, which included professional and personal growth, international exposure, career inspiration and networking opportunities.

We extend our heartfelt gratitude to the following tertiary education institutions for their support to us, and this was key to encouraging stronger participation in professional institution among the next generation of civil engineers:

The City University of Hong Kong

The Hong Kong Metropolitan University

Technological and Higher Education Institute of Hong Kong

The Hong Kong Polytechnic University

The Hong Kong University of Science and Technology

The University of Hong Kong

ICE introductory talk at the University of Hong Kong

Mock CPR workshops 2025

By Raymond Choi

Preparing our members for the Chartered Professional Review (CPR) has long been one of the core functions of G&S and our mock CPR workshops have always been popular among our members preparing for their reviews. In 2025, we have organised ten such workshops which were timed with CPR dates in order to have the maximum effect. Besides allowing participants to familiarise themselves with the actual setting, rundown and atmosphere of the CPR, these workshops also helped participants strengthen their competencies as professional civil engineers in the near future.

Each workshop consisted of two candidates. Based on their Professional Review reports, each candidate first delivered a presentation to showcase their abilities through past practical experiences. Two seasoned facilitators then acted as interviewers to assess and evaluate the candidates' competences in achieving the seven ICE attributes in the interview. After that, the facilitators provided useful feedback and comments on the candidates' capabilities and performances, while suggesting room for improvement.

During the concluding Q&A session, attendees consulted facilitators about the CPR process, receiving experienced advice and insights.

Interview of one of the candidates by facilitators

Communications competition 2025–26

By Noah Tsang

The G&S Communications Competition 2025-26 mock public consultation meeting was successfully held on 10 January 2026 with enthusiastic support from young engineers and esteemed judges from sustainable development, transportation planning, and water engineering.

Participating teams were tasked with a hypothetical project scenario focused on the development of Metropolitan Tech University Town. After two months of preparation, each team had 12 minutes to present their development proposals and consultation strategies to the judges. Three teams presented their visions for both short-term and long-term developments in the mock public consultation meeting. Each presentation was followed by a Q&A session with the judges, testing the teams' technical knowledge and ability to respond under pressure.

The judges were incredibly impressed by the teams' communication skills and engineering judgements. The teams effectively promoted their approaches to the public. The judges recommended that, in a real-world scenario, teams should collaborate with various professionals and consult a broader range of stakeholders.

G&S would like to express our sincere appreciation to the esteemed judges, Mr Gavin Wong from the Civil Engineering and Development Department, Ms Shirley Chen and Ms Pearl Hui from AECOM for sharing their knowledge and experience with our participants.

Group photo of Communications Competition 2025-26


Winning team of Communications Competition 2025-26

The Princess Royal Award for Emerging Engineers 2026 Hong Kong regional final

By John Chung

The Princess Royal Award for Emerging Engineers (formerly the Emerging Engineers Award) 2026 Hong Kong regional final was held on 24 January 2026. The shortlisted finalists presented their research to the audience.

Mr Ryan Tsang was crowned champion with his presentation on “Alkali-silica reaction of foam glass aggregates in lightweight concrete”. His study investigated the potential application of lithium hydroxide (LiOH) solution for the surface passivation of the foam glass aggregate and aimed to mitigate the risk of alkali-silica reaction (ASR) in concrete associated with the use of foam glass aggregates through the surface passivation method with LiOH solution. In his experiments, the test results demonstrated the successful formation of a lithium silicate protective layer and reduced average expansion of concrete containing passivated aggregate.

Group photo after the presentation of awards

The judging panel commended the exceptional quality of all shortlisted research studies, emphasising how closely the finalists were matched. The runners-up included Mr Dominic Tsui, with his presentation on “Convolutional Neural Network (CNN)-based Machine Learning Techniques for Damage Detection of Bridge Structure Considering Vehicle-Bridge Interaction”; and Mr Lui Hoi Hin, with his presentation on “Lime Stabilisation Limits in Hong Kong Marine Clay: Water Content’s Critical Role in Ultimate Limit State”. G&S extended its gratitude to the esteemed judging panel, which included Mr Francis Sootoo from Systra, and Professor Goman Ho and Mr Kenneth Kwok from Arup.

Design thinking workshop 2025

By Hayden Yeung

ICE HKA G&S, Association of Consulting Engineers of Hong Kong Young Members Committee (ACEHK YMC), and the Chartered Institution of Highways and Transportation Hong Kong Emerging Professional Committee (CIHT HK EPC) jointly hosted the design thinking workshop 2025 on 12 and 15 November 2025, providing a collaborative platform for young engineers to apply design thinking to a real-world transport brief. This year's case-competition challenged teams to develop proposals for a cross-harbour connection, combining technical rigour with stakeholder-centric communication through a mock public consultation.

The programme opened with a pre-workshop technical webinar on 12 November 2025. Mr Ken Chan, team leader for the civil engineering team at Arup, and Mr James Pitchforth, a bridge and civil engineering specialist, shared their knowledge and real-life project experience with participants, drawing on major works such as urban highway corridors, cross-harbour and subsea links, heavy rail and metro extensions, and international bridge and tunnel developments. Their talks equipped attendees with background information on design considerations, construction challenges and stakeholder issues relevant to cross-harbour connections, laying a strong foundation for the competition.

On 15 November 2025, teams received the detailed project scope in the morning and worked intensively with industry facilitators to frame problem statements, map stakeholders and iterate proposals. In the afternoon, each team delivered a 10-minute presentation followed by a Q&A session with judging panel comprising Ms Candy Ho, Senior Engineer at the Transport Department; Mr Jeff Ng, Director of Transport and Infrastructure at WSP (Asia) Limited; and Mr Terry Chan, Executive Director at AECOM Asia Company Limited. Guests included Mr Ole Wong, Vice Chairman of the Association of Consulting Engineers of Hong Kong, and Mr Alan Yan, Chair of the Chartered Institution of Highways and Transportation Hong Kong, who shared perspectives on industry expectations and professional standards.

Pre-workshop technical webinar

Teams presenting their proposals

Judges assessed entries on clarity of design rationale, technical feasibility, risk and staging, stakeholder engagement strategy and effectiveness of communication under scrutiny. The competition concluded with the announcement of prizes. G&S extended warm congratulations to the prize-winners for outstanding technical rigour, well-structured option evaluation and confident responses under Q&A pressure. The judging panel commended the winners' integration of consultation insights and defensible narratives for complex cross-harbour schemes, while guests praised the alignment for meeting professional standards and being innovative. G&S also expressed our gratitude to all speakers, guests, judges and facilitators, and applauded every participating team for their collaboration and high-quality submissions that made Design Thinking Workshop 2025 a success.

Site visit to Fanling North and Kwu Tung North New Development Area

By Henry Lam

G&S organised a site visit to the Fanling North and Kwu Tung North New Development Area on 15 November 2025. The Fanling North and Kwu Tung North New Development Area is a landmark land development project covering 612 hectares, featuring comprehensive urban development that will accommodate 226,700 residents and 53,100 jobs once complete. The project integrates residential, commercial and recreational facilities, including Long Valley Nature Park, a vibrant town centre near Kwu Tung station and extensive cycle tracks. The project is being implemented as part of the Northern Metropolis development, and was the first New Development Area project to enter the construction stage with all infrastructure works scheduled for completion by 2031.

The site visit commenced with an informative presentation by project representatives who outlined the strategic significance of the development area within Hong Kong's Northern Metropolis development framework. They introduced participants to the project's groundbreaking features, including the world's first application of ultra-high strength S960 steel in footbridge construction and the pioneering implementation of horizontal vehicular bridge rotation operations. The technical overview covered advanced rotational bearing systems utilising high-strength steel bearings equipped with low-friction polytetrafluoroethylene (PTFE) sliding plates for optimal performance and longevity.

Following the presentation, participants proceeded to the construction site where they observed the ongoing innovative horizontal vehicular bridge rotation operations. Site representatives demonstrated practical applications of S960 ultra-high-strength steel, explaining how these advanced materials are utilised and coordinated during complex construction phases. The site tour provided hands-on exposure to the integration challenges between innovative engineering techniques and environmental conservation requirements within the 612-hectare development area.

An additional highlight of the visit was the development of the skatepark. Site representatives shared insights into the LITHOCHROME Tintura Stain colour system and Selectseal plus transparent protective coating applications, comparing implementation approaches with other Hong Kong skateparks including the SLS Certified Skatepark at Lai Chi Kok Park.

G&S extended sincere gratitude to the Civil Engineering and Development Department (CEDD) and project contractors for their excellent hospitality and comprehensive technical presentations, whose valuable contributions made this educational experience possible for Hong Kong's construction professional community.

Site visit to the horizontal vehicular bridge rotation operations

Group photo of the site visit

Visit to Hong Kong Observatory

By Megan Fong

On 25 October 2025, G&S organised a technical visit to the Hong Kong Observatory, Hong Kong's first meteorological station, established in 1883. A total of 23 participants joined the tour to admire the observatory's historical weather instruments that formed the foundation of modern forecasting and underpinned contemporary climate science and meteorological research.

The visit began with an introduction to Hong Kong's meteorological history, outlining the development of weather services from the late 19th century to today. This was followed by an overview of the city's warning systems, including the tropical cyclone warning signals and the rainstorm warning system. Major weather-related incidents in Hong Kong's history were also highlighted, reinforcing the importance of early warning mechanisms, disaster preparedness and public awareness in safeguarding the community.

Following the tour, participants gained a deeper understanding of the strategic location of the Hong Kong Observatory and its historical significance. Situated on a hilltop overlooking the Victoria Harbour, the observatory played a crucial role in maritime navigation during the early colonial era. It served as a reliable reference point for seafarers navigating the busy harbour and for local citizens who relied on accurate timekeeping and weather forecasts in their daily lives.

Group photo at the Hong Kong Observatory

Participants also had the opportunity to visit and observe a range of meteorological instruments at the Hong Kong Observatory, gaining firsthand knowledge of how these devices contribute to accurate weather monitoring and forecasting. The group saw instruments such as the rain gauge, temperature measurement apparatus and the heat index monitoring system, each playing a vital role in capturing real-time climate data. Through detailed explanations by the observatory's guide, participants learned how these instruments collect, calibrate and transmit data to support daily forecasts, extreme weather warnings and long-term climate research. The visit offered a valuable glimpse into the precision and engineering expertise behind Hong Kong's advanced meteorological observation network.


Participants observing meteorological instruments

Sharing session – Mastering public engagement in the public sector

By Hayden Yeung

ICE HKA G&S, ACEHK YMC and Hong Kong Institution of Engineers Young Members Committee (HKIE YMC) jointly hosted a sharing session on mastering public engagement in Hong Kong's public sector on 24 July 2025. The session focused on integrating design thinking methods with proposal development and impact measurement to address the complexities of large-scale infrastructure. Through real-world case studies, the speaker demonstrated stakeholder mapping, risk-aware engagement planning and alignment with statutory processes, showing how transparent decision pathways and clear feedback cycles underpin credible outcomes.

The speaker presented a comprehensive approach to elevating public engagement beyond compliance, organised around four themes: diagnosing context and stakeholders, co-creating problem statements, prototyping engagement touchpoints and defining metrics and feedback loops. Practical guidance covered tone, inclusivity and channel selection, from neighbourhood briefings and site walks to digital surveys and data dashboards, together with techniques for capturing insights that inform design and phasing. Common pitfalls were examined, including consultation fatigue, ambiguous scope and misaligned expectations, with remedies emphasising clarity of remit, staged commitments and early risk communication. Participants worked through examples of crafting persuasive proposals, structuring evaluation criteria and evidencing impact across project stages. The session concluded with an applied toolkit that attendees could implement immediately to embed measurable, trust-building engagement, strengthen governance, and support the timely delivery of complex projects within Hong Kong's unique regulatory and community context.

Presentation of souvenirs to the speakers

The speaker presenting public engagement approaches to the audience

Seminar on framework alliance and term alliance contracting

By Henry Lam

G&S successfully hosted a seminar on Framework Alliance Contracting (FAC-1) and Term Alliance Contracting (TAC-1) on 26 November 2025. The seminar featured Professor David Mosey CBE PhD FICE, principal author of FAC-1 and TAC-1 and emeritus professor at King's College London, alongside distinguished guests Ms Joyce Li, Assistant Secretary of the Development Bureau, and Ms Letty Ma, Business Development Director of NEC, whose valuable contributions made the event possible.

Ms Joyce Li, Assistant Secretary of the Development Bureau giving the opening speech

Professor Mosey opened his presentation by introducing the strategic integration of FAC-1 and TAC-1 within the NEC family of contracts, emphasising their role in advancing collaborative delivery, long-term value and digital integration. He outlined how these alliance contracts have been successfully adopted on procurements worth over £100 billion globally, ranging from small £5 million projects to major £60+ billion contractor/consultant/supplier frameworks let out by the Crown Commercial Service in the United Kingdom.

Professor Mosey then explored practical implementation, demonstrating how FAC-1 acts as an 'integrator' for multiple NEC contracts awarded by clients to consultants and contractors. He detailed key features including Alliance Activities, Core Group decision-making, Supply Chain Collaboration and integrated risk management systems. Professor Mosey emphasised how these contracts embed shared objectives, early warnings and joint decision-making systems to reinforce collaborative behaviours while aligning multi-party delivery with NEC4 principles.

Drawing on extensive case studies, Professor Mosey shared successful past implementations including the UK Ministry of Justice's £1.2 billion New Prisons Programme, Surrey County Council's Project Horizon highways alliance and international projects in Italy including university campuses and metro extensions. He highlighted how the Gold Standard case studies demonstrate average efficiency savings of 18.5% plus innovations in quality, safety, social value, environmental value and dispute avoidance. The presentation showcased how these alliance contracts create effective relationships among clients, contractors and supply chains while seamlessly integrating with existing standard form contracts (JCT, NEC, FIDIC).

The Q&A session generated considerable interest from the audience, with participants asking detailed questions about implementation in Hong Kong's context, integration with local procurement practices and practical considerations for adoption. Discussions covered topics including BIM integration, net zero carbon delivery, supply chain collaboration benefits and dispute avoidance mechanisms inherent in the alliance contract structure.

In conclusion, the seminar provided valuable insights into innovative procurement approaches that have transformed project delivery in other jurisdictions and demonstrated significant potential advantages for Hong Kong's built environment. Professor Mosey's expertise in collaborative construction procurement offered attendees practical understanding of how FAC-1 and TAC-1 could enhance value delivery, improve risk management and strengthen supply chain relationships in local projects.

Professor Mosey presenting the collaborative framework principles of FAC-1 and TAC-1

Seminar on novel concrete practices in South Africa and Hong Kong

By Hayden Yeung

ICE HKA G&S, the Hong Kong Institute of Construction Managers (HKICM), HKIE YMC and SAICE jointly hosted a hybrid technical seminar on novel concrete practices in South Africa and Hong Kong on 1 December 2025 at the City University of Hong Kong. The seminar examined innovative concrete practices across regions, focusing on durability challenges in submerged/marine environments and the use of steel fibre reinforced concrete (SFRC) in major infrastructure. The event attracted over 120 participants, demonstrating strong interest in bridging research, standards and constructible site solutions.

Presenters from Hong Kong sharing their experiences

The programme was structured around two complementary streams delivered through a hybrid format. First, a live-streamed online sharing hosted by the SAICE Future Leaders Panel featured Professor Mark Alexander from the University of Cape Town and his team. Their presentation provided research-led insights into durable concrete in marine exposure, highlighting key deterioration drivers such as chloride ingress and abrasion, and outlining implications for materials selection, durability design and verification testing.

The seminar then transitioned to in-person presentations at the venue in Hong Kong, delivered by the project team of the Tung Chung West Station and Tunnels contract of the Tung Chung Line extension. Drawing on their experiences from their project, the team shared practical lessons on SFRC adoption in underground railway works, and site constraints associated with wet or submerged conditions.

An interactive Q&A session connected both the streamed South African contributors and the on-site Hong Kong team, enabling participants to compare regional approaches, explore specification and assurance practices, and discuss how durability requirements can be translated into robust construction controls. The seminar concluded with appreciation to the speakers and co-organisers for advancing cross-regional learning and strengthening concrete durability practice.

Company visit to Binnies Hong Kong Limited and career workshop

By Irene Li

The company visit to Binnies Hong Kong Limited and the accompanying career workshop, held on 28 November 2025, drew a group of 30 civil engineering students and graduates. The event provided meaningful industry insights and bridged the gap between aspiring civil engineers and industry professionals, fostering a sense of respect and appreciation for the field. Students were also introduced to ongoing water-related projects led by one of the region's leading consulting firms.

The event began with an inspiring sharing from Mr Andy Kwok, Managing Director of Binnies Hong Kong Limited. He shared insights into the importance of dedication in civil engineering to motivate attendees and affirm their career aspirations. This was followed by a presentation on Binnies Hong Kong Limited's current projects, led by Mr Tony Lau, Director of Projects at Binnies Hong Kong Limited. As the sharing moved on, our participants explored BIM implementation for project planning and evaluation, as well as the supportive AI tools employed by Binnies Hong Kong Limited. Towards the end, two engineers from Binnies shared their careers and journeys at Binnies Hong Kong Limited. The workshop concluded with a company tour, during which our participants gained insights into the engineers' working environment.

Company visit to Binnies Hong Kong Limited

Site visit to Tung Chung West Station

By Henry Lam

G&S paid a visit to the Tung Chung West Station project on 6 December 2025. The Tung Chung West Station project is a 1.3km westward extension of the Tung Chung Line from the existing railway tunnels at Tung Chung Station, featuring comprehensive underground railway infrastructure that will enhance connectivity and support both existing residents in Yat Tung Estate and new housing developments at the Tung Chung New Town Extension. The project involves sophisticated tunnel construction using advanced TBM technology and environmentally friendly underground station construction using the top-down excavation method.

Group photo with organisers of the site visit

Site representatives welcomed our members at the site office and gave an overview of the project and key challenges encountered by the project team. To allow for the comprehensive implementation of cutting-edge railway construction technology, the design incorporates advanced mechanised tunnelling operations featuring the 7.3 metre diameter slurry TBM named 'Xihe' which has successfully completed the up-track tunnel excavation towards Tung Chung West Station and commenced boring the down-track tunnel back towards Tung Chung Station. This was accomplished by turning around 'Xihe' using a cutting-edge push-pull method in combination with a self-propelled modular transporter, allowing the TBM to be reoriented and reassembled entirely within the underground launch shaft, avoiding heavy lifting and surface transport at Tung Chung West Station, achieving remarkable efficiency in underground construction while reducing construction time and environmental impact.

Another innovative feature lies in the implementation of safety monitoring and smart construction management systems, utilising real-time data analytics for monitoring high-risk tasks and enhancing site safety performance throughout the construction process.

Afterwards, we visited the ongoing excavation for the Tung Chung West Station, observing the sophisticated use of the top-down excavation technique, where excavation was proceeding after the installation of the top slab, perimeter diaphragm walls, and the supporting barrettes. The method not only reduces the noise and visual impacts of the excavation works to the nearby residents, but also allows for round-the-clock excavation of the station body.

G&S is grateful to MTR and Bouygues-Dragages (1201) Joint Venture for showing our members around and providing comprehensive insights into advanced tunnel boring machine operations, underground railway construction techniques and innovative safety management practices in major transportation infrastructure projects.

Group photo of the site visit

TBM 'Xihe'

Local geo-tour to the Ninepin Group

By Sky Lam

On 12 October 2025, G&S held a local geo-tour to the Ninepin Group (also known as the Kwo Chau Islands) and other surrounding islands. Participants thoroughly enjoyed the breathtaking scenery formed by volcanic rock columns, as well as the rich history of the local communities and monuments.

Group photo on the boat

After a ride through some choppy seas, the tour arrived at the Ninepin Group. Participants enjoyed the beautiful views of this uninhabited group of islands, which include North, South, and East Ninepin Islands, along with the small Kwo Chau islets. The islands, made of unique volcanic rock, rise sharply from the sea, resembling a set of bowling pins, hence the name.

Following this, participants enjoyed a delightful seafood lunch on High Island. After the meal, the tour guide took them to the Tin Hau Temple, which was built during the Qing Dynasty this temple not only served as a place of worship but also functioned as the local school before the 1940s.

After visiting High Island, participants travelled to Kau Sai Chau, where the tour guide invited a local resident to share his experiences of the village. He took the participants to the Kau Sai Village Story Room, which showcases fishing and cultural relics, as well as Hakka herb specimens from the village.

As engineering professionals, discovering, appreciating and respecting nature should guide us to create nature-positive solutions that safeguard and inspire future generations.

Hybrid seminar on navigating construction mediation in Hong Kong

By Hayden Yeung

ICE HKA G&S, the Chartered Institute of Arbitrators (CIArb), the Hong Kong Institute of Highway & Transportation (HKIHT) and the Hong Kong Institute of Construction Adjudicators (HKICAdj) jointly hosted a hybrid seminar on navigating construction mediation in Hong Kong on 20 November 2025. The session explored the practice and evolving landscape of construction mediation in Hong Kong, helping participants better understand how mediation fits into project delivery and dispute resolution, and how practical mediation techniques can be applied to disputes arising in construction projects. The event attracted over 140 in-person and online participants, reflecting strong cross-disciplinary interest in collaborative, time-efficient dispute resolution.

The seminar featured three speakers offering complementary professional perspectives: Mr Peter Ho from PJ Consulting Ltd, Mr Calvin Cheuk from Des Voeux Chambers and Mr Richard Poon from China Railway First Group. The programme covered the fundamentals of mediation, including procedure and logistics. The speakers also clarified the key differences between mediation, arbitration and litigation, enabling participants to better match dispute pathways to commercial objectives, programme constraints and evidential realities.

A key discussion examined facilitative versus evaluative mediation, outlining respective strengths and limitations and prompting reflection on which approach is more effective for common construction scenarios. The session also addressed how mediation interfaces with adjudication, and reviewed how dispute resolution is positioned within major standard forms and local practice. Case-based insights highlighted recurring pitfalls and best practices, emphasising preparation, disciplined communication, realistic settlement parameters, and a clear process framework to improve the likelihood of reaching agreement.

Discussion session of the seminar

Webinar on submerged floating tunnels – a structure with an identity crisis

By Hayden Yeung

ICE HKA G&S and HKIE YMC jointly hosted a technical webinar session on Submerged Floating Tunnels (SFTs) on 25 September 2025. We were honoured to have Marcel 't Hart of Haskoning and Tunnel Engineering Consultants as the speaker, with Mr Bang Tan of China Railway First Group serving as moderator. The webinar attracted more than 550 online participants.

The speaker introduced SFTs as buoyancy-supported tunnel systems designed to float at a controlled depth and restrained by seabed tethers or surface pontoons. By combining bridge, marine and tunnel engineering, SFTs are an innovative yet technically grounded option for deep-water crossings where conventional bridges or bored tunnels can be impractical.

The speaker emphasised that SFTs require a probabilistic design approach rather than a purely deterministic one because performance is governed by coupled uncertainties in marine conditions, loading and system interactions. He explained how multivariate methods, such as vine copulas and Bayesian networks, can capture dependencies among uncertain variables to better quantify joint extremes and failure probabilities.

The session concluded by highlighting that SFTs demand tighter target reliability than many conventional structures, with spatial variability and traffic-induced actions potentially driving failure mechanisms. Integrated probabilistic-dynamic workflows are therefore essential to advance SFTs towards real-world deployment.

Seminar on 60 years of Dongjiang water supply to Hong Kong

By Noah Tsang

On 20 October 2025, G&S was pleased to host a seminar featuring Mr Avery Lam from the Water Supplies Department. Mr Lam delivered an insightful presentation on the Dongjiang water supply to Hong Kong, a critical cross-boundary infrastructure project.

Mr Avery Lam sharing on the Donjiang water supply system

Operational since 1 March 1965, this project has been instrumental in resolving Hong Kong's historical water scarcity and currently supplies approximately 70-80% of the city's fresh water. It stands as a remarkable example of regional cooperation and engineering achievement.

The seminar explored the extensive six-decade history of the water system, focusing on its historical development and the engineering challenges that have been overcome. It highlighted the technological innovations and adaptations that have been crucial for sustaining this vital water supply. Furthermore, the seminar addressed modern strategies for managing current issues such as climate change, maintaining water quality and ensuring long-term sustainability. Finally, it covered future planning considerations designed to enhance the resilience of this essential infrastructure for the decades to come.

The presentation offered engineering professionals valuable knowledge regarding cross-boundary infrastructure management, water resource planning and climate resilience strategies that have secured Hong Kong's water supply. We extend our sincere gratitude to Mr Avery Lam for sharing his extensive experience and expertise. We also thank all the professionals who attended and contributed to the valuable discussion.

Certificate presentation ceremony

By Hong Wan

The certificate presentation ceremony 2026 was successfully held at the Hong Kong Convention and Exhibition Centre on 16 January 2026. The event brought together more than 550 participants to honour the achievements of nearly 170 newly chartered members who received their professional qualifications as chartered engineers.

The ceremony commenced with a warm welcome from ICE HKA Chairperson, Dr Johnny Cheuk, who congratulated the new members on reaching this significant professional milestone. Following the opening remarks, ICE President David Porter addressed the audience, expressing his delight in welcoming the new cohort into the ICE family. He highlighted their dedication and resilience throughout their professional journey, and acknowledged the invaluable support offered by their families, mentors, and colleagues.

Mr David Porter expressed his pleasure in welcoming the new cohort into the ICE family

Dr Johnny Cheuk congratulated the new members on achieving this significant professional milestone

As each new member took to the stage to receive their certificate, the ceremony was filled with a strong sense of pride and accomplishment. The occasion also provided an excellent opportunity for recipients to connect with peers and celebrate their shared commitment to advancing the engineering profession.

We extend our heartfelt congratulations to all newly chartered members and wish them every success as they continue to shape a brighter and more sustainable future through their work in engineering.

Over 550 participants gathered to celebrate the ceremony

Mr David Porter presenting certificates to newly elected members

Breaking down barriers – ICE creates inclusive pathways to chartership

By Dr Gordon Leung

The ICE is demonstrating that becoming a chartered engineer is not a one-size-fits-all journey. Through a growing portfolio of targeted events and support programmes, the ICE's membership recruitment team is actively reaching out to candidates from diverse educational and professional backgrounds.

We want to show care to a diversity of people reaching their dreams and becoming a competent engineer who contributes to society should be achievable through multiple routes!

This commitment was evident in last year's career appraisal workshop, designed specifically for candidates who have not completed formal training schemes. The session offered practical coaching on how workplace experience can be effectively documented to demonstrate professional learning outcomes-crucial knowledge for those navigating less traditional paths.

For candidates still working towards educational requirements, a further learning exam discussion workshop proved invaluable. Being supported by our panel chair Mr Adrian Coy, the session went beyond exam mechanics. Mr Coy illuminated what assessors truly seek, emphasised the critical importance of plagiarism requirements, and illustrated the difference between strong and weak answers. Participants left not just informed but connected, having formed revision groups to support each other's success.

The team is already anticipating the next need. With the experiential learning route gaining significant traction in Hong Kong, preparation is underway for dedicated sharing sessions to guide potential candidates through this increasingly popular alternative to the further learning exam.

Each event represents more than professional development, they signal that ICE values diverse journeys and is actively investing in engineers regardless of their starting point. In an era crying out for infrastructure solutions, widening the net for engineering talent is not just inclusive. It is essential.

Further Learning Exam discussion workshop: group photo taken with speaker and facilitators

Further Learning Exam discussion workshop: main sharing session & group discussions

Bridging disciplines – ICE's Infrastructure Engineer route opens doors in Hong Kong

By Dr Gordon Leung

Two years after its launch, ICE's infrastructure engineer qualification is quietly reshaping who gets to join the Institution, and Hong Kong is already reaping the benefits.

Designed to embrace engineers from diverse disciplines, the route welcomes professionals from digital, mechanical, electrical, materials, production and beyond. It sends a clear message: The success of a construction project depends on civil engineers working alongside a multidisciplinary team of specialists.

This inclusive vision has found its first overseas success story in Hong Kong. Benson Hung, a VTC lecturer, has become ICE's first overseas infrastructure engineer. Rather than following a conventional path, Benson drew on practical experience from VTC campus development projects, demonstrating technical expertise in BIM and satisfying six further attributes. His achievement proves that workplace learning can be just as effective as traditional training.

To extend this momentum locally, the membership development team has engaged directly with prospective employers. Targeted talks have clarified eligibility requirements and outlined possible routes to chartership. Two briefing sessions have already taken place: one for Gammon, ICE's first overseas corporate partner, and another for the wider Hong Kong industry.

Both events generated dynamic exchanges. Through detailed Q&A discussions, misconceptions were cleared and pathways came into sharper focus.

With infrastructure demands growing increasingly multidisciplinary, the infrastructure engineer route arrives not a moment too soon. If Benson Hung's journey is any indication, many more cross-disciplinary professionals may soon find their place within the ICE family, enriching the institution and the projects it represents.

Benson attended the ICE Certificate Presentation Ceremony at ICE Headquarter

Demonstration of BIM applications under AMEC project

Presidential visit strengthens ICE – Gammon Bonds

By Dr Gordon Leung

The ICE deepening ties with Hong Kong's construction talents were fully displayed by President David Porter's visit to Gammon Construction, ICE's first international corporate partner, during his recent presidential trip.

Welcomed by Chief Executive Mr Kevin O'Brien, our President received an overview of Gammon's project portfolio and its commitment to nurturing new talent. Following this, President Porter delivered a speech to Gammon's engineers to remind them to look beyond technical details and grasp the broader societal purpose of infrastructure. He shared hard-won lessons: the importance of communicating with non-technical audiences, and the value of finding one's professional home within ICE. A lively Q&A session then followed.

The visit also showcased Hong Kong engineering at its most innovative status. President toured Gammon's Innovation Lab, where new technologies are being developed to enhance site safety and productivity. He tested the AI-powered glasses capable of scanning worksites for potential hazards, a glimpse of construction's digital future.

"President Porter's message sparked meaningful conversations," and "The young engineers were inspired by the President's vision and leadership" Gammon noted. President finally presented Mr O'Brien with a presidential gift, recognising both his industry leadership and Gammon's valued partnership with the ICE.

Welcome message by Gammon's Chief Executive Mr Kevin O'Brien

Speech delivered to Gammon's engineers by ICE President David Porter

Interactions with Gammon's management and engineers

President toured Gammon's Innovation Lab

2025 Hong Kong New Fellows list

Surname	Forenames
Chan	Cheong Yee
Fong	Wai Pan
Leung	Kwok Yiu Rupert
Leung	Lai Ming Gordon
Leung	Simon
Li	Angel Y
Liu	Wan Fai
Lo	Wing Biu Samson
Mishra	Dhanada
Pau	Raymond Chun Man
Shen	Xinghai Harrison
Sparrow	Jeremy Mark
To	Sai Shun
Tsang	Dan
Tsui	Tsz Yeung Ian
Wan	Kai Hong
Wong	Ka Fai
Yan	Wai Ming Alan
Zhang	Baoping

2025 Hong Kong New Members list

Surname	Forenames
Au-Yeung	Wai Ting
Chak	Tsz Sum
Chan	Belinda Patricia
Chan	Chi Ling
Chan	Chun Hing
Chan	Chun Tat
Chan	Chun Yuen
Chan	Hei Tung
Chan	Ho Yan
Chan	Hong
Chan	Ka Chung
Chan	Ka Man
Chan	Ka Ying
Chan	Ka Yiu
Chan	Kai Chun
Chan	Kin Chung
Chan	Kin Hei
Chan	Kit
Chan	Kwan Po
Chan	Kwong Kiu
Chan	Man Tseung
Chan	Michael Douglas
Chan	Orlando Ho Hian
Chan	Sai Tung
Chan	Tak Chiu
Chan	Tsz Hin Wilson
Chan	Wai Bong
Chan	Wai Chun
Chan	Wing Chuen
Chang	Ho Man
Chang	Karwang Kevin
Chang	Ming Hin
Chang	Yui Tung
Chau	Clementine
Chau	Ip Sin
Chau	Jethro
Cheng	Chun Wing
Cheng	Hong Ching
Cheng	Mei Wun
Cheng	Sze Yu
Cheung	Cheuk Lam Kathy
Cheung	Hin Bon
Cheung	Ho
Cheung	Hoi Ying
Cheung	Leung
Cheung	Leung
Cheung	Lok Chun Martain
Cheung	Otto Larry
Cheung	Tsz Kwan
Chim	Ka Chun
Chiong	Ka Yan Vanessa
Chong	Sik Wang
Chow	Ngaitien, Tien
Chow	Oi Tung
Chu	Tsz Wai
Chui	Ling Kit Marco
Chun	Wa Choi
Chung	Chi Hang
Chung	Ching Him
Chung	Yiu Chun
Cui	Haocong
Fan	Cheuk Fung
Fan	Yau Leong
Fernaldy	Felix Alpin
Fok	Chun Hin Jason
Fok	Ho Man
Fok	Ming Ching
Fok	Sum Yin
Fok	Yu Sum
Fok	Yui Hang
Fong	Ka Ki
Fung	Chun Yin
Fung	Pak Sum
Goodwin	Saoirse Robin
Guo	Shangfeng
Hau	Chung Wing
Ho	Cheuk Yin Geoffrey
Ho	Chun Fung
Ho	Hin Ni Lisa
Ho	Ka Ki
Ho	Ming Him
Ho	Wai Yin Mark
Hong	Cheuk Hay
Hong	Ruoqian
Hung	Cheuk Wing
Hung	Kin Ho Benson
Ip	Ching Fung
Kan	Siu Sum
Kan	William
Ko	Po Sing Percy
Kong	Sin Kwan
Kung	Kiu Ching
Kwan	Wing Yan
Kwok	Ho Yin
Kwok	Yu Tung
Lai	Chi Kong
Lai	Ka Fei Kathy
Lai	Ka Yee
Lam	Ching Lun
Lam	Hei
Lam	Hiu Ching
Lam	Hong Yin
Lam	Ka Man
Lam	Keith Yin Kwong
Lam	Kuen-Wang
Lam	Wai Fong
Lam	Wing Laam
Lao	Chi Cheng
Lau	Cheuk Ki
Lau	Chiu Tung Charlene
Lau	Chun Kit
Lau	Hon Wa
Lau	Hou Guen
Lau	Ka Chun Alex
Lau	Tat Chiu
Lau	Tin Ming
Lau	Tsz Hin
Lau	Tsz Keung
Lau	Wai Hei
Lau	Ying Lai Justin

Surname	Forenames
Lau	Yuk Hong
Law	Cho Yiu
Law	Shun Chit
Law	Tsz Chun
Law	Zac
Lee	Chau Tung
Lee	Cheuk Hei
Lee	Cheuk Wing Jasper
Lee	Ho-Man
Lee	Ming Hin
Lee	Ngan Fei
Lee	Tin Ching Brian
Lee	Wai Chung
Lee	Yin Fung
Leung	Cheuk Fan
Leung	Cheuk Hang Quincy
Leung	Ho Lam
Leung	Jing Shang Gordon
Leung	Kin Hang Nigel
Leung	King Tim Timothy
Leung	Pui Ki
Leung	Vanessa
Leung	Yi Man
Li	Cheuk Fung
Li	Cheuk Yuet
Li	Chui Yin
Li	Chung Yu
Li	Ho Chun
Li	Ho Ming
Li	Jing
Li	Sai Chung Simon
Li	Weixin
Li	Xiaodan
Li	Yu Hang
Lim	Yunji
Lin	Guohao
Liu	Hoi Ching
Liu	Wing Ki
Liu	Xiaoxue
Liu	Yuk Lun
Lo	Joseph Hiu-Fung
Lo	Pak Yui
Lo	Wai

Surname	Forenames
Lo	Wing Cheong
Lo	Yuk Ki
Lu	Yat Hang
Lui	Ho Wang
Lui	Pak Lam
Luk	Wai Chong
Luk	Yin On
Mak	Hoi Ki
Man	Ki Lee
Mok	Man On
Ng	Chin Man
Ng	Ho Lun
Ng	Ho Tin
Ng	Ki Tsun
Ng	Ming Kai
Ng	Ting Hang
Ng	Tsun Yu
Ng	Tsz Tung Spring
Ng	Wai Lam
Ng	Wing Kai
Ng	Wing Ki
Ng	Wo San
Ng	Yat Long
Ngao	King Cheung
Ngau	Chi Yuen
Or	Lester Cheuk-ho
Or	Yan To
Pak	Chun Wing Edison
Pak	Nai Kin Jackie
Pang	Sze Wing
Poon	Chun Hin
Poon	Ho Ching
Poon	Kam Hei
Poon	Siu Cheong
Poon	Tak Yeung
Rai	Ashif
Shair	Kun Yat
Sham	Chiu Yu
Shek	Shing Him
Sin	Chun Ho
Sin	Kent
Sin	Pak Tuen
Sit	Man Wai

Surname	Forenames
Siu	Man Hei Victor
Siy	Ming San
So	Chong San
So	Kwui Pong Vincent
Sum	Chun Fai
Sze	Siu Lung
Szeto	Kit
Szeto	Wang Long
Tai	Man To
Tam	Man Hong Michael
Tam	Sampson Shum-Yin
Tam	Tsun Kit
Tang	Chun Yin
Tang	Hei Man
Tang	Kam Yin
To	Ho Ki
To	Wing Yin
To	Yiu Leung
Tong	Kong Sing
Tse	Cheuk Hang
Tse	Cheuk Ting
Tse	Kai Ming
Tse	Man Chun
Tse	Wai Ho
Tse	Wang Chi
Tsui	Ka Chun
Un	Hio Fong
Vong	Yat Hei
Wan	Ho Tung Hubert
Wan	Kwok Wing
Wan	Nga Ting
Wang	Xi
Wang	Yuyang
Wong	Cheuk Hang
Wong	Chun Hung Christopher
Wong	Chung Hui
Wong	Hay Ping
Wong	Ho Ching
Wong	Hoi Tung
Wong	Hung Kit
Wong	Kai Chung
Wong	Kam Leung
Wong	Kan Tak

Surname	Forenames
Wong	Kang Ho
Wong	Ting Yin
Wong	Tsun Hang
Wong	Tsun Yin
Wong	Wai Fung
Wong	Wai Kin
Wong	Wing Chun
Wu	Hanke
Wu	Ka Ming
Wu	Xinyi
Wun	Nok Man Mick
Xiong	Zheyi
Yang	Ming
Yang	Wanxiang
Yau	Chun Chung
Yau	Ho Lim
Yau	Mung Ping
Yau	Yip
Ye	Cong
Yeung	Chak Wa
Yeung	Chun-Hei
Yeung	Hiu Ying
Yeung	Ho Chun
Yeung	Kai Sui Iris
Yick	Marcus
Yin	Caitong
Yip	Chun Hang
Yip	Ka Ming, Raymond
Yip	Po Yi
Yip	Yui Ho
Yiu	Chi Ho Cielo
Yiu	Kam Wei Josh
Yiu	Tsz Kiu
Yue	Kwan Yat
Yuen	Edmund Sing Man
Yuen	Sum Yee
Yung	Yu Kei
Zhang	Shuying
Zhao	Mingxin
Zhu	Jianlin
Zou	Haifeng

Date	Event Name/Title
07 Jan 2026	G&S: an overview of infrastructure developments in Hong Kong since the 1990s
07 Jan 2026	HKA: work experience day in Binnies Hong Kong Limited
10 Jan 2026	G&S: Communications Competition 2025-26
13 Jan 2026	HKA networking: Drone workshop
15 Jan 2026	HK presidential reception 2026
17 Jan 2026	HKA: technical visit to Hong Kong Air Cargo Terminals Limited (HACTL)
23 Jan 2026	HKA: civil engineers outreach programme (2025-26) in Kowloon Sam Yuk Secondary School
24 Jan 2026	G&S: The Princess Royal Award for Emerging Engineers 2026 - Hong Kong regional final
26 Jan 2026	HKA ICarE - Sharing Session on Emergency Humanitarian Response as an Engineer
31 Jan 2026	ICE HKA G&S X CHKRI: site visit to Qiaocheng East Road Northern Extension Passage Project
31 Jan 2026	HKA: technical visit: from BIM Design to MiMEP delivery - a DfMA approach
06 Feb 2026	G&S: joint society New Year party
07 Feb 2026	HKA networking: visit at WEEE · park
28 Feb 2026	G&S: One - Day Seminar 2026
06 Mar 2026	HKA webinar on green slope engineering: linking plant physiology & unsaturated soil mechanics
07 Mar 2026	G&S: Shaping Our Future City 2026 - Day 1: Problem identification
14 Mar 2026	G&S: site visit to Tseung Kwan O Desalination Plant
16 Mar 2026	HKA: seminar on designing low embodied carbon buildings: practical pathways and project demonstration
17 Mar 2026	HKA: civil engineers outreach programme (2025-26) in Chong Gene Hang College
20 Mar 2026	ICE HKA x ICWCI x HKMU: seminar on practical innovations in Modular Integrated Construction (MiC)
20 Mar 2026	HKA: civil engineers outreach programme (2025-26) in Fukien Secondary School
21 Mar 2026	G&S: AI safety in civil engineering - R&D digital human and visual intelligence
21 Mar 2026	ACEHK YMC X CIHT HK EPC X ICE HKA G&S: proud to be a brewgineer - cocktail brewing workshop
28 Mar 2026	G&S: Shaping Our Future City 2026 - Day 2: Knowledge acquisition
28 Mar 2026	HKA networking: exploring Mai Po Natural Reserve
01 Apr 2026	HKA: civil engineers outreach programme (2025-26) in Fukien Secondary School (Siu Sai Wan)
15 Apr 2026	ICE FL x HKIE webinar - Power tomorrow: global innovations in energy engineering
18 Apr 2026	G&S: Model Building Competition 2026
18 Apr 2026	HKA networking: visit to Shenzhen indoor playground
25 Apr 2026	G&S: Shaping Our Future City 2026 - Day 3: Field study
25 Apr 2026	HKA: technical visit to Six Pacific Place (6PP) subway construction
29 Apr 2026	HKA webinar on Fire Engineering in Tunnels
30 Apr 2026	ICE HKA x CIHT joint conference
May 2026 (tentative)	HKA webinar on construction safety, including landslip prevention technology
02 May 2026	G&S: mock CPR workshop 2026
05 May 2026	HKA networking: hand-drip coffee and tasting workshop
09 May 2026	G&S: site visit to relocation of Sha Tin Sewage Treatment Works to Caverns
10 May 2026	G&S: golf fun day
16 May 2026	G&S: Shaping Our Future City 2026 - Day 4: Solution implementation
21 May 2026	G&S: seminar on 40 years construction industry experience sharing with young engineers
22 May 2026	G&S: joint social drinks gathering / tram party
05 Jun 2026	G&S: 25th AGM and award presentation ceremony
12 Jun 2026	HKA 25th AGM
12 Jun 2026	HKA Annual Dinner 2026
19 - 28 Jun 2026	G&S: France and Belgium delegation 2026

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