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# Institution of Civil Engineers Hong Kong Association Graduates and Students Division

## Shaping Our Future City 2026

## 構建明日香港2026

Redeveloping the town, connecting all around

都市重建，人聚相連

[ice.org.uk](http://ice.org.uk)

## **ICE**

The Institution of Civil Engineers (ICE) is a 97,000-strong global membership organisation with over 200 years of history. It is a centre of engineering excellence, qualifying engineers and helping them maintain lifelong competence, assuring society that the infrastructure they create is safe, dependable and well designed. Its network of experts offers trusted, impartial advice to politicians and decision makers on how to build and adapt infrastructure to create a more sustainable world.

## **ICE Hong Kong**

Hong Kong is one of the largest regions outside the UK, and comprises ICE Representative, the Hong Kong Association, the Graduates and Students Division (G&S), and the Regional Support Team serving over 8,700 members. The Hong Kong Association has been the host of well received activities with the prime objective to foster members' professional development. We believe in the walking the talk of lifelong learning, and we make sure our members are well supported in their continuous pursuit of skills and expertise across a variety of disciplines.

## **ICE HKA G&S**

The Graduates and Students Division (G&S) is a sub-division of the ICE Hong Kong Association. Comprising recent graduates and current students embarking on a civil engineering career in Hong Kong, the G&S emphasises both professional and personal development and connects graduate and student members with the industry.

G&S presents a variety of opportunities, spanning site visits, hands-on workshops, enrichment seminars, networking opportunities, overseas delegations and much more. We spare no effort in promoting civil engineering among the next generation, with initiatives covering industry visits, experiential learning, idea pitching and career talks. G&S also maintains strong ties with young committees of local professional institutions and local branches of reputable institutions.

To learn more about ICE, please visit our website:

[ice.org.uk/hongkong](https://ice.org.uk/hongkong)

Follow our social media for the latest information on ICE HKA G&S:

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## About Shaping Our Future City

Shaping Our Future City (SOFC) is an annual campaign of the Institution of Civil Engineers Hong Kong Association Graduates and Students Division (ICE HKA G&S) which offers a unique and structured learning opportunity for senior secondary school students (Form 4 to Form 5) on how engineers define and implement an engineering project through making observations, planning, performing analyses and eventually developing an engineering solution.

As a form of STEM education, this campaign includes thematic talks delivered by experts from different backgrounds, site visits, engagement with different stakeholders and engineering workshops equipping the students with relevant skills that can provide students with a more comprehensive view of engineering subjects and motivate their interests in science and technology.

After learning from professionals and gaining hands-on experience, students will apply their knowledge in a scenario-based group project competition. Each project will address real city planning or infrastructure challenges in Hong Kong and align with ICE's commitment to the United Nations' Sustainable Development Goals. Throughout the campaign, students will redesign or redevelop existing infrastructure to meet these goals under the guidance of young engineers. This experience will help students consolidate their STEM knowledge, develop their creativity, and gain insight into the work of engineers as innovators and practical problem solvers. The winning team will receive HKD6,000 in book vouchers.

## Shaping Our Future City - Previous highlights

Shaping Our Future City has been organised since 2018 with the participation of over 30 local secondary schools. Through a series of talks, site visits and workshops, students gained exposure to future opportunities and challenges civil engineering. The campaign last year bore the theme 'Bridging communities, spanning possibilities', which encouraged students to explore ways to improve the wellbeing of citizens through enhancing accessibility between communities. Supported by the Development Bureau, the students had the chance to visit the mega-infrastructure projects such as the East Coast Boardwalk, where students were able to gain an overall understanding of infrastructure development.



Site visit to East Coast Boardwalk



Site visit to Sung Wong Toi Station

Hypothetical projects in past years included a station on a new metro line, a sports complex in Penny Bay, an education exhibition centre at Nam Cheong Park and a redevelopment of the Lei Cheng Uk Estate. Engineering advisors were invited to guide and provide interim feedback for students' ideas to ensure students are on the right track, and encourage them to unleash their creativity. Students would then pitch their findings and proposals with the aid of a mock consultation forum afterwards. Students posed as relevant stakeholders of the hypothetical project and responded to ideas by other teams

through posing queries, showing support and casting doubts. Teams were able to thoroughly explore the impacts the project may have on the community.



Lively discussions with an engineering advisor



Responding to queries in the stakeholder forum

Towards the end of the campaign, student teams would pitch their solutions to judges, who would be well-seasoned professionals in their respective fields. Solutions by teams were often well supported by analyses of site constraints and attention to balancing public interests, which are often at the forefront of factors considered by civil engineers in professional practice.

### Shaping Our Future City 2026

The campaign this year bears the theme ‘Redeveloping the town, connecting all around’, and encourages students to explore ways to improve the wellbeing of citizens through enhancing accessibility between communities. The hypothetical scenario focuses on enhancing connectivity in Kai Tak, and participating teams shall seek to incorporate elements of sustainability in their work. Under the guidance of young engineers, students will develop a masterplan and schematic design for a linkage system to enhance connections between Kai Tak and Kwun Tong, accommodating pedestrians, cyclists, vehicles and public transportation. Designs should demonstrate sustainability by addressing environmental, social and economic considerations. The winning team of this competition will receive HKD6,000 in book vouchers.

#### Shaping Our Future City 2026 will comprise four days

Theme	Event	Date	Venue (TBC)
Problem identification	Opening ceremony & city hunt	7 March 2026	CIC – Zero Carbon Park
Knowledge acquisition	Engineering workshops	28 March 2026	Hong Kong Polytechnic University
Field study	Engineering visits	25 April 2026	City Gallery
Solution Implementation	Pitching competition	16 May 2026	CIC – Zero Carbon Park

## Shaping Our Future City – Participants

Since the commencement of this programme, over 300 students from 31 secondary schools have joined the campaign. The students were divided into groups, led by facilitators who were graduate engineers or civil engineering students. These participating schools have included

- Carmel Divine Grace Foundation Secondary School
- Chinese Y.M.C.A. Secondary School
- G.T. (Ellen Yeung) College
- Good Hope School
- Holy Trinity College
- Homantin Government Secondary School
- Immaculate Heart of Mary College
- Ju Ching Chu Secondary School (Yuen Long)
- King's College
- Leung Shek Chee College
- Liu Po Shan Memorial College
- Lok Sin Tong Young Ko Hsiao Lin Secondary School
- Lok Sin Tong Yu Kan Hing Secondary School
- Maryknoll Convent School (Secondary Section)
- Methodist College
- New Asia Middle School
- Ning Po College
- Po Leung Kuk Lee Shing Pik College
- Po Leung Kuk Wu Chung College
- Pui Kiu Middle School
- S.K.H. Tsang Shiu Tim Secondary School
- Shung Tak Catholic English College
- St. Stephen's Girls College
- The ELCHK Yuen Long Lutheran Secondary School
- Tin Ka Ping Secondary School
- Tsuen Wan Government Secondary School
- TWGHs Wong Fut Nam College

## Shaping Our Future City – Supporting Organisations

Throughout the years, the programme is honoured to be supported by an extensive range of organisations including government departments, tertiary institutions, NGOs and companies.

### Government Bureaus and Departments

- Development Bureau, the Government of the HKSAR

- Housing Bureau, the Government of the HKSAR
- Transport and Logistics Bureau, the Government of the HKSAR
- Business-School Partnership Programme, Education Bureau, the Government of the HKSAR
- Architectural Services Department, the Government of the HKSAR
- Building Department, the Government of the HKSAR
- Civil Engineering and Development Department, the Government of the HKSAR
- Drainage Services Department, the Government of HKSAR
- Highways Department, the Government of the HKSAR
- Planning Department, the Government of the HKSAR
- Transport Department, the Government of the HKSAR
- Water Supplies Department, the Government of the HKSAR
- Hong Kong Housing Authority, the Government of the HKSAR

#### **Statutory bodies**

- Airport Authority Hong Kong
- Hong Kong Housing Authority, the Government of the HKSAR
- Urban Renewal Authority, the Government of the HKSAR

#### **Tertiary institutions**

- Department of Architecture and Civil Engineering, City University of Hong Kong
- Department of Civil and Environmental Engineering, Hong Kong Polytechnic University
- Department of Civil and Environmental Engineering, Hong Kong University of Science and Technology
- Department of Civil Engineering, Hong Kong Chu Hai College
- Department of Civil Engineering, University of Hong Kong

- Department of Construction and Quality Management, Hong Kong Metropolitan University
- Department of Construction Technology and Engineering, Technological and Higher Education Institute of Hong Kong

#### **Non-governmental organisations**

- Ocean Park Conservation Foundation Hong Kong
- Tung Wah Group of Hospitals

#### **Engineering firms**

- AECOM Asia Company Limited
- AtkinsRéalis
- Binnies Hong Kong Limited
- Bouygues Travaux Publics
- Build King Construction Limited
- Chun Wo Construction and Engineering Company Limited
- Dragages Hong Kong Limited
- Gammon Construction Limited
- Meinhardt Group (China)
- Mott MacDonald Hong Kong Limited
- MTR Corporation Limited
- Ove Arup & Partners Hong Kong Limited
- Wings & Associates Consulting Engineers Limited
- WSP (Asia) Limited

#### **Other companies**

- Plant Plant Company Holding Limited

## **Contact**

### **Mr Edwin Li**

Chairman

Shaping Our Future City 2026 Organising Committee

Graduates and Students Division

Institution of Civil Engineers Hong Kong Association

M. +852 6685 5505

E. [edwinli.ice@gmail.com](mailto:edwinli.ice@gmail.com) / [gs.hka@ice.org.uk](mailto:gs.hka@ice.org.uk)