

The Hong Kong Institution of Engineers: Hong Kong Engineers Week 2023
The Innovation Competition: Our Livable City, We Engineer
(Tertiary Institution Category)

Competition Rules

1. Background & Objective:

The Hong Kong Institution of Engineers (HKIE) will hold the “**Hong Kong Engineers Week 2023**” (HKEW 2023) from 3 to 11 March 2023. As the first-ever event of its kind, it aims to foster understanding on the role of engineers into society amongst the younger generation, and to provide them with opportunities to experience the work of engineers.

As part of the HKEW 2023, the “**Innovation Competition**” sets to take place between Oct 2022 and Feb 2023, with its Award Ceremony planned to take place during the Opening Ceremony of HKEW 2023 in March. The Competition aims at enhancing students’ understanding and interest in engineers and preparing them to become future engineers.

Taking the theme of “**Our Livable City, We Engineer**”, the Innovation Competition invites students to become engineers by transforming their vision of a future city into 3D models and videos. Through leveraging their creativity and incorporating concepts such as smart city and sustainability into their designs, they live the lives as engineers and take pride in creating a future livable city.

2. Content:

Students can form into teams of 3 to 5 across different departments. Participating teams should email the completed application form to hkew2023@hkstrategies.com **on or before 6pm on 25 November 2022 (Friday)**.

After submitting the application form, the participating teams will need to use the 3D architectural model software “Autodesk Revit” to illustrate the future livable cities, which can include infrastructure & facilities which applied smart technology and the Internet of Things (IoT), smart transportation facilities, as well as any innovative ideas benefits the mode of living in the city.

Participating teams must submit the original file by Autodesk Revit together with an introductory flythrough video (within 3 minutes) **on or before 6pm on 6 February 2023 (Monday)**. The content of the video must showcase the virtual model of the future livable city by Autodesk Revit, with voice-over to explain the idea. Subtitles and background music for the video are optional.

Works of each participating team will be displayed on the Hong Kong Institution of Engineers’ Facebook fanspage (www.facebook.com/TheHKIE), and open for public voting. The work with the most number of “Likes” will be awarded as the “My Favorite Future City” Award. In addition, the top three teams will be invited to the “Hong Kong Engineers Week 2023 Opening Ceremony” on 3 March 2023 (Friday), showcasing the introductory flythrough video to the officiating guests and engineers. All winning teams will receive certificates and cash prize from the Principal Official of the Hong Kong Special Administrative Region Government at the opening ceremony.

HKIE will arrange online video briefing session at **4pm on 9 November 2022 (Wednesday)**, where our engineers will answer questions encountered by participants.

3. Awards:

Gold (one)	HK\$5,000 cash prize and certificate
Silver (one)	HK\$3,000 cash prize and certificate
Bronze (one)	HK\$1,000 cash prize and certificate
“My Favourite Future City” Award (select one among the Secondary School and the Tertiary Institution categories)	Certificate

* “My Favourite Future City” Award goes to the most number of “Likes” work in HKIE Facebook

4. Judging Criteria:

Livable city infrastructure with smart technologies and IoT (Internet of Things)	<ul style="list-style-type: none"> Application of smart technology and Internet of Things technology and integration into future livable city design. Coherent integration of systems and services of the city design, generation of synergies, and efficient use of resources to optimise the management of the community and provide a quality life. 	30%
Adoption of green energy and smart transportation	<ul style="list-style-type: none"> Enhancement on urban transportation efficiency Application of clean energy concepts, build multiple transportation modes in order to achieve green low-carbon life. 	30%
Future functional buildings / structures	<ul style="list-style-type: none"> Innovative buildings and infrastructure technology Functional design that improves the living environment and quality of life, use of sustainable development elements to enhance urban greening and environmental sustainability. 	20%
Other innovations in modes of living in the city	<ul style="list-style-type: none"> Innovative elements to improve the overall quality of life in future city 	20%

5. Entries:

- The original file (soft copy) by Autodesk Revit
- An introductory flythrough video (within 3 minutes) to showcase the 3D virtual model of the future livable city, with voice-over to explain the idea. Subtitles and background music for the video are optional.

Participating teams must create their own Google accounts, save the works (original Autodesk Revit files and introductory flythrough videos), authorise the right on Google Drive and email the link to hkew2023@hkstrategies.com. Please specify “the Innovation Competition: Our Livable City, We Engineer” and team name in the email subject.

6. Finalists Presentation at HKEW 2023 Opening Ceremony:

The Hong Kong Institution of Engineers will notify the **top three teams** by email or telephone on **20 February 2023 (Monday)**. The top three teams will be invited to attend the Opening Ceremony of the Hong Kong Engineers Week 2023 at the Hong Kong Palace Museum on 3 March 2023. During the Opening Ceremony, their introductory videos will be showcased. HKIE will announce and award the winners during the Ceremony.

7. Agenda:

Activity	Deadline / Date
Online briefing session	4pm on 9 November 2022 (Wednesday)
Application: Please email the application form to hkew2023@hkstrategies.com	On or before 6pm on 25 November 2022 (Friday)
Entries submission: please email the materials to hkew2023@hkstrategies.com	On or before 6pm on 6 February 2023 (Monday)
Finalists announcement	20 February 2023 (Monday)
The Opening Ceremony of the Hong Kong Engineers Week 2023 (Award presentation & showcasing of the awarded works)	3 March 2023 (Friday) at the Hong Kong Palace Museum

8. Instructions for participants:

- a. Each team can only make One (1) submission. The same work cannot be submitted more than once.
- b. Participants should use Autodesk Revit software to participate in the competition (unlimited versions) to create and complete architectural models.
- c. Entries must be original and unpublished. Participants will be disqualified if any plagiarism is found.
- d. Entries must not contain any provocative, defamatory, erotic, violent, racial discrimination or other inappropriate content. The Hong Kong Institution of Engineers has the right to disqualify the entry.
- e. If the content or design of the entry conflicts with any laws related to copyright, the legal responsibility involved shall be borne by the participants, and the organizer shall not be responsible.
- f. If any participating team fails to comply with the rules & regulations for submitting works, such as file format error, late submission, non-original, etc., the Hong Kong Institution of Engineers may disqualify the team from the competition without any notification or explanation to the team.
- g. The Hong Kong Institution of Engineers will not be responsible for any delayed submission or incorrect delivery of the work.
- h. All submitted works will not be returned no matter they are awarded or not. All intellectual property rights or copyrights of their works must be unconditionally given to the Hong Kong Institution of Engineers. They may be used for any exhibition or promotional purposes in the future.
- i. The Hong Kong Institution of Engineers will arrange video recording and/or filming on award ceremony. All the competition process, winning works, interview clips, event highlights, etc. are owned by the Hong Kong Institution of Engineers and may be used for any exhibition or promotional purposes in the future.
- j. The competition result is subject to the final decision of the judging panel and the participating teams shall not object.
- k. The participants have completely agreed to the above items once they submitted the registration forms. The Hong Kong Institution of Engineers reserves the right to revise the competition rules & regulations. In case of any disputes, the Hong Kong Institution of Engineers reserves the right of final decision.

For enquiries, please email to hkew2023@hkstrategies.com to contact the Event Organising Committee.