



**Towngas and EdCity co-organise “Green Flame Project - Smart Energy Competition” to stimulate green ideas among students  
Winning teams to be awarded up to HK\$100,000**

(7 July 2022) The Hong Kong and China Gas Company Limited (Towngas) is committed to transforming its business, with smart energy becoming a new focus of the Group’s business development to build a green future with innovative technology. To foster environmental awareness among the next generation from an early age and promote students’ understanding of smart energy, Towngas and Hong Kong Education City (EdCity) joined hands to organise the “Green Flame Project - Smart Energy Competition”. Towngas hopes the competition will inspire students to utilise their STEM knowledge and creative potential to help the energy industry find new ideas and solutions to develop smart energy.

The competition is divided into Primary School Division and Secondary School Division. There is no limit on the number of participating teams from each school, and each team should consist of 2 to 4 students. The three themes of the competition are Integration of multiple sources of energy solutions, Digitalisation and Decarbonisation. Participating teams shall design an innovative smart energy solution based on at least one of the themes with any program, software or tool of their choice. The competition offers several awards, with a top prize of HK\$100,000.

Each division has the following awards, with the champion team of each division winning a scholarship of HK\$100,000. Award details are as follows:

Awards	Winners	Prizes
Champion	1	Scholarship of HK\$100,000
1 <sup>st</sup> Runner-up	1	Scholarship of HK\$60,000
2 <sup>nd</sup> Runner-up	1	Scholarship of HK\$30,000
Merit	5	Scholarship of HK\$10,000
Most active participation award	1	Scholarship of HK\$10,000

To enhance students' understanding of the competition themes, a series of learning workshops and online self-learning resources will be provided to the participants. Renowned academics, representatives from start-up companies and experienced educators are invited to share their knowledge on the themes in an easy-to-comprehend way, so students can put what they learn into practice in the competition. Details of the workshops are as follows:

Dates	Activities	Speakers
19 July	Green Energy in Everyday Lives (Webinar)	1) Dr Yeung Chi-ho, Associate Professor, Department of Science and Environmental Studies, The Education University of Hong Kong 2) Mr Patrick Tang Man-hon (STEM Sir), President of iSTEM Ed Association
21 July	Creativity Fused with Technology – Your Door to New Energies (Webinar)	1) Dr Stephen Kwok Chin-to, Co-founder of Solid-X Limited 2) Mr Barton Hung Yam-hei, Assistant Principal & Head of I.T. Committee, SKH St. Benedict's School
25 July	A.I. Mobile App Development Workshop	Mr Peter Chung Fu-yuen, Executive Committee Member, Association of I.T. Leaders in Education (AiTLE); Innovative Design and Development Teacher, Concordia Lutheran School
26 July	Model Building Workshop	Mr Jimmy Hui, Co-Founder of Coding101; Part-Time Lecturer of The Education University of Hong Kong
28 July	Design Thinking Workshop	Mr Patrick Yuen, Vice-Chairman, Association of I.T. Leaders in Education (AiTLE), Head of School I.T. Development, St Stephen's College
5 August	Video Production Workshop	Mr Rex Wong, Business Consultant, DTSL Group Limited

The kick-off ceremony of the competition was held on 10 June. Ms Judy Chan Kar-po, General Manager - Corporate Affairs of Towngas, said in her opening remarks, “As an energy supplier, Towngas has an unshirkable responsibility to address environmental issues such as climate change. We are committed to promoting education for sustainable development. Coinciding with the 160th anniversary of the establishment of Towngas, we would like to invite primary and secondary school students in Hong Kong to share their wisdom and innovative ideas to inspire us to go further and achieve more in the field of smart energy, and to continuously promote sustainable development. We also hope the competition will serve as a platform for students to translate their brilliant ideas and creativity into practice.”

Mr Victor Cheng, Executive Director of EdCity, said in his welcoming remarks, “Sustainable development is the trend for the future development of society. EdCity strives to promote innovative learning, nurturing students to obtain and apply interdisciplinary knowledge, and enabling them to realise their innovative ideas and respond to challenges in the real world. This year, EdCity is honoured to jointly organise the ‘Green Flame Project – Smart Energy Competition’ with Towngas, and with the Education Bureau as co-organiser. Together, we equip students with the 21<sup>st</sup> Century skills and hope they can unleash their potential and apply their acquired knowledge and skills flexibly in creating innovative solutions for smart energy, which can also raise awareness of low-carbon living and developing a sustainable green future.”

The kick-off ceremony also featured Dr Tong Shiu Sing, Senior Lecturer of the Department of Physics at the Chinese University of Hong Kong, and Mr Humphrey Ng, Senior Vice President – Smart Energy of Towngas Smart Energy Company Limited, who both gave sharing talks at the ceremony. In his speech titled “The Physics Behind Green Energy and Sustainability”, Dr Tong talked about the sources of global warming and how a green, low-carbon lifestyle could help improve the situation. He encouraged students to actively study the carbon footprint of production and consumption in different applications in order to truly achieve emission reduction. Mr Ng, on the other hand, gave an insightful presentation on “Smart Energy”, using examples such as solar energy and hydrogen energy to explain the positive impact of renewable energy on sustainable development, and shared how the concept of smart energy can be applied to enhance energy efficiency.

The competition is now open for registration, and students can register through their schools. For more information on the competition schedule, rules and regulations, and registration method, please visit the competition website at <https://www.edcity.hk/greenflame/>

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Press Photo:

Photo 1 and 2:



The “Green Flame Project - Smart Energy Competition” is open for school applications from now until 12 August this year.



Website for “Green Flame Project - Smart Energy Competition”

Photo 3:



The kick-off ceremony and briefing session of the “Green Flame Project - Smart Energy Competition”, with sharing talks given by Dr Tong Shiu Sing (right), Senior Lecturer of the Department of Physics at CUHK, and Mr Humphrey Ng, Senior Vice President - Smart Energy of Towngas Smart Energy Company Limited.

Photo 4:



Mr Victor Cheng Pat-leung, Executive Director of EdCity (third from right), and Ms Judy Chan Kar-po, General Manager - Corporate Affairs of Towngas (centre), joined the kick-off ceremony and briefing session of the competition with other guests.

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