



## **Online Award Presentation Ceremony of the Inaugural TERA-Award Smart Energy Innovation Competition Successfully Held**

(8 June 2022) The award presentation ceremony of the inaugural TERA-Award smart energy innovation competition, organised by the Hong Kong and China Gas Company Limited (Towngas) and co-organised by State Power Investment Company Limited (SPIC), has been successfully held recently. The virtual ceremony, titled “Zero-Carbon Innovations For The Future”, was broadcast online, allowing startup entrepreneurs from around the world to witness the power of technology through the Internet.

A total of 208 projects were submitted from 23 countries and regions, with the largest number of projects in the energy supply area (40%), followed by the field of the Energy Internet, accounting for 22%. Hydrogen power, new energy batteries and the Energy Internet were the most popular topics among the projects, reflecting the trend of zero-carbon technology innovations. The “Liquid Sunshine Methanol” project from the Dalian Institute of Chemical Physics, Chinese Academy of Sciences, won the Gold Award with a prize of US\$1 million.

The Silver Award went to Greendrogen from the United States with their project named “Highly efficient and low-cost H<sub>2</sub> production using AEM Water Electrolyzers”, which can effectively convert renewable energy into green hydrogen with high economic feasibility. The “Copper-HeteroJunction with Intrinsic Thinlayer (C-HJT) Battery” project and the “Safe and Low-cost Flow Battery” project both placed third, receiving the Bronze Award. The former makes use of high-efficiency photovoltaic technology and is a full intellectual property right of SPIC New Energy Science and Technology Co., Ltd., while the latter was developed by Luquos Energy, an outstanding Hong Kong startup company, and offers the advantages of safety, low cost, long battery life and easy replacement.

In addition to the prize money, the winning projects will also receive investment opportunities or application scenarios, along with resource-matching services, which is the most unique feature of this competition.

At the online Award Presentation Ceremony, Dr Peter Lee Ka-kit, Chairman of Towngas pointed out that everyone needs to work together to tackle climate change and achieve the “dual carbon” goals. We need to harness the power of technology to promote innovation in the energy industry. The competition, jointly organised with SPIC, is a platform to bring together the wisdom of global energy technology innovations and promote the development of a green and low-carbon economy.

In his video message, Mr Qian Zhimin, the Party Secretary and Chairman of SPIC, said that human society is now transitioning from the use of fossil fuels to non-fossil energy sources, and there is an urgent need for technological innovation to drive the change. Through the competition, we look forward to strengthening and deepening our cooperation with startup entrepreneurs, and jointly building a clean, low-carbon, safe and efficient energy system and a green society.

The second TERA-Award Smart Energy Innovation Competition will be launched this year, with the hope that more entrepreneurs will join hands to contribute to the achievement of the country's dual carbon goals and the solutions to global warming.

For the TERA-Award Smart Energy Innovation Competition Online Award Ceremony 2021, please scan the below QR code for watching.



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Press Photos:

Photo 1:



Mr Peter Wong, Towngas Managing Director (right) presented the Award to Prof. Lu Yi-chun, Chairperson of the Board of Luquos Energy.

Photo 2:



Mr Alan Chan, Towngas Chief Investment Officer (right) and Prof. Lu Yi-chun, Chairperson of the Board of Luquos Energy, signed the investment contract.

For media enquiries, please contact:

Miss Judy Chan

Corporate Affairs Department

The Hong Kong and China Gas Company Limited

Tel.: 2963 3486/ 9520 3139

Fax: 2516 7368

Email: [cad@towngas.com](mailto:cad@towngas.com)