

**Towngas Smart Energy presents latest zero-carbon solutions
at the International Digital Energy Expo 2023**

(29 June 2023) As one of the co-organisers of the "International Digital Energy Expo 2023" held at the Shenzhen Convention & Exhibition Center, Towngas Smart Energy Company Limited ("Towngas Smart Energy", stock code: 1083.HK) showcased its latest zero-carbon solutions, the Seven-Star Scheme and demonstration cases at the Expo, continuing to lead the industry in the implementation of practices towards the dual carbon goals.

At the main forum of the opening ceremony, Dr Qiu Jian-hang, an Executive Director and the Chief Operating Officer – Renewable Business of Towngas Smart Energy, was invited to participate in a high-end dialogue with industry peers to discuss the future of dual carbon development and the implementation of digital energy in the Guangdong-Hong Kong-Macao Greater Bay Area.

Dr Qiu said, "Towngas Smart Energy inherits the century-old energy management DNA of The Hong Kong and China Gas Company Limited, serving thousands of households and ensuring energy security. With integration, decarbonisation and digitalisation as our core strategies, we will develop investment, construction and operation of energy infrastructure such as distributed photovoltaic, energy storage, battery charging and swapping, and multi-energy combined supply, as well as value-added smart services such as energy efficiency management, carbon management and green power trading. We also utilise our smart energy ecological platform, Tera Planet, to realise the integration of "source, grid, load and storage" and the intelligent digitalisation of energy management, and have now set up 88 zero-carbon smart industrial parks across China."

"We are guided by the carbon reduction needs of our industrial and commercial customers. The industrial and commercial sector, especially industrial enterprises, is the key vehicle for achieving the national dual carbon goals, and is an important factor that China will be able to achieve the dual carbon goals on schedule." Towngas Smart Energy focuses on the current actual needs of industrial parks, as well as industrial and commercial customers - carbon reduction, consumption reduction, safety and reliability. At the Expo, the Company highlighted its technology and capability to provide customers with a full range of one-stop services in customised planning, low-carbon energy supply, green energy saving, digital energy empowerment, along with

carbon and power management. At the same time, in order to better serve the individual needs of customers in different industries, Towngas has recently launched the "Seven-Star Service Scheme", which also means that seven-star service will be provided to customers.

At the Towngas Smart Energy booth, three unique sharing sessions were held to demonstrate the confidence and strength of Towngas Smart Energy's focus on zero-carbon technology and service capabilities.

Dr Hu Wuhua, the Vice President of Towngas Smart Energy, introduced the latest generation of Towngas Smart Energy's ecological platform – Tera Planet. With the dream of "interconnecting energy, coexisting with nature, creating a better world", Tera Planet connects energy source data with ecological applications to provide customers with digital management and collaborative optimisation services on both the supply and use sides, and empowers customers to participate in the carbon market, helping them to realise the triple value of increased management efficiency, energy saving and carbon reduction, as well as innovative revenue growth. Tera Planet has been fully upgraded to serve three types of customers - low-carbon industrial, low-carbon commercial and low-carbon public buildings - based on feedback from previous customers, and will soon participate in the Shenzhen Virtual Power Plant Integrated Management Service to help build a new power system.

Towngas Green Power Marketing Director Wei Hongyu shared the current status of the green power market trading mechanism and Towngas' experience in dealing with it. With the deepening of the reform and continuous improvement of the power market mechanism, the market-based trading of green power will gradually become a normal mechanism of scale. Under the framework of renewable energy trading in Guangdong, Towngas Energy has served hundreds of energy-consuming and exporter enterprises such as Liby, International Precision and TCL Zhonghuan through renewable energy power trading. 1 billion kWh of electricity had been traded in Guangdong in 2023, and 35 billion kWh of electricity is expected to be traded nationwide in 2025. Renewable energy consumption trading can complement the construction of the Towngas Smart Energy zero-carbon smart industrial parks by crediting the renewable energy consumption of the self-generating and self-consuming entities with a 30% energy saving rate, thus providing a guarantee for the sustainable development of enterprises.

Towngas Energy Storage Deputy General Manager Han Yichun's sharing focused on applying energy storage technology in zero-carbon smart industrial parks. He mentioned that zero-carbon smart industrial parks are the key to achieving the dual carbon goals. As an innovative energy technology enterprise integrating advanced energy storage technology, system solutions, integrated services and project operation, Towngas Energy Storage carried out overall planning according to the local conditions of the industrial parks, through demand-side overlapping revenue, peak power reduction, dynamic capacity increase and integrated light and storage facilities. Together with functional mobile storage & charging and urban electric storage, it realises multi-site and multi-functional full life-cycle management of energy storage power stations and accelerates the overall progress towards zero carbon.

Towngas Smart Energy is a subsidiary of The Hong Kong and China Gas Company Limited, Hong Kong's oldest public utility and one of the largest energy suppliers in Hong Kong. It has been expanding its business on the Chinese mainland since 1994 and is now a leading global smart energy company with operations in city gas and renewable energy.

In the future, Towngas Smart Energy will continue to focus on the dual carbon needs of industrial parks and industrial and commercial customers and work with industry ecological partners to actively create zero-carbon solutions that can be implemented, create value for customers, help enterprises build ESG, and help realise every zero-carbon dream.

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Press photo:

Photo 1:



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For media enquiries, please contact:

Mr Bien Wong
Corporate Affairs, ESG and
Mainland Business Strategy Manager
Tel.: 2963 3135 / 6155 2480
Fax: 2516 7368
Email: bien.wong@towngas.com

Ms Julia Wong
Senior Corporate Communications Officer
Tel.: 2963 3492 / 6064 0007
Fax: 2516 7368
Email: julia.wong@towngas.com