

24 November 2021

## Innovative Green Technology in the Spotlight as CLP Smart Energy Award Draws Record Number of Entries

CLP Power Hong Kong Limited (CLP Power) today (24 November) hosted the fourth annual presentation ceremony of **Smart Energy Award** programme, rewarding industrial and commercial customers for their outstanding performances in energy conservation and encouraging businesses and organisations to use innovative technologies to enhance energy efficiency as Hong Kong begins its transformation into a low-carbon smart city.

This year's programme attracted a record number of more than 630 entries competing for awards in four categories: Energy-Saving Performance, Peak Demand Management, Renewable Energy, and Smart Technology. The awards were separated into two divisions – one for corporate and Government bodies, and the second for small and medium-sized enterprises (SMEs), non-governmental organisations (NGOs), and education institutes. Judges selected a total of 49 outstanding organisations. (Please see appendix for full awards list.)

Many companies applied innovative energy-saving solutions to reduce power consumption, enhance operational efficiency performance, and address the challenges of climate change by creating a sustainable business environment. Equinix Hong Kong Limited, which won the Energy-Saving Performance Grand Award in the corporate and Government bodies division, enhanced its energy efficiency by adopting intelligent energy-saving solutions for its Hong Kong data centres.

Data centres require a high level of efficiency for their round-the-clock operations. Higher heat will be generated during the process, and requires continuous cooling and dehumidification of the equipment. In the past, they reduced humidity by simply increasing the cooling load of air-conditioners, leading to high levels of power consumption. Equinix introduced additional dehumidifying equipment to regulate humidity and temperature precisely. Its data centres also installed sensors to collect and analyse data such as indoor temperature and the cooling needs of equipment through the smart system, and to automatically regulate the cooling of each zone, reducing its energy use and operating costs.

Another winner, Hang Heung Cake Shop Company Limited, successfully achieved a low-carbon transformation for its century-old business. Its new cake workshop features a range of smart equipment and energy-saving solutions, including smart ovens which automatically adjust the air flow, heat, and cooking time according to the amount of cakes and pastries being prepared, saving around 20% of electricity compared with traditional ovens. In addition, the new workshop's air conditioning and lighting systems are controlled independently zone by zone. Pastry chefs monitor the temperature and humidity in real time using a mobile app, and the dehumidifying system can be automatically adjusted to keep the environment dry and ensure the quality of the cakes. Through these initiatives, the workshop has significantly increased productivity while saving a total of 460,000 kilowatt-hours (kWh) of electricity a year, winning it the Energy-Saving Performance Excellence Award in the SME, NGO, and education institute division.

In addition to the century-old brand, large shopping malls also use smart technology to improve energy management. The V Walk shopping mall managed by Kai Shing Management Services Limited took part in the **CLP Retro-commissioning Charter Programme** this year and received funding from the **CLP Eco Building Fund** to carry out energy-saving improvement works and improve its energy efficiency. The mall uses smart sensors and a building management system, analysing environmental data such as temperature, customer flow, and facilities usage in the mall in real time, and automatically regulating the cooling load of air conditioners. The innovative measures reduced the mall's electricity consumption by around 300,000 kilowatt-hours (kWh) a year and won the Smart Technology Excellence Award in the corporate and Government bodies division.

Speaking at the presentation ceremony, CLP Power Managing Director Mr T K Chiang said, "Our commercial and industrial customers should be applauded for not putting energy saving and carbon reduction measures on hold because of the pandemic. Many companies have drawn on smart technologies and innovative ideas to implement energy management solutions to meet their business needs. CLP Power will continue to work with customers to apply innovative energy-saving solutions in support of Hong Kong's sustainable development, and support the Government's goal of achieving carbon neutrality before 2050."

Mr Raymond Poon, Deputy Director of Electrical and Mechanical Services and officiating guest of the presentation ceremony, mentioned the technologies applied by the awardees echoed the four major decarbonisation strategies in the Hong Kong's Climate Action Plan 2050 which was announced this year. He hoped more innovation and technology could be applied for decarbonisation.

To learn more about the energy-saving solutions adopted by the winners of the **CLP Smart Energy Award** programme, please visit [www.clp.com.hk/SEaward](http://www.clp.com.hk/SEaward).

### **About CLP Power Hong Kong Limited**

CLP Power Hong Kong Limited (“CLP Power”) is the Hong Kong utility subsidiary wholly owned by CLP Holdings Limited, a company listed on the Hong Kong Stock Exchange and one of the largest investor-owned power businesses in Asia. CLP Power operates a vertically integrated electricity supply business in Hong Kong, and provides a highly reliable supply of electricity and excellent customer services to six million people in its supply area. In 2021, CLP celebrates the 120th anniversary of its founding in Hong Kong with a commitment to continue to move forward with the community based on a shared vision of a better tomorrow.

### **Photo Captions:**

Photo 1



CLP Power Managing Director Mr T K Chiang says CLP Power will continue to work with customers to apply innovative energy-saving solutions in support of Hong Kong’s sustainable development, and support the Government’s goal of achieving carbon neutrality before 2050.

Photo 2



Deputy Director of Electrical and Mechanical Services Mr Raymond Poon mentions the technologies applied by the awardees echoed the four major decarbonisation strategies in the Hong Kong’s Climate Action Plan 2050 which was announced this year. He hopes more innovation and technology could be applied for decarbonisation.

Photo 3



(From left) CLP Power Chief Corporate Development Officer Ms Quince Chong, Director of the Hong Kong Observatory Dr Cheng Cho-ming, Deputy Director of Electrical and Mechanical Services Mr Raymond Poon, CLP Power Managing Director Mr T K Chiang, and CLP Power Chief Operating Officer Mr Joseph Law officiate at the opening of the Smart Energy Award programme presentation ceremony.

Photo 4



The ceremony showcases the low-carbon transformation of winners using innovative energy-saving solutions.

(From left: CLP Power Chief Operating Officer Mr Joseph Law, Director of the Hong Kong Observatory Dr Cheng Cho-ming, CLP Power Managing Director Mr T K Chiang, Deputy Director of Electrical and Mechanical Services Mr Raymond Poon, and CLP Power Chief Corporate Development Officer Ms Quince Chong.)

- Ends -

## Appendix: Winners of Smart Energy Award programme 2021

Award	Category	Organisation
Energy Saving Performance Grand Award	Corporate/Government Bodies	DFI Retail Group Equinix Hong Kong Limited
	SME/NGO/Education Institute	Pui Ching Middle School
Energy Saving Performance Excellence Award	Corporate/Government Bodies	Hong Kong Disneyland Resort
	SME/NGO/Education Institute	Hang Heung Cake Shop Co., Ltd Ma On Shan Promotion of Livelihood and Recreation Association
Peak Demand Management Grand Award	Corporate/Government Bodies	Nan Fung Property Management - TKO Plaza (Mall)
	SME/NGO/Education Institute	Pionier Laundry Limited
Peak Demand Management Excellence Award	Corporate/Government Bodies	Royal Elite Service Company Limited - Peak One Victoria Harbour Restaurant Group (Hong Kong)
	SME/NGO/Education Institute	Master Beef Taiwanese Hotpot Pine Care Point
Renewable Energy Grand Award	Corporate/Government Bodies	Citi
	SME/NGO/Education Institute	Green Paws Company Limited Wo Lee Steel Company Limited
Renewable Energy Excellence Award	Corporate/Government Bodies	Hung Hing Off-set Printing Co., Ltd Tradeport Hong Kong Limited
	SME/NGO/Education Institute	Comfort Rehabilitation Home
Smart Technology Grand Award	Corporate/Government Bodies	Airport Authority Hong Kong
	SME/NGO/Education Institute	Forward Living
Smart Technology Excellence Award	Corporate/Government Bodies	Hang Lung Properties' Amoy Plaza Kai Shing Management Services Limited - V Walk
	SME/NGO/Education Institute	Beyond Compare Ltd (Cook Beyond) Ricky's Spicy Kitchen
Renewable Energy Contribution Award	Corporate/Government Bodies	Hang Seng Bank UBS AG SUNeVision Holdings Ltd. Rosewood Hong Kong HSBC LHGroup

	<b>SME/NGO/Education Institute</b>	Widex Technology Development Limited PURE Fitness at K11 MUSEA
<b>Energy Saving Performance Vendor</b>	Siemens Limited	
	City Facilities Management (HKG) Limited	
	3Tech Corporate Limited	
<b>Smart Technology Vendor</b>	Intelligent Technologies Limited	
	Negawatt Utility Limited	
	ANI Systems Limited	
<b>Joint Energy Saving Award</b>	Circle K Convenience Stores (HK) Limited	
	Citybase Property Management Limited	
	DFI Retail Group (Brands: Wellcome, 7-Eleven, Mannings)	
	Discovery Bay Services Management Limited	
	Hong Yip Service Company Limited	
	Maxim's Caterers Ltd	
	McDonald's Hong Kong	
	Midland Realty	
	PARKnSHOP (HK) Limited	
	Sino Estates Management Limited	
Tai Hing Group Holdings Ltd		
Tung Wah Group of Hospitals		