

17 October 2023

CLP Smart Energy Award Attracts over 700 Entries and Promotes Innovative Energy-Saving Solutions to Achieve Carbon Neutrality

CLP Power Hong Kong Limited (CLP Power) today (17 October) hosted a presentation ceremony for the 2023 **Smart Energy Award**, recognising businesses and organisations for their outstanding performance in applying innovative solutions to reduce energy use and improve efficiency. The programme, now in its sixth year, attracted record-high entries from more than 700 corporates and Government bodies, small and medium-sized enterprises (SMEs), non-governmental organisations (NGOs), and educational institutions.

Awards were presented in three categories: Carbon Management, Innovation, and Energy Management. Each category comprised a “Corporate and Government bodies” division and a “Catering and SMEs, NGOs, and educational institutions” division. Judges selected a total of 66 winners. (See appendix for full award list.)

Full Nature Farms, which operates a vertical farm in an industrial building, won the **Innovation Excellence Award** in the “Catering and SMEs, NGOs, and educational institutions” division. Vertical farms use space more effectively than traditional farms and produce higher yields of crops for each square metre, but they have higher electricity consumption. The company therefore combined farming technology with artificial intelligence and Internet of Things to optimise the use of LED lights according to the temperature and humidity required by plants at different growth stages. These measures improved the productivity and energy efficiency of the farm and saved more than 150,000 kilowatt-hours (kWh) of electricity a year, equivalent to a reduction of 59 tonnes of carbon emissions.

Newtech Group won the **Innovation Excellence Award** in the “Corporate and Government bodies” division for introducing an immersion cooling system to address heat dissipation of data centre servers. By submerging servers in non-conductive coolant, the system reduces the use of air-conditioning and significantly lowers the energy consumption of data centres. It also eliminates dust accumulation and enhances the durability of servers. Taking a large data centre as an example, adopting an immersive cooling system can save approximately 44 gigawatt hours (GWh) of

electricity a year compared with traditional air cooling technology, equivalent to a reduction of 17,200 tonnes of carbon emissions.

Catering is a labour-intensive industry with complicated operational processes and a large amount of equipment. Smart technology is a solution to improve the energy efficiency of operations. Fairwood Fast Food Limited (Fairwood) won the **Energy Management Grand Award** in the “Catering and SMEs, NGOs, and educational institutions” division by leveraging the Smart Energy Online platform to monitor real-time energy usage data and analyse energy consumption systematically in more than 100 stores and production plants. The platform enables Fairwood to introduce targeted energy-saving measures, such as switching to more energy efficient kitchen equipment and optimising daily processes to allow employees to adjust their electricity usage patterns. Since switching to the Smart Energy Online platform in January 2022, Fairwood has saved 2 gigawatt hours (GWh) of electricity, equivalent to a reduction of 780 tonnes of carbon emissions.

All of this year’s winning business organisations exceeded in energy and low-carbon management, and the implementation of innovative energy-saving solutions, collectively saving around 65 gigawatt hours (GWh) of electricity. On top of promoting innovative energy conservation in the business sector, CLP Power also supports organisations in the area of sustainability-linked loans from financial institutions for investments in energy-saving projects. It has so far helped commercial and industrial customers to obtain more than HK\$2 billion in sustainability-linked loans, accelerating the pace of energy conservation and emission reduction for businesses.

CLP Power Managing Director Mr Joseph Law said, “Hong Kong was hit by a super typhoon and a torrential rainstorm in quick succession, demonstrating how climate change can impact people’s livelihoods and lead to economic losses. To combat climate change and support the carbon reduction goals of the country and Hong Kong, CLP Power is committed to helping commercial and industrial customers switch to low-carbon operations.”

He added, “The **CLP Smart Energy Award** aims to encourage organisations in different industries to make better use of innovation for energy saving and carbon reduction. We will continue to support customers to improve their energy efficiency and work together with them to promote carbon reduction through sustainable business practices.”

The ceremony’s officiating guest Under Secretary for Innovation, Technology and Industry Ms Lillian Cheong said, “That the **CLP Smart Energy Award** this year has attracted an unprecedented number of participating organisations demonstrates the

increasing importance the society has attached to energy conservation and emissions reduction by innovation and technology. The HKSAR Government will spare no efforts in building a green technology ecosystem through different measures, with a view to working together with all sectors to make Hong Kong a smart city which is more liveable and sustainable.”

The **CLP Smart Energy Award** programme is widely recognised by different sectors and has a judging panel comprising a broad cross-section of officials and experts, including representatives from the Government, business chambers, green groups, and professional bodies. To find out more about the energy-saving solutions adopted by the winners of the **CLP Smart Energy Award** programme, please visit 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 more than six million people in its supply area.

Photo Captions:

Photo 1



CLP Power Managing Director Mr Joseph Law says CLP Power is committed to helping commercial and industrial customers in their low-carbon transformation and will continue to support customers through multiple initiatives to improve their energy efficiency.

Photo 2



Under Secretary for Innovation, Technology and Industry Ms Lillian Cheong says that the **CLP Smart Energy Award** this year has attracted an unprecedented number of participating organisations demonstrates the increasing importance the society has attached to energy conservation and emissions reduction by innovation and technology.

Photo 3



(From left) CLP Power Chief Corporate Development Officer Ms Quince Chong, Under Secretary for Innovation, Technology and Industry Ms Lillian Cheong, CLP Power Managing Director Mr Joseph Law, and CLP Power Senior Director of Customer Success and Experience Ms Lena Low, officiate at the opening of the **CLP Smart Energy Award** award-presentation ceremony.

Photo 4, 5 and 6



Winners' innovative carbon reduction solutions are showcased at the **CLP Smart Energy Award** award-presentation ceremony.

(From left) CLP Power Director of Customer Success and Sales Dr Anthony Lo, CLP Power Chief Corporate Development Officer Ms Quince Chong, Under Secretary for Innovation, Technology and Industry Ms Lillian Cheong, CLP Power Managing Director Mr Joseph Law, and CLP Power Senior Director of Customer Success and Experience Ms Lena Low.

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Appendix: Winners in the CLP Smart Energy Award 2023

Award	Category	Organisation
Carbon Management Grand Award	Corporate/Government Bodies	Link Asset Management Limited
	Catering and SME, NGO and Educational Institutes	Baptist (Sha Tin Wai) Lui Ming Choi Primary School
Carbon Management Excellence Award	Corporate/Government Bodies	Hong Yip Service Company Limited
		Hongkong International Terminals Limited
	Catering and SME, NGO and Educational Institutes	Harlan's Bar and Restaurant
		Sha Tau Kok Farm Organic Company Limited
Smart Technology Partners	STK Green Power Limited	
Energy Management Grand Award	Corporate/Government Bodies	Chinachem Group
	Catering and SME, NGO and Educational Institutes	Fairwood Fast Food Limited
		Hong Kong Baptist University
Energy Management Excellence Award	Corporate/Government Bodies	MTR Corporation
		The Hong Kong Disneyland Resort
	Catering and SME, NGO and Educational Institutes	Cheung Hang Shopping Centre & King Lam Shopping Centre
Innovation Grand Award	Corporate/Government Bodies	Kai Shing Management Services Limited - International Commerce Centre
	Catering and SME, NGO and Educational Institutes	Smart Farming HK Limited
Innovation Excellence Award	Corporate/Government Bodies	Civil Aviation Department
		Hong Kong Science & Technology Parks Corporation
		Newtech Group
	Catering and SME, NGO and Educational Institutes	Alpine Nursing Home
		Full Nature Farms (Hong Kong) Limited
Smart Technology Partners	Caramall Limited	
Sustainable Vision Award	Cathay Pacific Catering Services (H.K.) Limited Cathay Cargo Terminal Hong Kong Airport Services Ltd Nan Fung Property Management New World Property Management Company Limited Swire Coca-Cola HK Tai Hing Catering Group Vogue Laundry Service Limited Vocational Training Council	
Low Carbon Driving Award	Airport Authority Hong Kong Link Asset Management Limited Shell Hong Kong Limited	

	Sino Estates Management Limited		
Renewable Energy Contribution Award	Corporate/Government Bodies	HSBC	
		AirTrunk	
		CiTi	
		Hang Seng Bank	
		UNIQLO HONG KONG, LIMITED	
		Hong Kong Air Cargo Terminals Limited (Hactl)	
		Bupa International Ltd	
		Rosewood Hong Kong	
		UBS AG	
		GU Hong Kong Apparel Limited	
		HaiTong International Securities Group Limited	
		Mercedes-Benz Hong Kong Limited	
		Nilorn East Asia Limited	
		Catering and SME, NGO and Educational Institutes	Tai Hing Catering Group
	Galaxy Engineering Holding Company Limited		
	WITHINGS HK LIMITED		
	RDP ASIA LIMITED		
Prudential Hong Kong Limited			
Hallmark Cards (HK) Limited			
Joint Energy Saving Award	Corporate/Government Bodies	Circle K Convenience Stores (HK) Limited	
		Citybase Property Management Limited	
		DFI Retail Group (Brands: Wellcome, 7-Eleven, Mannings)	
		Discovery Bay Services Management Limited	
		Goodwell Property Management Limited	
		Guardian Property Management Limited	
		Hong Yip Service Co Ltd.	
		Kerry Property Management Services Limited	
		McDonald's Hong Kong	
		Midland Realty International Limited	
		Nan Fung Property Management	
		Sino Estates Management Limited	
		Savills Property Management Limited	
		Urban Property Management Limited	
		Catering and SME, NGO and Educational Institutes	Caritas - Hong Kong
			Tai Hing Catering Group
			Taste of Asia Group Limited
			Tung Wah Group of Hospitals