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**CLP Power and HKSTP Drive Residential Electrification at
“Sustainable Residential Living Conference”
Partnering to Build Smarter, Greener Communities**

CLP Power Hong Kong Limited (CLP Power) and Hong Kong Science and Technology Parks Corporation (HKSTP) jointly hosted the “Sustainable Residential Living Conference” at Hong Kong Science Park today, bringing together stakeholders from government, industry, academia, research and investment communities to discuss decarbonisation pathways and sustainable development strategies for the residential sector. The event attracted more than 200 industry participants. It also featured an on-site I&T showcase area presenting cutting-edge green technologies from ten HKSTP partner companies and R&D centres.

The seminar was officiated by Hong Kong Housing Society Chairman Professor Ling Kar-kan. He was joined by CLP Power Managing Director Mr Joseph Law and HKSTP CEO Mr Terry Wong, in engaging with industry representatives on the future direction of residential electrification.

Hong Kong Housing Society Chairman Professor Ling Kar-kan said, “Promoting residential electrification is essential to advancing low-carbon living and smart communities. The Hong Kong Housing Society has long been committed to creating a more comfortable and environmentally friendly living environment, and has worked closely with CLP Power over the years to promote energy efficiency and electrification, including the use of energy-efficient appliances such as induction cookers and electric water heaters in our projects. I am pleased to see HKSTP and CLP Power providing a platform for industry exchange and collaboration on residential electrification. With the Northern Metropolis set to add more than 500,000 new residential units, alongside the growth of innovation and technology and other emerging sectors, Hong Kong will need to meet rising electricity demand while pursuing decarbonisation and sustainability. This creates unprecedented opportunities for residential electrification and the adoption of cleaner, more efficient energy solutions that support economic growth, improve community wellbeing, and strengthen Hong Kong’s livability and competitiveness.”

CLP Power Managing Director Mr Joseph Law said, “To achieve Hong Kong’s carbon neutrality target by 2050, low-carbon living must be integrated into every household. CLP Power will continue to drive the electrification of residential buildings through all-electric homes, smart energy management and innovative low-carbon solutions, supporting residential developments to become more energy efficient, smarter and more sustainable. By working together with different sectors, we look forward to serving as both a promoter and a connector to build vibrant low-carbon communities and shape a more sustainable future for Hong Kong.”

HKSTP CEO Mr Terry Wong said, “Green technology should not remain confined to the laboratory. It must be brought into the community and integrated into everyday life in order to deliver meaningful impact. As the orchestrator of the innovation and technology (I&T) ecosystem, HKSTP’s role is not only to bring together I&T enterprises, but also to link their strengths together and connect them to genuine market needs. This collaboration with CLP Power provides an excellent example of how innovative technologies can be aligned with industry demand. Through platforms of this kind, we hope to raise the profile of capable local green solutions and support their wider adoption, thereby accelerating Hong Kong’s transition to a low-carbon future.”

The seminar featured keynote sharing sessions by a number of distinguished speakers, including HKSTP Director of Technical Services Mr CF Ma; EMSD Chief Engineer Mr Lam Ping-wai; Construction Industry Council Chairperson of Committee on Environment and Sustainability Ar Clarence Leung; and Hong Kong Housing Society Director (Projects) Ir Franco Cheung. Topics discussed included smart and sustainable I&T parks, collaborative energy systems, and energy efficiency in public housing.

A panel discussion was also held during the seminar, moderated by CLP Power Director of Customer Success and Sales Professor Anthony Lo. Joining the discussion were ATAL Analogue Holdings Limited Chief Executive, Information, Communications & Building Technologies Ir Dave Chan; Chinachem General Manager, Environmental Science Mr Raymond Kwok; Guardforce Group General Manager, Business Strategy & Transformation Mr Steven Leung; and ASTRI Chief Commercial Director Dr Ivan Sham. Under the theme “Innovation in Practice: Scaling Up the Adoption of Sustainable Solutions in Private Residential Projects”, the panel explored opportunities for the commercialisation of green technologies in the residential market.

An on-site I&T showcase area was also set up, where ten HKSTP partner companies and R&D centres exhibited innovative solutions across three major technology areas, namely digitalisation and artificial intelligence, coatings and building envelope systems, and low-carbon and circular materials. The technologies on display included AI and energy management, radiative cooling, vacuum-insulated glass, carbon-absorbing

bricks and net-zero concrete, responding to the decarbonisation needs of the residential sector. (Please refer to Appendix 1 for details).

Buildings in Hong Kong account for around 90% of the city's total electricity consumption and generate more than 50% of its carbon emissions. Residential electricity use represents 32% of total electricity consumption in the building sector. Promoting energy-efficient design and the adoption of green technologies in the residential sector is therefore critical to achieving Hong Kong's carbon neutrality target by 2050.

CLP Power has been actively promoting the electrification of residential buildings and the development of all-electric homes. Working closely with developers and public housing authorisations and organisations, the company has introduced all-electric cooking and smart energy solutions in residential projects.

CLP Power also supports households in upgrading to high energy-efficiency appliances with Grade 1 Energy Labels, helping them save energy, reduce carbon emissions, and improve living standards. This year, CLP Power allocated HK\$30 million from the CLP Community Energy Saving Fund to launch the Energy Efficient Appliance Replacement Scheme, helping 11,000 underprivileged households replace appliances including air conditioners, water heaters and washing machines with higher energy efficient models, thereby reducing energy costs and enhancing electrical safety.

In addition, CLP Power's smart meters and mobile apps empower customers to monitor their household electricity consumption, improve energy efficiency and make more informed energy choices to support a low-carbon lifestyle.

The "Sustainable Residential Living Conference", jointly organised by CLP Power and HKSTP, translates the two organisations' shared vision for greener housing into concrete action. The conference serves as a platform to exchange insights, showcase innovative solutions and foster collaboration among industry stakeholders. By connecting industry needs with emerging technologies, it aims to accelerate the adoption of smart and sustainable solutions across the residential sector.

HKSTP's I&T ecosystem brings together more than 230 green technology companies. Since the launch of the GreenTech Hub at InnoCentre in Kowloon Tong last year, its partner network has expanded to 20 public and private sector organisations. It has also hosted more than 100 green technology events and facilitated over 360 business matching sessions, with a view to fostering synergy between green technology and green finance, and supporting Hong Kong's development as an international hub for green technology and green finance.

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.

About Hong Kong Science and Technology Parks Corporation

Hong Kong Science and Technology Parks Corporation (HKSTP), established in 2001, has built a thriving innovation and technology (I&T) ecosystem in Hong Kong, supporting 14 unicorns, nurturing over 17,000 research talents, and hosting more than 2,400 technology companies from 26 countries and regions specializing in biomedicine, AI and robotics, fintech, and smart city development. HKSTP is dedicated to positioning Hong Kong as an international I&T hub.

To align with Hong Kong's future development, HKSTP is committed to attracting and cultivating I&T talent, accelerating the commercialization of innovative outcomes, and providing comprehensive support for technology companies and professionals on their innovation journey. Its vibrant I&T ecosystem continues to grow, encompassing Hong Kong Science Park in Pak Shek Kok, InnoCentre in Kowloon Tong, and three InnoParks in Tai Po, Yuen Long, and Tseung Kwan O. These facilities drive advancements in applied technology, focusing on industries such as advanced manufacturing, micro- electronics, and biotechnology, steering Hong Kong toward new industrialization.

Hong Kong Science Park Shenzhen Branch, located in Futian, Shenzhen, leverages the strategic advantage of "support of the Motherland, connecting to the world." It serves as a bridge for "bringing in and going global," actively fostering cross-border I&T collaboration. The Shenzhen Branch supports global technology companies and professionals by providing research and collaboration spaces, with a focus on enterprises in seven key sectors: Medtech, big data and AI, robotics, new materials, microelectronics, fintech, and sustainable development.

HKSTP is dedicated to advancing Hong Kong's I&T development by providing research infrastructure, startup and enterprise support services, professional investment and business expertise, fostering partnership networks, and attracting top talent. These efforts drive innovation as a new engine for economic growth for Hong Kong.

More information about HKSTP is available at www.hkstp.org.

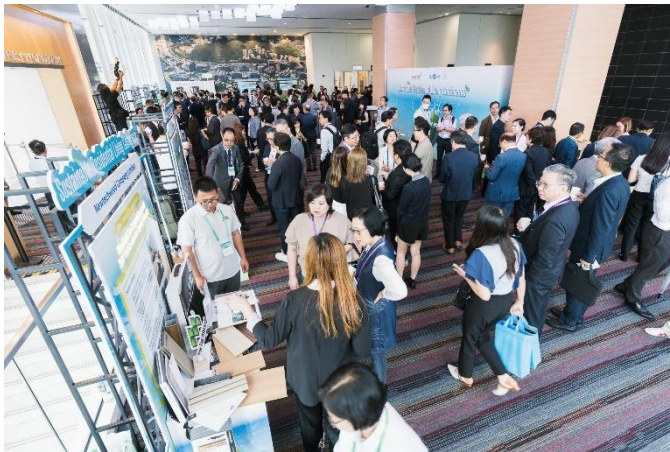
Photo Captions:

Photo 1



Hong Kong Housing Society Chairman Professor Ling Kar-kan (centre); CLP Power Managing Director Mr Joseph Law (left) and HKSTP CEO Mr Terry Wong (right), officiate at the “Sustainable Residential Living Conference” and joined industry representatives to discuss the future direction of residential electrification.

Photo 2



An innovative green technology showcase is also held alongside the seminar, where ten HKSTP partner companies and R&D centres presented cutting-edge solutions focused on digitalisation and artificial intelligence, coatings and building envelope systems, as well as low-carbon and circular materials, attracting lively exchanges among participants.

Photo 3



Hong Kong Housing Society Chairman Professor Ling Kar-kan, CLP Power Managing Director Mr Joseph Law and HKSTP CEO Mr Terry Wong take a group photo with government representatives, property developers, industry leaders and start-up representatives, to jointly promote the green transformation of the residential sector.

Photo 4



The expert panel discussion, themed “Innovation in Practice: Scaling Up the Adoption of Sustainable Solutions in Private Residential Projects”, was moderated by CLP Power Director of Customer Success and Sales Professor Anthony Lo (first from left), and brought together leaders from across sectors for an in-depth exchange on the commercialisation and scaling opportunities for green technologies in the private residential market.

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Appendix 1: Innovative Solutions Showcased by HKSTP Partner Companies, R&D Centres and Exhibitors

Company Name	Innovative Solution
A-Grade Energy Ltd	A-Grade Energy Ltd a green technology company under the HKSTP ecosystem, is introducing cadmium telluride (CdTe) BIPV technology. The company provides solar glass, energy storage systems and ultra-fast EV charging solutions, helping to redefine green building façades.
Airdefender International Company Limited	AirDefender introduces the world's first patented dirt-mitigation coating, which makes frequent cleaning largely unnecessary, cutting maintenance frequency and cost by over 60%. In open atmospheres, it also reduces NOx and PM2.5 by more than 25%, turning infrastructure into climate-positive, low-maintenance assets for utilities worldwide at scale today.
Architecture & Decoration Technology Group (A&D) Limited	A&D Technology Group Limited pioneers next-generation sustainable construction by integrating DfMA, MiC, AI-driven design and full-cycle digitalisation across products, logistics and supply chains to reduce waste and carbon emissions. As a HKSTP-incubated ConTech innovator, the company is accelerating green building delivery and redefining ESG-ready residential living for a carbon-neutral future.
Hong Kong Applied Science and Technology Research Institute (ASTRI)	ASTRI is showcasing green innovations for sustainable living, including "Net-zero Concrete Using Bio-based Super Aggregate" and "Self-compacting Backfill Material Using Recycled Construction Waste". These solutions help reduce carbon emissions, promote circular economy practices and support sustainable residential development in Hong Kong.
Closed Loop Sustainable Solutions Limited	Closed Loop Sustainable Solutions Limited focuses on the circular economy through the introduction of saveBOARD, which

	transforms recycled paper cups, plastic wraps and similar materials into low-carbon building products. The company also promotes local plastic wrap recycling and remanufacturing, working with businesses and NGOs to advance source reduction and resource reuse.
Formwork IO Limited	Formwork IO does not offset carbon. It builds with it. Its AtmosCarbon™ platform locks atmospheric CO2 into precast concrete and has been certified carbon-negative by Hong Kong Polytechnic University. The solution has already been installed at AIRSIDE with Nan Fung. At the conference, the company is showcasing AtmosTile™, including Matcha Tile, the world's first architectural tile coloured with leftover matcha.
HK Leadus Innovation CO., LTD	HK Leadus Innovation Co., Ltd. is one of the top three global Vacuum Insulated Glass (VIG) manufacturers. The company not only supplies high-quality VIG products to the market, but is also the world's only VIG manufacturer to provide a fully automated, comprehensive turnkey manufacturing solution.
i2Cool	i2Cool is a pioneering electricity-free cooling technology company dedicated to developing advanced passive radiative cooling materials. Inspired by nature, its solutions reflect solar heat and release thermal energy into outer space, delivering continuous cooling without electricity or refrigerants. Applicable across buildings, infrastructure, vehicles and textiles, these solutions help reduce energy use and carbon emissions.
IKEA for Business	IKEA for Business provides end-to-end project support, including space planning and bulk procurement services, and uses sustainable materials in its kitchen solution

	offerings to help clients develop green, healthy and high-quality residential projects.
Newtechwood Company Limited	NEWTECHWOOD CORPORATION has more than two decades of experience in the manufacture and sale of capped composite products. Its environmentally friendly and durable solutions are well suited to outdoor applications such as courtyards, terraces and public buildings. The company's products are sold in more than 50 countries and regions worldwide.
KUJU by Tronico	KUJU by Tronico is a Hong Kong Science Park-based AIoT innovator with more than 600,000 devices deployed globally, specialising in intelligent indoor space management systems. Its low-cost, wireless AI Energy Manager combines Wi-Fi sensors and cloud intelligence to track real-time power consumption, identify energy waste and deliver actionable optimisation insights directly via WhatsApp.