新聞稿
Media Release

中華電力有限公司
CLP Power Hong Kong Limited

12 April 2021

CLP unveils Hong Kong's First Power Engineering, Energy and Environment-Themed Playground

The **CLP E-Playground** was officially opened today (12 April). The venue is Hong Kong's first power engineering, energy, and environment-themed outdoor playground of its kind and offers a unique education resource for students and members of the public to learn and experience the power journey through a variety of engaging, interactive games.

The playground locates at The Hong Kong Award for Young People (HKAYP) Duke Edinburgh Training Camp in Lam Tsuen, Tai Po. It includes a range of attractions including the Energy Vision Tree, modelled on the famous Lam Tsuen Wishing Tree and incorporating the concepts of solar and wind power, the Ping Pong 360 table tennis game which replicates a natural gas pipeline, the Power Challenge which shows how a hydropower system works, and the Power Fan which is activated by pedal power. These attractions enable visitors to learn about power generation, transmission and supply, as well as the importance of using clean energy. (Please refer to attachment for more details.)

Chairman of CLP Power Mr William Mocatta, Secretary for the Environment Mr Wong Kam-sing, and HKAYP Award Council Member and Chairman of HKAYP Camp Management Committee Mr Philip Ma, took part in the opening ceremony and tour of the **CLP E-Playground** with other guests. More than 50 guests from Government departments and those involved in the project, along with secondary school principals, teachers, and students, joined the event either in person or online.

Mr William Mocatta said, "Over the years, CLP has launched a variety of educational initiatives, covering the entire education pathway, from kindergarten to tertiary education to nurture our young people as a green generation. We believe awareness of energy saving should be cultivated at an early age. We hope **CLP E-Playground** is a place not only for fun, but also a knowledge hub that inspires the interest of our young generation in power expertise and energy conservation."

Secretary for the Environment Mr Wong Kam-sing said, "From **CLP E-Playground**, students could acquire knowledge on environmental protection and energy through play as well as develop a low carbon lifestyle at a young age. This is in line with Hong Kong's roadmap to strive to achieve carbon neutrality."

As well as being open to members of the public, visits to the **CLP E-Playground** will be a major activity in CLP Power's education programme for secondary school students - **CLP Engineer in School**. Participating students will be able to join STEM workshops at the campsite, covering subjects including robot design, drone operation, and the application of artificial intelligence in smart homes.

The workshops will also teach students how CLP Power uses robots and drones in its operations, such as climbing robots for boiler wall inspections at power stations and drones for plant inspections, as well as how CLP Power offers smarter energy service to its customers through the installation of smart meters. The classes are designed to stimulate the interest of students in power engineering.

CLP Power teamed up with HKAYP in 2019 to design and build the **CLP E-Playground**. Apart from different mentioned attractions, the Power Journey Feature Wall, designed and painted by a group of local young artist and students shows how CLP Power is dedicated to provide safe and reliable electricity supply to Hong Kong. Visitors can also have a glance at the power supply facilities nearby to understand the power supply network.

The **CLP E-Playground** is now open for visits upon registration. Secondary schools interested in arranging visits should go to the **CLP Engineer in School** website at http://clp.to/eis_en or call 2678 6782 for more details and registration. Members of the public should contact the HKAYP on 2627 2000 to register.

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:

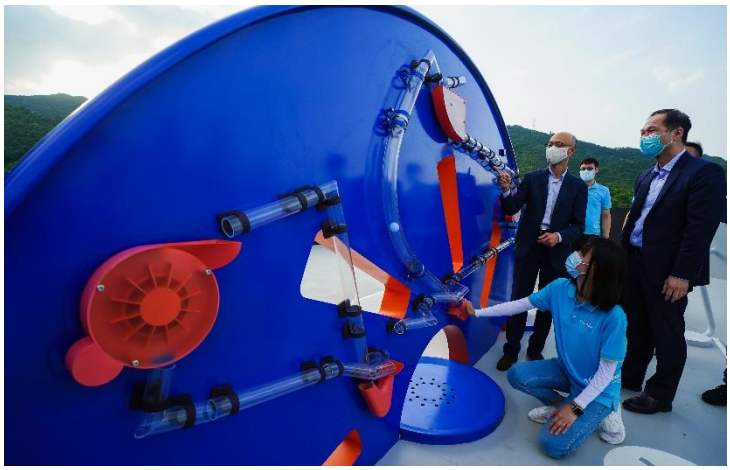
Photo 1

(From left) Non-executive Director of CLP Holdings Limited Mr Philip Kadoorie, District Officer (Tai Po) Ms Eunice Chan, Managing Director of CLP Power Mr TK Chiang, Chairman of CLP Power Mr William Mocatta, Secretary for the Environment Mr Wong Kam-sing, Vice Chairman of CLP Power Mrs Betty Yuen, HKAYP Award Council Member and Chairman of HKAYP Camp Management Committee Mr Philip Ma, and Director of Sir Elly Kadoorie & Sons Limited Mr Rudolf Bischof officiate the opening ceremony of the **CLP E-Playground**.

Photo 2

(From left) Non-executive Director of CLP Holdings Limited Mr Philip Kadoorie, Managing Director of CLP Power Mr TK Chiang, Chairman of CLP Power Mr William Mocatta, Secretary for the Environment Mr Wong Kam-sing, and Vice Chairman of CLP Power Mrs Betty Yuen take photo at the **CLP E-Playground**.

Photo 3



Guests tour the **CLP E-Playground**. Managing Director of CLP Power Mr TK Chiang and Secretary for the Environment Mr Wong Kam-sing join the students to build an energy transmission route using magnetic pipes at the Power Challenge, simulating the operation of a pumped-storage hydropower system.

Photo 4

(From left) Managing Director of CLP Power Mr TK Chiang, Secretary for the Environment Mr Wong Kam-sing, Non-executive Director of CLP Holdings Limited Mr Philip Kadoorie, write down their wishes for environmental protection and low-carbon living on leaf-shaped recycled paper and post them to the Energy Vision Tree in the **CLP E-Playground**.

Photo 5

Visits to the **CLP E-Playground** will be a major activity in the **CLP Engineer in School** programme for secondary school students. As well as guided tours of the facility, participating students can take part in STEM workshops and learn about power engineering.

- Ends –

Attachment:

CLP E-PLAYGROUND

Fact Sheet

- The **CLP E-Playground** is the city's first power engineering, energy and environment-themed playground and offers a unique education resource for students and members of the public to learn and experience the power journey, and understand the importance of clean energy through a variety of engaging, interactive games.
- Located at the Jockey Club Duke of Edinburgh Training Camp of the Hong Kong Award for Young People (HKAYP) in Lam Tsuen, Tai Po, the **CLP E-Playground** is a major activity in the **CLP Engineer in School** programme designed for secondary school students. Participating students will be able to join guided tours of the **CLP E-Playground** and take part in STEM workshops at the campsite. The venue is also open to members of the public for visits.
- CLP Power teamed up with the HKAYP in 2019 to design and build the **CLP E-Playground**. The venue is now open for visits. Secondary schools interested in arranging visits should go to the **CLP Engineer in School** programme website at http://clp.to/eis_en or call 2678 6782 for more details and registration. Members of the public should contact the HKAYP on 2627 2000 to register.

Facilities in the CLP E-Playground

Facilities	**Introduction**
Ping Pong 360 	Visitors play a fun ping-pong game in a circular pipe, which replicates a natural gas pipeline of CLP Power. The game aims to increase visitors' knowledge of natural gas, a clean fuel helping Hong Kong pivot towards low-carbon life style.

	
Power Challenge  	This game illustrates the way a pumped-storage hydropower system works. Players learn about the power system by building a transmission route using magnetic pipes and transporting a ball from one end of the route to the other.
Power Fan  	A fan is activated from kinetic energy generated by paddling a bike. The physical effort involved reminds visitors generating electricity is not easy, and they should conserve power in their everyday lives.

Energy Vision Tree  	This feature is based on the famous Lam Tsuen Wishing Tree. Visitors can wish for a greener future by writing energy-saving ideas on leaf-shaped recycled paper and posting them to the tree. Each leaf will spin with the wind, symbolising the generation of wind power.
CLP Power Overhead Lines and Transmission Towers 	Visitors will see CLP Power's overhead lines and transmission towers on hillsides surrounding the **CLP E-Playground**. These are key facilities of the CLP Power's transmission and distribution network, bringing electricity from power stations to our customers.
Power Journey Feature Wall 	The Feature Wall, painted by a local artist and students, shows CLP Power's presence in the city and illustrates how CLP Power staff work hard to provide safe and reliable power supply to the city.

The STEM Workshops

STEM Workshops	Introduction
An introduction to robotics 	To train and inspire participants interested in robot design and to introduce Hong Kong's fuel mix, the workshop teaches participants to build robotic shooting machines to complete a booth game introducing the fuel mix for power generation in Hong Kong. The workshop also introduces participants to the use of robots at CLP Power, including climbing robots that carry out boiler wall inspections at power stations.
Use of drones 	Participants learn how to fly a drone to pass through different obstacles. The workshop also teaches participants how to programme drones to take particular routes from codes they create. CLP Power uses drones to carry out safety inspections at power stations. The workshop increases participants' knowledge about the use of drones and their benefits, such as improving the accuracy of inspections, raising operational efficiency, and increasing safety standards by eliminating the risk of people working at height and in confined spaces.
The application of Artificial Intelligence 	Participants are introduced to the Internet of Things (IoT) by operating a model home with a variety of sensors. The workshop also teaches participants how to interpret data and how Artificial Intelligence technology can be applied in a smart home. CLP Power is installing smart meters for its customers. The workshop introduces a real-life example of how to achieve a smarter, greener lifestyle through the installation of smart meters