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CLP Power's Engineer-in-School Programme Hosts Low-carbon Energy Challenge to Inspire Secondary School Students to Explore Clean Energy and Innovative Technologies

CLP Power Hong Kong Limited (CLP Power) and the Center for Global & Community Engagement at the Hong Kong University of Science and Technology (HKUST) School of Engineering jointly hosted a **Low-carbon Energy Challenge** on 3 July for nearly 100 secondary school students. The STEM Day taught youngsters about the fundamentals of zero-carbon green hydrogen energy, to assemble omni-wheeled robots to complete missions, inspiring them to step out of their classrooms and learn the importance of clean energy and explore the need for sustainable development.

Launched in 2016, CLP Power's **Engineer-in-School** programme adopts novel approaches to educate secondary school students about the importance of energy saving and decarbonisation. The programme includes visits to schools by CLP Power engineers who explain their profession and careers paths in power engineering to inspire interest in the industry, and has so far reached more than 71,000 youngsters in around 190 secondary schools.

Enthralling new elements are constantly added to the programme to capture the imagination of participants and it had the theme "In Green Power We Strive" this year. The STEM Day gave nearly 100 students from nine schools the opportunity to experience university campus life, learn about the development of renewable energy in Hong Kong, and explore the fundamentals of zero-carbon green hydrogen energy. Guided by HKUST undergraduate mentors, participants assembled omni-wheeled robots, brainstormed different strategies, and competed in team battles, unleashing their creativity and cultivating their teamwork and problem-solving skills while expanding their knowledge about clean energy.

CLP Power Chief Corporate Development Officer Ms Quince Chong said, "Decarbonisation remains our business focus and we work towards net-zero power generation and other decarbonisation measures. These include the phasing out of coal-fired power generation by 2035, in order to support the HKSAR Government in achieving carbon neutrality before 2050. As we move towards a future that places great value on green innovation, we are determined to unleash more creativity to make Hong Kong a smart city. I hope this activity will spark youngster's interest in the

power industry and innovative technologies, inspiring them to protect the environment and promote sustainable development.”

Director of Center for Global & Community Engagement of HKUST’s School of Engineering Professor Tim Woo explained, “The HKUST and CLP Power have worked in close partnership for many years. The STEM Day is designed by university students and give them the opportunity to interact and exchange knowledge with secondary school students, providing a valuable learning platform and embodying the spirit of the **Engineer-in-School** programme by using an educational setting to cultivate low-carbon engineers.”

Aberdeen Technical School was named the competition winner after two rounds of competition at the event. One of the winning students, Mr. David Leung, said, “It was my great pleasure to team up with my fellow classmates to complete the missions, and we even won the championship. We’ve learnt the techniques of assembling robots in class before, but the work this time was exceptionally detailed, which really widened my horizons. I would like to thank the organisers for hosting this event, which was a precious learning opportunity that allowed me to acquire energy knowledge.”

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 service to more than six million people in its supply area.

Photo 1



CLP Power and the Center for Global & Community Engagement at the HKUST’s School of Engineering hosted the “**Low-carbon Energy Challenge**” **STEM Day**, attracting nearly 100 student participants.

Photo 2



CLP Power Chief Corporate Development Officer Ms Quince Chong says new elements have been added to the **Engineer-in-School** programme to spark interest in the power industry and innovative technologies among youngsters, as well as inspiring them to protect the environment and promote sustainable development.

Photo 3 and 4



Students learn to assemble omni-wheeled robots, using creative strategies and competing in groups under the guidance of HKUST undergraduates and mentors, inspiring them to learn the importance of clean energy and explore the need for sustainable development.

Photo 5



Aberdeen Technical School was named the champion of the **Low-carbon Energy Challenge**. CLP Power Chief Corporate Development Officer Ms Quince Chong (first right) and Professor of Division of Integrative Systems & Design of HKUST's Academy of Interdisciplinary Studies Professor Tsui Chi-ying (first left) present an award to the winning team.

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