

22 November 2024

中華電力有限公司
CLP Power Hong Kong Limited

LegCo Panel on Environmental Affairs Visits Black Point Power Station to Understand CLP Power’s Decarbonisation Blueprint and Use of Innovative Technologies to Cope with Extreme Weather

Legislative Council (LegCo) Panel on Environmental Affairs Chairman Mr Lau Kwok-fan and Deputy Chairman Mr Chan Siu-hung as well as other legislators visited Black Point Power Station in Tuen Mun on Monday (18 November). They gained an in-depth understanding of CLP Power Hong Kong Limited (CLP Power)’s decarbonisation strategy and the innovative technologies being used to cope with extreme weather and maintain a stable, reliable power supply.

Accompanied by CLP Power Managing Director Mr Joseph Law and Chief Corporate Development Officer Ms Quince Chong, the legislators were briefed on CLP Power’s multi-pronged approach to decarbonisation. This includes offering full support to the Government and working closely with the community to promote decarbonisation. By taking a dual approach on both demand and supply sides, CLP Power implements low-carbon generation and encourages customers to adopt environmentally friendly and energy-saving practices to achieve carbon neutrality before 2050.

The legislators then inspected the mitigation measures implemented at the power station to address extreme weather, such as installing additional lightning protection devices for generation units and a raised-floor switch room for the new gas-fired generation unit D2 (Unit D2) to reduce the risk of flooding. The enhancements have further strengthened the resilience of the power supply facilities and system against extreme weather events.

In a workshop, CLP Power engineering staff also demonstrated innovative technologies for maintaining smooth operations, including the use of cage drones equipped with a Light Detection and Ranging (LiDAR) system and sensors, as well as crawling robots for more flexible and rapid inspections of inaccessible areas within power generation facilities. These technologies make inspections and maintenance more comprehensive and enhance operational safety and efficiency in the power station.

CLP Power Managing Director Mr Joseph Law described the visit as fruitful and said it provided an opportunity for legislators to gain a deeper understanding of CLP Power’s commitment to decarbonisation and ensuring a stable power supply. “Decarbonisation, digitalisation, and electrification are crucial elements in the development of the power industry. CLP Power will continue to leverage its power expertise to maintain world-class service quality and reliability, and to fully support the government’s goal of reducing carbon emissions by providing more zero-carbon energy for Hong Kong. These steps will help society move towards a smarter and more sustainable future.”

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 (seventh from right) and Chief Corporate Development Officer Ms Quince Chong (third from left) join the Chairman of the Legislative Council Panel on Environmental Affairs Mr Lau Kwok-fan (sixth from right), Deputy Chairman Mr Chan Siu-hung (seventh from left), and other legislators for a group photo in front of the gas-fired generation unit D1.

Photo 2



CLP Power engineering staff demonstrate how innovative technologies are used at the power stations, including drones and robots to conduct routine inspections to enhance inspection efficiency and operational safety.

Photo 3



Legislators visit the new gas-fired generation unit D2 switch room, which features a raised-floor design as an example of measures taken to combat extreme weather.

Photo 4



Black Point Power Station began operations in 1996 and now has 10 gas-fired generation units with a total generation capacity of 3,850 megawatts, making it one of the largest gas-fired combined-cycle power stations in the world.

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