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中華電力有限公司
CLP Power Hong Kong Limited

CLP Power Wins Five Top Prizes at 'Industry Oscars' Asian Power Awards

CLP Power Hong Kong Limited ("CLP Power") has won five top prizes in the Asian Power Awards 2021, known as the Oscars of the Asia-Pacific energy industry. The awards were presented for two environmentally-sensitive infrastructure projects – the new gas-fired generation unit D1 (Unit D1) at Black Point Power Station, and the Ma Sik Road 132 kV substation in Fanling.

Unit D1 at Black Point Power Station landed four prizes at the prestigious ceremony: Gold Award in the Gas Power Project of the Year category, Gas Power Project of the Year for Hong Kong, Gold Award in the Flexible Gas Power Project of the Year category, and Gold Award in the Dual Fuel Power Plant of the Year category. The under-construction Ma Sik Road 132 kV substation, meanwhile, won Silver Award in the Transmission and Distribution Project of the Year category.

CLP Power Chief Operating Officer Mr Joseph Law said the awards not only recognised the outstanding performance of the project teams, but also encouraged team members to continue to promote sustainable development and transform CLP Power into a Utility of the Future to meet the evolving energy needs of customers and society.

He added: "CLP Power has served Hong Kong for 120 years and is committed to providing a safe, reliable, and environmentally-friendly power supply at a reasonable cost. In an age of escalating climate change, reducing carbon emissions is an increasingly critical priority, and CLP Power is committed to achieving net-zero greenhouse gas emissions across the value chain by 2050."

"We are innovatively adopting low-carbon fuels for power generation with the goal of helping Hong Kong move forward on its energy transition journey. CLP Power will continue to embrace the possibilities and opportunities new technology offers, and work with the community to head towards a greener, brighter tomorrow."

Unit D1 went into service in 2020 and has a generation capacity of 550 megawatts, making it the largest of all existing gas-fired units in Hong Kong. The unit uses Combined Cycle Gas Turbine (CCGT) technology with an advanced design capable of achieving an efficiency rate of around 60%, making it one of the most efficient gas-fired power plants in the world.

In addition, Unit D1 incorporates numerous green features in its architectural design and was awarded a Provisional Platinum rating in BEAM Plus Assessment conducted by the Hong Kong Green Building Council. The green features include access to natural light, energy-efficient electrical fixtures and appliances, a rainwater harvesting system, solar panels, and vertical greening, supporting energy saving and promoting sustainability.

With the contribution of Unit D1, it is expected that one million tonnes of carbon emissions will be avoided in a year, equivalent to the planting of more than 42 million trees. The unit has also cut the carbon intensity of CLP Power's generation by 26% to 0.37 kg per unit of electricity consumed compared with 2019 levels. CLP Power is now outperforming developed countries including Japan and South Korea and is on a par with Germany and the United States in terms of its carbon emissions performance.

The 132 kV substation in Ma Sik Road, Fanling, is being built to support new town development in North East New Territories. The new substation will provide a reliable and stable power supply for a range of new residential buildings and business premises, as well as public facilities.

The project team has incorporated a range of green and sustainable features in the design of the Ma Sik Road 132 kV substation, including extensive green plantation, solar panels, and a rainwater harvest system. The façade of the substation with a tree pattern design, meanwhile, gives the building a modern appearance to blend in with the surrounding area. Building Information Modelling (BIM) technology has also been deployed to improve the safety and overall cost effectiveness of the substation.

The Asian Power Awards is the region's most prestigious event of its kind and celebrates ground-breaking initiatives in the Asia-Pacific power sector. Judges include top global experts and industry leaders, and the awards recognise enterprises for embracing innovation, supporting sustainable development, and practicing social responsibility. CLP Power has previously won the awards for the Hong Kong-Zhuhai Macao Bridge substation, the West Kowloon Cultural District substation, the Kai Tak Cable Tunnel, Queen's Hill substation, and the Shing Kai Road substation.

Appendix: [Facts about CLP Power's new gas-fired generation unit](#)

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 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



CLP Power Chief Operating Officer Mr Joseph Law (2nd from right), Senior Director – Generation Mr Paul Tomlinson (2nd from left), Director - Black Point / Penny's Bay Power Stations Mr Luk Kwok Keung (1st from left), and Deputy Director - CCGT D1 Project Mr Ken Fong (1st from right) celebrate the four prizes presented to Unit D1 at the Asian Power Awards 2021.

Photo 2



CLP Power Chief Operating Officer Mr Joseph Law (middle), Senior Director - Power Systems Mr Eric Cheung (right), and Director - Transmission Mr Alex Wong (left) say the award recognises the efforts of project team members in designing the Ma Sik Road 132 kV substation, which is built and dedicated to support new town development in North East New Territories.

Photo 3



Unit D1 went into service in 2020 and has a generation capacity of 550 megawatts. The unit uses Combined Cycle Gas Turbine (CCGT) technology with an advanced design capable of achieving an efficiency rate of around 60%.

Photo 4



A computerised simulation of the Ma Sik Road 132 kV substation, which is currently under construction and incorporates a range of green, sustainable design features.

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