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CLPe and CNOOC Achieve Landmark LNG Bunkering Operation for A Very Large Crude Carrier at Hong Kong Waters

CLPe in collaboration with **CNOOC (Shenzhen) International Marine Clean Energy Co., Ltd.** (CNOOC), successfully completed Hong Kong's first liquefied natural gas (LNG) ship-to-ship bunker operation for a **Very Large Crude Carrier (VLCC)**, *Maran Dione*, on 24 February. This achievement highlights CLPe's ability to service a wide spectrum of vessel types and reinforces Hong Kong's position as a world-class green marine fuel bunkering hub and its growing readiness to support an expanding range of green-fuel-powered vessels.

The operation was conducted at the South Cheung Chau Anchorage, where approximately 4,700 cubic metres of LNG was delivered to the VLCC, *Maran Dione*, in around 7 hours. Built in 2023, *Maran Dione* measures 330 metres in length and 60 metres in width, with a deadweight capacity of about 320,000 tonnes, placing her among the largest VLCCs in the world. This successful LNG bunkering enables the vessel to travel around 12,000 nautical miles continuously, equivalent to a round trip between the Middle East and East Asia without intermediate refuelling.

The operation was carried out by CNOOC's *Haiyang Shiyou 301*, the world's largest LNG bunkering and transport vessel, with an LNG storage capacity of 30,000 cubic meters and an overall length of nearly 200 metres.

CLPe Managing Director Mr Ringo Ng said, "The successful completion of this bunkering operation demonstrates the strong partnership between CLPe and CNOOC, a key energy supplier to the Chinese Mainland's maritime industry. As a super connector, CLPe works hand in hand with CNOOC to bring advanced bunkering services to Hong Kong, providing international vessels with world-class solutions. This achievement highlights CLPe's capability to serve a diverse range of vessel types and reinforces our commitment to accelerating the adoption of green marine fuels. By attracting a wider spectrum of green-energy oceangoing vessels, we are supporting Hong Kong's development as a green marine fuel bunkering centre and strengthening its position as a leading international maritime hub."

Compared with bunkering at a container terminal, anchorage bunkering for a vessel of this scale requires meticulous planning, precise execution and meeting the highest safety standards. This milestone reflects the shared dedication of CLPe and CNOOC to serving the global shipping community, supporting the industry's transition towards low-carbon energy through world-class LNG bunkering expertise.

CLPe teamed up with CNOOC to supply liquefied natural gas (LNG) to the container vessel Hanoi Express from the German shipping company Hapag-Lloyd AG during cargo handling at Kwai Tsing Container Terminals in June last year. Around 10,000 cubic metres of LNG was supplied to the vessel, marking the largest single LNG bunkering operation in Hong Kong to date and the city's first ship-to-ship LNG bunkering with simultaneous cargo handling.

About CLPe

CLPe, a wholly owned subsidiary of CLP Holdings Limited, is dedicated to advancing the transition to low-carbon energy and sustainable development in Hong Kong and the Chinese Mainland. The company delivers large-scale energy infrastructure and offers one-stop energy management solutions, comprising cooling, solar power generation, energy storage systems, electrical and mechanical engineering, and smart energy services. Its "Build-Own-Operate-Transfer" model effectively supports customers in achieving energy saving and carbon reduction goals. CLPe actively promotes electric vehicle charging and liquefied natural gas bunkering services to support the development of green transport. For more details, please visit www.clpesolutions.com.

Photo Captions:

Photo 1 and 2



The first LNG bunkering for a VLCC in Hong Kong took place at the South Cheung Chau Anchorage, where approximately 4,700 cubic metres of LNG was delivered to the dual-fuel VLCC, *Maran Dione*, in 7 hours.

Photo 3 and 4



The LNG bunkering vessel is CNOOC's *Haiyang Shiyou 301*, the world's largest LNG bunkering and transport vessel. Compared with bunkering at a container terminal, anchorage bunkering for a Very Large Crude Carrier requires meticulous planning, precise execution and meeting the highest safety standards.

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