

Press Release
15 September 2025

HK Electric and TDK Sign Agreement to Commence Erection Works for New Gas-fired Generating Unit

HK Electric today signed an agreement with Taihei Dengyo Kaisha, Ltd. (TDK), appointing the company as the contractor for the erection of the new gas-fired combined-cycle generating unit, L13, at Lamma Power Station (LPS). The Unit is expected to be commissioned by 2029. HK Electric Managing Director, Mr. Francis C.Y. Cheng, and TDK Representative Director, President & CEO, Mr. Hiroaki Ito, attended the signing ceremony today.

Speaking at the occasion, Mr. Cheng said, “HK Electric and TDK have collaborated for more than five decades, during which we have successfully delivered numerous large-scale infrastructure projects together. This enduring partnership not only supports HK Electric’s energy transition process, but also contributes meaningfully to Hong Kong’s progress towards carbon neutrality.”

Mr. Ito remarked, “Since 2005, TDK has participated in multiple installation projects for HK Electric’s gas-fired generating units. Following the successful completion of several units, we are pleased to collaborate with HK Electric once again. TDK is fully committed to ensuring the safe, timely and successful completion of this project.”

Piling works for HK Electric’s fifth gas-fired combined-cycle generating unit, L13, were completed in February 2025. Construction of foundation substructure and superstructure for the Main Station Building is currently underway. Installation of major electrical and mechanical equipment is expected to commence in mid-2026, followed by system testing, commissioning and performance tests in 2028. Upon commissioning in 2029, the proportion of gas-fired generation is expected to increase further from the current level of around 68% to about 80%.

Designed with a capacity of 380 MW, L13 will employ combined-cycle generation technology, achieving a high efficiency of over 58% — significantly surpassing that of the existing coal-fired generating units at LPS. This technology is among the cleanest, most efficient and widely adopted methods of fossil fuel-based power generation globally. Over its lifecycle, L13 is expected to reduce carbon emission by around 35 million metric tonnes, equivalent to the annual carbon intake of about 50 million trees, which is a substantial contribution to Hong Kong’s low-carbon future.

In response to the increasing risks posed by extreme weather events, L13 will be constructed with its foundation built to +7.0 metres above Principal Datum (PD), consistent with the design of the L12 unit. This will mitigate the risk of flooding during adverse or extreme weather conditions.

The commissioning of L13 will mark a major milestone in HK Electric's "coal-to-gas" transition. The Company remains committed to supporting the Government's plan to explore zero-carbon energy and the potential application of green hydrogen, while advancing green energy transition and contributing to Hong Kong's goal of achieving carbon neutrality by 2050.

Photo captions:



HK Electric Managing Director, Mr. Francis C.Y. Cheng (2nd from left) and TDK Representative Director, President & CEO, Mr. Hiroaki Ito (2nd from right), HK Electric Operations Director, Mr. Raymond Choi (1st from left), and TDK Director & Managing Executive Officer/Sales Operations Division Manager & Global Business Division Manager, Mr. Shingo Okamoto (1st from right) attend the signing ceremony, marking a significant step forward in HK Electric's energy transition journey.



The fifth gas-fired combined-cycle generating unit, L13, locates at the Lamma Power Station Extension (highlighted part), is expected to be commissioned in 2029.

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