

Prefabrication of modules for waste-to-energy facility I·PARK1 completed (with photos)

The prefabrication of electrical and mechanical equipment modules for the I·PARK1, Hong Kong's first waste-to-energy (WtE) facility for treating municipal solid waste (MSW) has been successfully completed. Deputy Director of Environmental Protection Mr Raymond Wu today (January 19) attended a ceremony for the completion and delivery of the giant electrical and mechanical equipment modules at the prefabrication yard in Zhuhai.

Mr Wu, Zhuhai officials and representatives of I·PARK1's contractors, who also attended the event, delivered speeches at the ceremony. They also reviewed the processes and achievements of the prefabrication, assembly, testing and successful deliveries of the electrical and mechanical equipment modules together.

Addressing the ceremony, Mr Wu said that the successful delivery of prefabricated modules marked another important milestone for the I·PARK1 project. The full collaboration of the relevant parties in the Guangdong-Hong Kong-Macao Greater Bay Area, as well as the close co-operation of various government departments in Hong Kong, led to a smooth arrangement for the cross-border delivery by sea. This also showcased the determination and joint efforts of the project teams from Hong Kong and Zhuhai that yielded a great success with fruitful achievements.

The Environmental Protection Department (EPD) is building the I·PARK1, which is located on an artificial island in the sea off Shek Kwu Chau, at full speed. The contractor arranged to prefabricate the main electrical and mechanical equipment modules in Zhuhai using the Modular integrated Construction (MiC) approach, which comprised six incineration boiler modules and six flue gas treatment system modules. All incineration boiler modules have been successfully delivered. Each incineration boiler module is about 50 metres in height and weighs about 6 000 tonnes. Each boiler module, which are the largest of their kind in the world, takes approximately one year to prefabricate and requires around 500 workers to work on it simultaneously during peak periods. The last two flue gas treatment system modules are expected to arrive in Hong Kong in the first quarter of this year.

Mr Wu said, "The Hong Kong Special Administrative Region Government is committed to develop the WtE facility for sustainable MSW management. The EPD will continue to closely monitor the construction progress of I·PARK1 for commissioning in 2025. Moreover, we are pushing forward with the development of the second WtE facility (I·PARK2) proposed to be constructed at Tsang Tsui in Tuen Mun, and are promoting various waste reduction and recycling initiatives in order to achieve the goals of 'Zero Landfill' and carbon neutrality set out in the Waste Blueprint for Hong Kong 2035 and Hong Kong's Climate Action Plan 2050."

