

EMSD Summit - Innovate HK

Technical Visit on 18 November 2016

A. ~~Hong Kong-Zhuhai-Macao Bridge Site, Lantau~~

~~The Hong Kong-Zhuhai-Macao Bridge is a mega-sized sea-crossing providing a new land-transportation link between the east and west banks of the Pearl River. The Hong Kong Boundary Cross Facilities (HKBCF) is located on an artificial area of about 130 hectares reclaimed from the open waters off the northeast of the Hong Kong International Airport. Through this visit, you will be introduced the HKBCF and have a boat trip to see the project at a closer distance.~~

B. District Cooling System at Kai Tak Development

Kai Tak District Cooling System (KTDCS) is a large scale centralized air-conditioning system providing chilled water to non-domestic buildings in Kai Tak development. The cooling capacity of the system is about 284 megawatt of refrigeration (MW_r) which is equivalent to a cooling capacity for 40 nos. of 30-storey commercial buildings. The Kai Tak Development is a mega-scale development project spanning over 320 hectares and with a mix of community, housing, business, tourism and infrastructural uses. Through this visit, you will be introduced the design and construction of the KTDCS and see the operation of the system in control room of the North Plant of the KTDCS.

C. NTT Communications Hong Kong Financial Data Centre Tower II, Tseung Kwan O

Opening in 2015, the NTT Communications Hong Kong Financial Data Center Tower 2 is a new data centre in Tseung Kwan O with remarkable energy efficiency design. The air-conditioning system has adopted the cooling wall or front-flow design. The data centre enables automatic recovery in the event of any breakdown. Due consideration has been given on resiliency, reliability and redundancy in technical design and operation to the Tier IV standard. Through this visit, you will have a better understanding of the latest design for data centre.

D. Stonecutters Island Sewage Treatment Works (To REPLACE SITE A: Hong Kong-Zhuhai-Macao Bridge Site, Lantau)

Stonecutters Island Sewage Treatment Works is one of the largest and compact sewage treatment works of its type in the world, occupying 10 hectares of reclaimed land. The plant forms an important part of Harbour Sewage Treatment Scheme (HATS). In order to ensure the long term sustainable development of harbor area, HATS is a major Government infrastructure project in Hong Kong. It is being implemented in stages to combat water pollution caused by urban development around Victoria Harbour. Through this visit, you will have a better understanding of the HATS through visiting the Main Pumping Station 2 in Stonecutters Island.