

Organizers:



## **Joint Technical Visit to The District Cooling System in Kai Tak**

### **Date, time & venue**

25 Feb 2017; 9:30am to 11:30am;

Gather at Ground floor at Lobby of EMSD headquarter in Kowloon Bay.(Location map attached)

This visit is a joint activity among HKIE-BSD, ASHRAE-HKC and CIBSE-HKB.

### **Programme Highlight:**

The DCS at KTD is a large scale centralized air-conditioning system. It utilizes sea water to produce chilled water at the central plants and distributes the chilled water to consumer buildings in the KTD through underground water piping network.

The DCS at KTD comprises two central chiller plants, namely the North Plant and the South Plant cum seawater pump house, underground chilled water distribution piping network, seawater supply and discharge pipes and consumer substations located in the buildings to interface with the building's own chilled water circulation systems.

The cooling capacity of the DCS is about 284 megawatt of refrigeration (MW<sub>r</sub>) for serving the non-domestic air-conditioned floor area of about 1.73 million m<sup>2</sup>, equivalent to a cooling supply for 40 nos. of 30-storey high commercial buildings. Upon completion of the project, about 40 kilometres of underground chilled water pipes would have been laid and there would be around 60 buildings in KTD connected to the DCS.

### **Program for the visit:**

Energy Efficiency Exhibition

Introduction of KTDCS equipment models;

Safety briefing to visitors

Viewing Gallery – EMSD DCS project video

Viewing Gallery - Powerpoint presentation for KTDCS and Q&A

Control Room - Introduction of operation control system

Plant Room - Chiller plant visit

DCS plant lobby - Group photo

### **Registration & Enquiry:**

Please register ONLINE via the website of CIBSE Hong Kong Branch – <http://www.cibse.org.hk>

The Visit is free of charge and application will be accepted on a first-come-first-served basis. The maximum number of participants is 30. The deadline of application is 9 Feb 2017. The successful applicant list will be posted on the institution website [www.CIBSE.org.hk](http://www.CIBSE.org.hk). For enquiry, please contact Mr. TC Chan at Tel. 27334147 or 9095 0159.