



# GUIDED TOUR

## The District Cooling System at Kai Tak Development

The District Cooling System (DCS) at Kai Tak Development (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 cooling capacity of the DCS is about 284 megawatt of refrigeration (MWR) 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 50 buildings in KTD connected to the DCS.

DCS consumes 35% and 20% less electricity as compared to traditional air-cooled air-conditioning systems and individual water-cooled air-conditioning systems using cooling towers respectively. With its high energy efficiency, the implementation of DCS at KTD will achieve estimated annual saving of 85 million kilowatt-hour (kWh) in electricity consumption, with a corresponding reduction of 59,500 tons of carbon dioxide emissions per annum.

Don't miss it! In this technical visit, participants can visit the control centre and chiller plant of DCS to know more about its design, operation and maintenance.

**DATE :** Friday, 12 October 2018

**TIME :** 3:30—5:00pm

**ASSEMBLY DETAILS**

3:15pm Lobby of EMSD Headquarter

**ITINERARY:**

3:15pm - Assembly

3:30pm - Introduction, Site tour

5:00pm - End of the visit

**CPD :** 1.5 hours

**LANGUAGE:** English

**REGISTRATION FEE :**

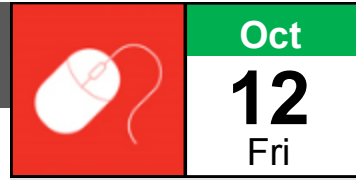
- IFMA HK Chapter Student Members/ Young Professional Members : Free Admission
- IFMA HK Chapter Members / Corporate Partners: HK\$80
- IFMA Base Members / Supporting Organizations : HK\$150
- Non members : HK\$200

**TERMS AND CONDITIONS :**

Please refer to [www.ifma.org.hk](http://www.ifma.org.hk)

**ENQUIRIES :**

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