



皇家造船師學會暨輪機工程及海事科技學會
香港聯合分會

The Hong Kong Joint Branch of
The Royal Institution of Naval Architects
and the Institute of Marine Engineering, Science and Technology

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香港海事科技學會
THE HONG KONG INSTITUTE OF
MARINE TECHNOLOGY

** Notice of Technical Visit**

**Title: Technical Visit to District Cooling System (DCS)
at Kai Tak Development on 4 July 2015 (Saturday)**

District Cooling System (DCS)

To promote energy efficiency and conservation, the Government plans to implement a district cooling system at the Kai Tak Development (KTD) to supply chilled water to buildings in the new development area for centralised air-conditioning. KTD, with a planned total of about 1.7 million square metres (m²) in public and private non-domestic air conditioned floor areas requiring about 284 megawatt (MW) cooling capacity, presents a unique opportunity for implementation of a DCS in Hong Kong.

The project is to construct a large scale centralized air-conditioning system which produces chilled water at its central chiller plants and distributes the chilled water to user buildings in KTD through an underground water piping network. The implementation of this project can bring about significant environmental benefits. The maximum annual saving in electricity consumption will be up to 85 million kilowatt-hour, equivalent to a maximum annual saving of \$76.5 million in electricity bill, and a reduction of 59 500 tonnes of carbon dioxide emission per annum for the planned total public and private non-domestic air-conditioned floor area of about 1.7 million m².

The estimated cost of more than \$1,600 million is required to build this district cooling system. The project will be developed and commissioned for operation in phases. The first phase was planned to be commenced in 2011. The second phase and the third phase for the proposed works are targeted to be commissioned by 2019 and 2021 respectively.

Date: 4 July 2015 (Saturday)

Assembly Time: 09:30 hrs
Assembly Place: Kai Tak District Cooling System, North Plant, 33 Shing Kai Road, Kowloon Bay, Kowloon.
Venue: Kai Tak District Cooling System, North Plant

Registration & Enquiries : This technical visit is free of charge and prior registration is required on first-come-first-served basis. Please complete and return the registration form at below not later than 10 June 2015 to Mr LAI Kim Hing by Email (laikimhing68@gmail.com). Please note that the original Registration Form must be signed and return to the Organizer prior the visit.

For enquiries, please contact Mr K.H. LAI (email: laikimhing68@gmail.com)

Registration Form

(To: laikimhing68@gmail.com; *delete where applicable)

To: Event Coordinator

Please reserve **one** / _____ seat for me on the **Technical Visit to District Cooling System (DCS) at Kai Tak Development on 4 July 2015 (Saturday)**.

I sign below to confirm my consent to follow any and all safety instructions given by the organizer(s) and/or the owner of the premises/sites and to well equip myself with necessary safety gear for participation in the event. I understand that neither the institution nor the parties concerned would accept any liability in connection with the above events.

Name : _____ Signature: _____ Date: _____

Membership no: _____

Email: _____ Tel: _____ : Fax : _____

Reply/ Confirmation Slip

(#delete where not required)

To : Mr/Ms _____

Please be informed that #one / ___ seat(s) for the **Technical Visit to District Cooling System (DCS) at Kai Tak Development on 4 July 2015 (Saturday)** #was/were reserved for you.

Sorry, please be informed that no vacancy is available for you for the captioned Event.

Name _____ & Signature _____

Date : _____

For enquiries, please contact Mr K.H. LAI (email: laikimhing68@gmail.com)



Kai Tak District Cooling System, North plant,
33 Shing Kai Road, Kowloon bay. Kowloon.

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