

Technical Visit to Hong Kong Science Park Phase 3

(organized by Chapter Programs and Refrigeration Committees)

Date : 30 January 2016 (Saturday)
Time : 9:30am - 12:30pm (Registration will start at 9:15am)
Assembly : Conference Hall 07, 2/F, Lakeside 2, Hong Kong Science Park, Shatin, N.T., HK
(See the below location plan for details)

Background:

The Science Park Phase 3 was put into full operation in 2014. This purpose-built building is consolidating one basement carpark, three research and development offices, laboratory buildings, exhibition hall and associated retail and ancillary facilities, external as well as landscaping works. Science Park Phase 3 is also one of the most energy-efficient in Hong Kong which has achieved a LEED v2009 Platinum rating and achieved a BEAM Plus Platinum rating.



The development creates a sustainable working environment, encouraging cultural change, with a 'green education programme' consisting of a guided tour including a smartphone app to showcase the building design, its features and its measured performance to influence visitors and tenants. The buildings' courtyard atriums allow for daylight diffusion as well as for natural cross-ventilation. Energy efficient envelopes for the buildings include: the insulated west façade, insulated green roof, optimised window areas, the highly insulated spandrel area and use of double-low-E glazing. The site boasts an extensive green landscape that covers 40% of the site. A weather-control low pressure drip irrigation system featured in the design, which should result in potable water efficiency.

The MEP designer/energy optimization solution provider/owner's representative will share their experience on those green and innovative ideas adopted in this project such as introduced the building background and some energy saving and contingency features in E&M facilities in view of its unique operational needs. Those key features like Thermal Energy Storage to support the cooling demand of all facilities, daylight sensors and occupancy sensors that automatically switching off lights during un-occupancy, Solar Cooling Water Wall, Air Side Free Cooling, Integrated Chilled Beams, Water Recycle System (Rainwater and AC condensate), etc. were equipped within the buildings. It is then followed by a tour visit to the E&M facilities like the Thermal Energy Storage, Solar Cooling Water Wall, Air Side Free Cooling, Integrated Chilled Beams, etc.

Location Plan:



Transport

- 5-minute from MTR University Station by taking 272K.
- 10-minute from MTR Shatin Station (Pai Tau Street, near to IKEA) by taking minibus route number 27.
- 600 parking spaces available at Science Park Phase 2 Car Park. From Monday to Sunday (include public holiday), visitor can enjoy first 2 hours free parking for purchase at HK\$200 or above or first 4 hours free parking for purchase at HK\$400 or above.
- Free parking and battery charging service for electric vehicle.
- Bicycle parking spaces are also available at the Park.

Speakers:

Mr. Wilson Chan Manager, Technical Services, Operations, Hong Kong Science and Technology Parks Corporation

Sr Nelson Ho Senior Manager, Facilities Management, Hong Kong Science and Technology Parks Corporation

Language: Cantonese

Capacity: 40

Fee: Free of charge

Remark: 3 -hours CPD certificate will be provided.

Registration & Enquiry:

Number of participants is limited and prior registration is required. For registration, please complete Registration Form in the following "[On-Line Registration Link](#)". Only the applications from the members of ASHRAE Hong Kong Chapter will be accepted. The deadline of application is on 15 January 2016. Successful members will be notified by e-mail on or before 22 January 2016, which has to be presented at the registry of the venue entrance for verification. If the applicants have not received the confirmation e-mail on or before 22 January 2016, their applications will be regarded as not successful.

If typhoon signal no. 8 or black rainstorm signal is in force and still hoisted after 8:00am of 30 January 2016, the talk would be cancelled without further arrangement or notification.

For enquiry, please contact Mr. Franky Cheng at 9365 2523 or email to ashraehk@gmail.com.