Joint Technical Seminar on Case Study Sharing: Active Chilled Beam and AI-Based Waterside & Airside Energy Optimization

Details:

Date: 18 November 2026

Time: 6:30pm (Registration)
6:45pm – 8:00pm

Mode: Hybrid

In-person Venue: HKIE Headquarters, Chun Wo & Hsin Chong Room, 10/F Island Beverley, Causeway Bay, Hong Kong

Online Platform: Zoom Webinar

Seminar Overview:

This seminar explores the implementation of Active Chilled Beam technology at ATAL Tower and the application of AI-driven energy optimization in commercial buildings. Through practical case studies, participants will gain insights into Active Chilled Beam design, smart building integration, BMS and IoT applications, and AI-based airside and waterside optimization, together with practical strategies for improving energy efficiency, building performance and sustainability.

Seminar Agenda & Speaker Profiles:

1. Smart Building Energy Optimization Framework at ATAL Tower

Speaker: Ir Billy Cheung

An overview of ATAL Tower's smart building and energy optimization framework, covering BMS, IoT, analytics and energy management integration to enhance operational efficiency and building performance.

Ir Billy Cheung, Sales & Service Director of Intelligent & Green Building Solutions at ATAL Engineering Group, has over 20 years of experience in smart buildings, digital engineering, building automation and energy management. He holds MHKIE (CAI & ENS), BEAM Pro (NB), EA-ZCRB, REA, CEM®, LEED AP (BD+C), SmartScore AP and WiredScore AP.

2. Active Chilled Beam System: Design and Implementation at ATAL Tower

Speaker: Edmond Yeung

A practical case study of the Active Chilled Beam system at ATAL Tower, covering operating principles, benefits, design considerations, implementation challenges and lessons learned.

Edmond Yeung, Senior Sales Manager at ATAL Engineering Group, has over 20 years of building services engineering experience, specializing in HVAC, energy management and Active Chilled Beam applications. He holds MHKIE (ENY), CEng, MSOE, MIPlantE, MCMES and RCx Pro.

3. AI-Based Waterside & Airside Energy Optimization for Commercial Buildings

Speaker: Anna Ip

An introduction to AI-driven airside and waterside HVAC optimization, with a focus on energy performance, chilled water systems, sustainability benefits and future applications.

Anna Ip, Energy Service Manager at ATAL Engineering Group, has 10 years of experience in sustainable building design, energy management and decarbonisation, specializing in retro-commissioning, energy retrofitting and AI-driven optimization. She holds CEng, BEAM Pro (NB), LEED AP (BD+C) and CEM®.

Language:

English

CPD Certificate:

An electronic copy of CPD attendance certificate (1.5-hour) will be issued to the participants with over 80% attendance within one month after the seminar by email. The organizer reserves the right to reject improperly completed registrations or withdraw participation rights where necessary.

Registration & Enquiry:

The seminar is limited to 30 in-person participants and 500 online participants. The seminar is free of charge and prior registration is required. For registration, please complete the Registration Form in the following link:

https://docs.google.com/forms/d/e/1FAIpQLScDRL4QH_6sV4h68QduhefW_-ZMWOQSdbjeSfP0p9SrAWr97A/viewform?usp=dialog

Application will be accepted on a first-come-first-served basis and priority will be given to members of ASHRAE-HKC, CIBSE-HKR and HKIE-BSD. Successful applicants will be informed by a confirmation email on or before 13 November 2026.

For any enquiries, please contact Ms. Winky CHEUNG at 2268 3144 or email at winky.cheung@arup.com.