

Technical Visit

to

ATAL Tower

Event Description:

A technical visit (with 2.5 hours CPD cert) to ATAL Tower, featuring an interactive exhibition showcasing expertise in smart and sustainable building solutions.

- Energy efficient, digital and sustainable solutions for both new construction and existing building upgrades. This visit may provide valuable insights for your upcoming projects.

- Discover the future of engineering at ATAL Tower, Hong Kong's pioneering Provisional Platinum BEAM Plus-rated industrial revitalization project.

- This 2.5-hour technical visit (with 2.5 hours CPD cert) offers an exclusive look at cutting-edge innovations, including: Digital and Sustainable solution, AI-driven BMS & Energy Management, Active Chilled Beam Air-Con, Renewable Energy & Green solution (walkable PV pavers, oil-free chillers), Digital Twin, IoT, and AI Security, MiMEP & liquid cooling solutions for data centers. With 30% energy savings and a commitment to ESG excellence, ATAL Tower sets the benchmark for next-generation green buildings.

- Analytics enhances data center operation and energy efficiency in recent years. Due to the high technical requirement of data center, sensors and monitoring system has been implemented and massive data can be extracted from those monitoring system to ensure the safe operations of the data center. The presentation provided several applications of data utilization improves data center efficiency through predictive maintenance, optimized energy consumption, workload allocation, etc. by leveraging advanced analytics techniques in large datasets, which enables data centers to operate in smart and sustainable environment.

Above ATAL:

Established in 1977, ATAL Engineering Group (together with its subsidiaries) ("ATAL" or the "Group") is a leading provider of electrical and mechanical ("E&M") engineering solutions and information and communications technology ("ICT") services for smart cities, with headquarters in Hong Kong and operations in Macau, Mainland China, the United States and the United Kingdom. Serving a wide spectrum of customers from public and private sectors, the Group provides multi-disciplinary and comprehensive E&M engineering and technology services in four major segments, including Building Services, Environmental Engineering, Information, Communications and Building Technologies ("ICBT") and Lifts & Escalators. Our parent company, Analogue Holdings Limited, was incorporated in 1995 and listed on the Main Board of the Stock Exchange of Hong Kong in 2019 (Stock Code: 1977).



ATAL Engineering Group
安樂工程集團



Agenda:

A) Entrance of ATAL Tower

– DigiFusion Smart Visitor Solutions

1. iBs Dynamic QR Code (Recessed, seamlessly integrated into turnstile)
2. iBs Face Recognition (Recessed, seamlessly integrated into turnstile)
3. iBs Palm Vein (Touchless biometric authentication, recessed design)

B) Interactive Exhibition Booths (4th Floor)

- Zone 1: Reimagining Industry Through Transformative Technology (MiMEP, MiC 2.0, BIM)
- Zone 2: Leveraging Digital Technology for Quality & Efficiency (Digital Twin, IoT, Video Analytics)
- Zone 3: Smarter & More Livable Infrastructure for Metropolises
- Zone 4: Building Global Presence
- Zone 5: Nurturing Talent for Tomorrow

C) Live Demos (7th Floor)

- Trox Active Chilled Beam (3rd-gen AC)
- Munters Desiccant Dehumidifier
- IMI TA Smart Valve (next-gen PIBCV)
- Lutron Wireless Lighting Control
- iBs 15-in-1 IEQ/IAQ Sensors
- Schneider Electric BMS Sensors

D) Rooftop Tour

1. Platío Walkable PV Paver
2. Trina Solar PV Panel
3. Hitachi Water-Cooled VSD Screw Chiller
4. Multistack Water-Cooled & Air-Cooled Oil-Free Chillers
5. Evapco CTI-Certified Stainless Steel Cooling Tower
6. PEP Filtration System
7. CQM Automatic Tube Cleaning System

E) DigiFusion AI BMS & AI Security Presentation

1. DigiFusion Semantic AI Energy Optimization
2. DigiFusion Big Data Fault Detection & Diagnostics (FDD)
3. DigiFusion Wellness & ESG Analytics
4. DigiFusion Tenant Comfort Analytics App
5. DigiFusion Condition-Based Maintenance
6. DigiFusion AI Chatbot
7. DigiFusion AI Security

F) Chilled Beam Technology Presentation – Enhancing HVAC Efficiency

- Explore how chilled beam technology optimizes energy efficiency and comfort in Hong Kong's climate.
- Learn about passive & active chilled beams, their design principles, and real-world applications.

Who Should Attend?

Building Designers, Consultants, Engineers, Facility Managers, Maintenance & Operation Professionals and technical personnel involved in building technologies, data analytics and sustainability prospective.

Event Detail:

Date & Time: 9th August 2025 (Saturday) / 9:30 am – 12:00 pm

Assembly Time & Location: 9:15 am / Lobby at ATAL Tower, 45-51 Kwok Shui Road, Kwai Chung, New Territories, Hong Kong

E-CPD Certificate: 2.5 hours e-CPD Certificate will be issued within 1 month

Fee: Free of Charge (Priority will be given to AEE HKC and EIHK members)

No. of participants: 30 max.

Language: Cantonese

Registration:

For registration, please click the online link at:

https://docs.google.com/forms/d/e/1FAIpQLSeI5i4z0ip5k3WjNmA7EP8tnkuk6v_7_VUDQvwHFriBztjc_g/viewform?usp=header

Registration deadline: 31 July 2025

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Organized by:

AEE Hong Kong Chapter



Supporting Organizations:

Energy Institute Hong Kong Branch

