

## **ASHRAE Hong Kong Chapter Webinar**

### **“Central - Wan Chai Bypass & the first road tunnel air purification system”**

Date : 27 November (Friday)  
Time : 19:00 – 20:00  
Venue : MS Teams (Meeting ID will be provided for successful applicant)

#### **Seminar Highlights:**

The presentation will focus on the E&M system of Central - Wan Chai Bypass (CWB). The CWB is a 4.5 km long dual three-lane trunk road along the northern shore of the Hong Kong Island, connecting the Rumsey Street Flyover at Central and Island Eastern Corridor at North Point. The CWB includes a 3.7 km long tunnel, diverting existing at-grade traffic to underground to improve the air quality of surrounding areas.

The CWB introduced the first air purification system (APS) for premier use in Hong Kong road tunnel. There are altogether eight APS plants situated in the three tunnel buildings, which can handle up to 5,400,000 m<sup>3</sup> of tunnel exhaust air per hour. After treatment, 80% of the RSP and NO<sub>2</sub> in the tunnel exhaust can be effectively removed, resulting in purification of air. The effective operation of the system would help to provide a clean quality air in the Hong Kong busiest area.

#### **Speaker:**

**Ir Lydia LEE**  
**AECOM Asia Company Limited**

Ir Lydia Lee is the Chief Resident Engineer administrating and supervising the construction of Central - Wan Chai Bypass project under the Highways Department of the HKSAR Government.

With more than 25 years of professional experience in management and technical consultancy, Ir Lee has participated in a number of large-scale construction projects in Hong Kong, such as flood prevention schemes (Tai Hang Tung Storage Scheme, Kai Tak Transfer Scheme and Lai Chi Kok Transfer Scheme) in Kowloon District.

Ir Lee is a Chartered Engineer in the United Kingdom, and member of both the Institution of Civil Engineers and the Hong Kong Institution of Engineers.

**Ir Eric CHEUNG**  
**AECOM Asia Company Limited**

Ir Eric Cheung is a Senior Resident Engineer of the Central - Wan Chai Bypass project under the Highways Department of the HKSAR Government.

Ir Cheung has been highly involved in the E&M works of the tunnel and tunnel buildings under the project. Ir Cheung has participated in a number of infrastructure construction projects in Hong Kong, such as Tai Po Water Treatment Works, upgrading of Siu Ho Wan Sewage Treatment Works and the Wan Chai Development Phase II.

Ir Cheung is a Chartered Engineer in the United Kingdom, and member of both the Institution of Mechanical Engineers and the Hong Kong Institution of Engineers.

Language: Cantonese (supplement with English terms)

Fee: Free of charge

Remarks: 1 hour CPD certificate will be provided.



Scan here for registration

#### **Supporting Organisation**





## **Registration & Enquiry:**

Number of participants is limited and prior registration is required. For registration, please complete Registration Form in the following link:

<https://forms.gle/C846JrFPdejtVSaC9>

The deadline of application is on 23 Nov 2020. Successful participants would be notified by email on or before 26 November 2020. If the applicants have not received the confirmation email on or before 25 Nov 2020, their applications will be regarded as not successful.

If typhoon signal no. 8 or black rainstorm signal is in force and still hoisted after 1300 of 27 November 2020, the webinar would be cancelled without further arrangement or notification.

For enquiry, please contact our Sustainability Committee Chair, Mr. James Lee at 9529 2023 or email to [james@saiver-welaire.com.hk](mailto:james@saiver-welaire.com.hk).

**Supporting Organisation**

