

# HKGBC Webinar Series High Performance Buildings with Better IAQ & Energy Efficiency

**18 August 2020 (Tuesday)**

**5:00 pm - 6:00 pm**

**The Webinar will be conducted via Zoom**

Retrofit on existing buildings for better energy performance is highly desirable due to their large share of building energy consumption. Unfortunately, there is some stigma around energy saving measures, as many people believe they will make their lives less comfortable.

This study led by The Hong Kong University of Science and Technology's Institute for the Environment examined the energy consumption and indoor environment in TAL Building, a commercial building in Tsim Sha Tsui, with a retrofitted HVAC system. The retrofitting measures included a sensor-based building management system, dehumidification of outdoor air and a two-stage particle filtration system. By combining all measures, the retrofitted HVAC system was able to reduce energy use by 50% while maintaining generally acceptable indoor thermal comfort. Most of the time, the indoor particle levels complied with the World Health Organization's guidelines. The upgraded filtration system with a pleated filter reduced outdoor PM ingress by 30% to 60% more than the aluminium filter used before the retrofit.

## Speaker

Dr CHE Wen Wei  
Research Assistant Professor,  
Division of Environment and Sustainability,  
HK University of Science and Technology

## Commentators

Dr Harry LEE, SBS, JP, OBE  
Chairman, TAL Apparel

Mr Danny IP  
Director, KINS Engineering Limited

Mr Leo LEE  
Director, KINS Engineering Limited

## Programme

5:00 pm – 5:50 pm

**High Performance Buildings with Better IAQ & Energy Efficiency**

5:50 pm – 6:00 pm

Q&A Session

## Registration

Deadline: 14 August 2020 (Friday) or Full Capacity

Website: <https://www.hkgbc.org.hk/eng/news-events/events-trainings/events-detail?eventId=284>

## Fee

Free of Charge

## CPD Hour

1 CPD hour will be auto uploaded to attendees' BEAM Pro/BEAM Affiliate Individual Accounts.

## Language

Cantonese, supplemented with English presentation materials

## Remark

This CPD event will be conducted in the form of webinar via Zoom

## Enquiries

Mr Elliott TAM (39948890)

Check CPD Policies by scanning the QR code:



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