



## **Next Generation Refrigerants Development Class (Webinar) – 13<sup>th</sup> class**

### **Speaker's Biography**

Mr. LO Wai-keung, Chief Instructor (Air-conditioning and Refrigeration) from VTC Pro-Act Training and Development Centre (Electrical)

### **Program Highlight**

For protecting our ozone layer & climate, most of common refrigerants with high ozone depletion potential and global warming potential have been or are being phased out. Government, Developers, Consultants, and Contractors are loving to see new generation refrigerants coming to the market asap.

In this seminar, we will discuss various new refrigerants that may be used in industrial, commercial, and residential building. Participants can know more about the history & evolution, and the comparison of existing options with some new options including efficiency, flammability, changes to equipment, components and working procedures.

Recent incidents and accidents along with application trends will provide the back drop to discuss the refrigerant handling & risk management. Relative standards, regulations and legislations will be also discussed.

### **Course Outline**

The HVAC industry has started transitioning to the next generation refrigerants along with the enforcement of the latest global regulations to reduce the hydrofluorocarbons (HFCs) as part of the global effort to lower the global warming potential (GWP) or protect the climate.

Many common refrigerants with high GWP such as R404A, R410A and R134a started to see their successors, of which some are existing options but with renewed interest (e.g. hydrocarbons) while mostly are olefin-based (HFO) new refrigerants or blends. Obviously the lower the GWP the more sustainable is the next-gen refrigerants but many become flammable. It is challenging to both equipment R&D for safe use and applications safety. This presentation will review the refrigerant selection in considerations of environmental impact and safety.

### **Co-organisers**



機電工程署  
**EMSD**





# The Hong Kong Air Conditioning and Refrigeration Association Limited 香港空調及冷凍商會有限公司

A Founding Association of HKFEMC

## Details

**Date & Time:** 6 December 2022 (Tuesday) / 9:00am -1:00pm

**Venue:** In the form of Webinar by using own computer/ mobile device with Internet access (The specific link to access the Webinar, probably by ZOOM will be sent to the confirmed applicants accordingly.)

**Language:** Cantonese

**Registration Fee:** \$400 (for ACRA members, Co-organisers), \$500 (for non-members)

## Certificate

A Certificate will be issued to the candidates who have successfully completed the course.

**Re: Next Generation Refrigerants Development Class – 13th class**

We would like to register the following applicant(s) to attend the captioned training course.

**Remarks: Please state the full name which will be shown on the certificate.**

No.	Name (BLOCK LETTER)	Position	Email address	Contact mobile
1	Mr. / Ms. (Eng) (Chi)			
2	Mr. / Ms. (Eng) (Chi)			
3	Mr. / Ms. (Eng) (Chi)			

Please use separate sheet for additional applicants.

Company Name : \_\_\_\_\_

Company Address : \_\_\_\_\_

Contact Person: \_\_\_\_\_ Tel : \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Registration: The application form and crossed cheque payable to “The Hong Kong Air Conditioning and Refrigeration Association Limited”, should be sent to “Room 1801, Tung Wai Commercial Building, 109-111 Gloucester Road, Wanchai, Hong Kong” before **25 November 2022**.

Applicants may also e-mail the above information to [info@acra.org.hk](mailto:info@acra.org.hk) for seat reservation.