



## Next Generation Refrigerants Development Class – 3<sup>rd</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





**Details**

- Date & Time:** 15 February 2019 (Friday) / 9:00am-1:00pm  
**Venue:** Rm 436, Pro-Act Training and Development Centre (Electrical),  
VTC Pokfulam Complex  
**Language:** Cantonese  
**Registration Fee:** \$500 (for ACRA members, Co-organisers), \$600 (for non-members)

**Certificate**

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

**Re: Next Generation Refrigerants Development Class – 3rd class**

We would like to register the following applicant(s) to attend the captioned training course.  
(Maximum Capacity: 30 students)

No.	Name (BLOCK LETTER)	Position	Email address
1			
2			
3			
4			
5			

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 **31 Jan, 2019**.

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