

# Decarbonization With Energy Conservation



## SPEAKERS:



**Doug Cochrane**  
ASHRAE Distinguished Lecturer



**IR Pua Ching Tian**  
Founder of KVA Consult

"The 12th Malaysia Plan (12MP) 2021-2025 guided by the pillars of sustainability (economy, social and environment) aims to achieve net-zero greenhouse gas (GHG) emissions by as early as 2050" A typical office building HVAC system accounts for approximately 40% of total building energy consumption, therefore reducing HVAC energy use is one of the most important and urgent steps we can take to decarbonize our buildings. ASHRAE Distinguished Lecturer Doug Cochrane will be speaking on Building Decarbonization – an Introduction and then on ASHRAE Building EQ, which is the pathway for compliance to GBI (Green Building Initiative) Green Globes building certification. For ASHRAE Building EQ, he will give you an overview of the portal, recent changes made including the carbon score, and what are the plans are moving forward. If your focus is on hospitals, then you are in luck because we have Ir Pua who is here to help you on all the intricacies related to designing an energy efficient hospital. Don't miss this full day seminar, packed with useful knowledge and up to date information on energy efficient building design and requirements.

ASHRAE Members : RM 200.00

IEM / PAM / ACEM / MGBC Member : RM 250.00

Public : RM 300.00

8.30 AM - 5 PM

Venue : ASHRAE Malaysia Chapter

Unit 518 Block A Kelana Business Centre, 97,  
Jalan SS 7/2, SS7, 47301 Petaling Jaya, Selangor

[Registration Link](#)

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2023

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**Doug Cochrane**  
ASHRAE Distinguished Lecturer

Doug Cochrane, P.Eng., Member ASHRAE, LEED® AP, ASHRAE Distinguished Lecturer, is currently an independent consultant after having spent nearly 30 years in equipment sales for Carrier – a major manufacturer of HVAC equipment. Mr. Cochrane is a graduate of Ryerson University with a degree in Mechanical Engineering and is a licensed professional engineer in Ontario, Canada. He is also a LEED® AP and has a certificate in sales development from Humber College. Mr. Cochrane completed the Carrier basic system design course and has taken advanced training in rooftops and splits, ahu's, chillers, controls, and system selling. He qualified as a train the trainer with Carrier. Mr. Cochrane started in inside sales and has held additional roles as software coordinator, chiller and applied systems specialist, territory manager, branch sales manager, regional commercial sales manager, and engineering sales manager.



**IR Pua Ching Tian**  
Founder of KVA Consult

Ir Pua Ching Tian is an experienced and qualified Professional Engineer with over 20 years in hospital/health institutional related Mechanical Engineering Consultancy. He has the full spectrum of building related engineering services primarily in air conditioning and mechanical ventilation services with energy efficiency approach in the larger scale primary/secondary/tertiary hospital jobs. He registered with the Board of Engineers (BEM) and a member of Institution of Engineers, Malaysia (IEM). He is the founder and principal of KVA Konsult.

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Time	Agenda
8:30am	Registration (Breakfast served)
9:00am	Welcome Address - by ASHRAE Malaysia Chapter President
9:10am	Topic 1 - Introduction to Building Decarbonization - by DL Doug Cochrane
10:40am	Q&A For Topic 1
10:55am	Topic 2 - Building EQ - by DL Doug Cochrane
12:25am	Q&A For Topic 2
12:40pm	Lunch Break
2:30pm	Topic 3 - Energy Conservation on large scale of Hospital/Healthcare Application Part 1 - Ir Pua Ching Tian
3:15pm	Q&A For Topic 3
3:30pm	Tea Break
4:00pm	Topic 4 - Energy Conservation on large scale of Hospital/Healthcare Application Part 2 - Ir Pua Ching Tian
4:45pm	Q&A For Topic 4
5:00pm	Closing Ceremony End Of Seminar

**Venue : ASHRAE**

**Malaysia Chapter**

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Next to LRT Station - Glenmarie