



# GREENRE TECHNICAL SEMINAR 03-2025

## EFFICIENT CENTRAL AIR- CONDITIONING DESIGN AND MEASUREMENT & VERIFICATION SYSTEMS (ONLINE)



**18 JUNE  
19 to 2025**



**9.00 AM  
to 5.00 PM**



**2 JULY  
2025 (Online)**



### **Course Fee (learning sessions + exam)**

RM 849.00 (GreenREAP / REHDA)

RM 949.00 (Non-Member)

### **Course Fee (learning sessions)**

RM 799.00 (GreenREAP / REHDA)

RM 899 (Non-Member)

**CPD points – GreenRE (8), ST and MBOT (TBC)**

## **Register Now**

For further information,



[training@greenre.org](mailto:training@greenre.org)



03-7803 2978



[www.greenre.org](http://www.greenre.org)



**SCAN TO REGISTER**

- Multiple Choice Question (MCQ) examination will be held on July 2, 2025 (optional)
- Participants who pass the examination will obtain the GreenRE Certified M&V Practitioner certification.
- GreenRE has the right to alter the schedule of the course in the best interest and is not responsible for cancellation due to unforeseen circumstances

## COURSE DESCRIPTION

The major criteria in GreenRE Tools are Energy Efficiency (Part1) contributes about 50% of the total scoring points. Credits are allocated for the various energy efficiency designs, practices, and features used.

GreenRE has introduced pre-requisites to air conditioning system design including installation requirement for the provision of a permanent major system for chiller plants.

## COURSE OBJECTIVE

To provide the fundamentals and knowledge of air conditioning, central chilled water plants, chilled water airside system, chiller plant performance measurement & verification (M&V) and their optimization.

## SPEAKERS' PROFILE

### ER. STEVAN KANG

A Managing Director for Measurement & Verification Pte. Ltd. A graduate of the National University of Singapore with an Honors Degree in Mechanical Engineering Er. Steven is also qualified as Professional Engineer (P. Eng), Uptime Institute Accredited Tier Designer (ATD), DCPRO Energy Professional (EP), NEA Registered Energy Efficiency Opportunity Assessor (EEOA), NEA Registered Qualified Energy Services Specialist (QuESS), BCA Registered Energy Auditor (EA), Green Mark Advanced Accredited Professional (GMAAP) and Singapore Certified Energy Manager (SCEM). Besides being a trainer for GreenRE, he also conducts training for BCA of Singapore, Institute of Engineers Singapore and Sustainable Associate of Singapore

### CHLOE NG

A Business Development Manager for Measurement & Verification Pte Ltd. A Master graduate of Nanyang Technological University in Mechanical Engineering with Excellent award. She is also qualified as DCPRO Energy Professional (EP), DCPRO Power Professional (PP), BCA Registered Energy Auditor (EA), Green Mark Accredited Professional (Facility Management) (GMAP (FM)) and Singapore Certified Energy Manager (SCEM).

## COURSE SCHEDULE

### DAY 1

09.00 AM - 10.00 AM : Chilled Water Airside Systems  
10.00 AM - 11.00 AM : Energy Efficient Water & Air Distribution Systems  
11.00 AM - 12.00 PM : Airside Optimization  
12.00 PM - 01.00 PM : Lunch Break  
01.00 PM - 05.00 PM : Central Chilled Water Plants

### DAY 2

09.00 AM - 11.00 AM : Chiller Plant Performance Optimization  
11.00 AM - 12.00 PM : Measurement & Verification of Chiller Plant Performance  
12.00 PM - 01.00 PM : Lunch Break  
01.00 PM - 02.30 PM : Recommended Good Practices for Instruments  
02.30 PM - 03.30 PM : Malaysian & Singapore Case Studies  
03.30 PM - 04.30 PM : Executive Summary