

Notes:

Multiple Choice Question (MCQ) examination will be held on March 27, 2024 (online). 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

# GREENRE TECHNICAL SEMINAR 02-2024

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



**MARCH 19-20, 2024**

**10.00 am - 05.30 pm**

**Online via Zoom**

**(1 HOUR MCQ EXAMINATION ON MARCH 27, 2024 ONLINE)**

Course Access Only

**RM799** (GreenREAP/REHDA)

**RM1,099** (Non-Member)

12 hours access to lectures - Certificate of Attendance

Course Access + M&V Examination

**RM899** (GreenREAP/REHDA)

**RM1,199** (Non-Member)

12 hours access to lectures + Certificate of Attendance +

Certificate of GreenRE Certified M&V Practitioner

**CPD: GreenRE (5) ST, BOVAEP & 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

# 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.

## 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. Steven 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

09.30 am - 10.00 am :	Registration & Breakfast
10.00 am - 01.00 pm :	Central Chilled Water Plants
01.00 pm - 02.00 pm :	Lunch Time
02.00 pm - 03.00 pm :	Cont. Central Chilled Water Plants
03.00 pm - 04.00 pm :	Chilled Water Airside Systems
04.00 pm - 05.00 pm :	Energy Efficient Water & Air Distributions Systems
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09.30 am - 10.00 am :	Registration & Breakfast
10.00 am - 11.00 am :	Chiller Plant Performance Optimization
11.00 am - 12.00 pm :	Airside Optimization
12.00 pm - 12.30 pm :	M&V of Chiller Plant Performance (AHRI 550)
12.30 pm - 01.00 pm :	M&V Performance (SS591)
01.00 pm - 02.00 pm :	Lunch Break
02.00 pm - 03.30 pm :	Recommended Good Practices for Instruments & Case Study
03.30 pm - 04.00 pm :	Malaysia Case Studies
04.00 pm - 04.30 pm :	Singapore Case Studies
04.30 pm - 05.00 pm :	Executive Summary