



Green Data Centre Design

Course Summary

Energy expenditures account for the vast majority of the operating costs during a data centre lifetime, and this fact is becoming critical in order to ensure business profitability.

This 2-day green data centre design course will equip participants with in-depth knowledge of SS564 and Green Mark for New and Existing Data Centre.

The 2-day course will also include design best practices and case studies to empower participants with knowledge and ideas to green their data centres.

Course Objective

At the end of the course, the participants will be able to:

- Understand Green data centre standards such as Green Mark for new and existing data centres
- Apply the best practices in chiller plant, computer room air-conditioning, lighting and uninterruptible power system design
- Optimise, monitor and maintain the data centres at peak energy efficiency

14 SCEM PDU points awarded

12 PE PDU points awarded

21 - 22 June 2018

9am - 5pm

Singapore Sustainability Academy

180 Raffles Place Level 6 Sky Park, #06-10

City Square Mall Singapore 208539

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Program Outline

Session 1: Overview of Data Centre Standards and Regulations

- Singapore standard SS564 Green Data Centre
- Green mark for new data centre
- Green mark for existing data centre
- Policies and trend for Green Data Centre

Session 2: Energy Efficiency Air Conditioning Design

- Chilled water system design
- Energy efficient chillers, chilled water pumps, condenser water pumps and cooling towers
- Airside system design
- Energy efficient Computer Room Air-Conditioners and Air Handling Units

Session 3: Energy Efficient Electrical System Design

- Uninterruptible Power Supply
- Generators
- Transformers
- Power distribution units
- Lightings

Session 4: Energy Efficient Operation and Optimization of Data Centre

- Air conditioning system
- Data centre

Steven Kang



Speaker's Profile

Mr Steven Kang has been involved in the design of hyper-efficient HVAC system for Platinum rated Green Buildings and has been invited to sit in the advisory committee of Platinum rated green buildings.

He spoke at various forums on HVAC designs, energy optimisation and green buildings. He has been appointed to assess the design of new data centres as well as audit and improve the energy efficiency of existing data centres.

Rates

Normal	Group
SEAS Member: \$650.00	3 participants and above \$700.00
SCEM Special Rate \$720.00	Non-Member: \$780.00

Fees are inclusive of GST

SEAS may cancel or reschedule a course at its discretion and will use reasonable efforts to notify delegates at least 5 working days in advance. In these circumstances, delegates will be offered an alternative date, an alternative location or a full refund of course fees paid. SEAS is not responsible for airline or accommodation costs incurred by delegate in the event a course is cancelled or re-scheduled.

Substitutions (name changes) are accepted at any time prior to the event without penalty, subject to the replacement delegate satisfying any necessary course pre-requisites.

Call us at +65 6338 8578 to enquire

Email: training@seas.org.sg

Registration Form

Yes! I would like to register for this programme

I am unable to attend but please put me on your mailing list

Participant's Details

1 Name (Dr/Mr/Ms/Mrs) Designation
Hp Email
NRIC

Participant's Details

2 Name (Dr/Mr/Ms/Mrs) Designation
Hp Email
NRIC

Billing Information

Company Name Contact Name
Company Address Email
Tel