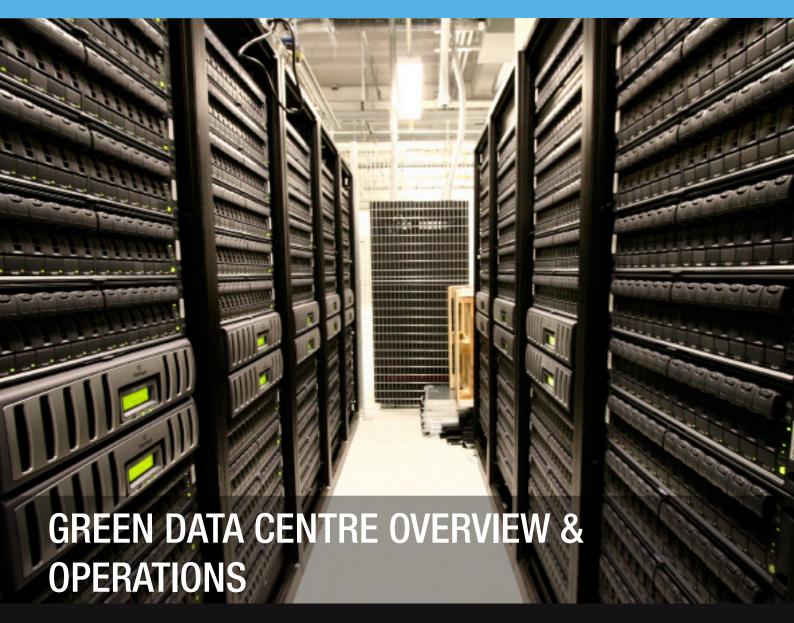
27 APRIL 2017 | 9:00AM TO 5:00PM | WWW.SEAS.ORG.SG



COURSE OVERVIEW

Energy expenditures account for the vast majority of the operating costs during a data centre life-time, and this fact is becoming critical in order to ensure business profitability. During this one-day course, we will discuss how to manage a data centre efficiently, focusing on both design and operational issues, and showing the state-of-the-art practices to reduce costs in the sector.

COURSE OBJECTIVES

The participants of the course will acquire the following knowledge:

- Strategies and approaches to efficient DC design
- Manage daily Data Centre operations efficiently
- Manage the facilities in a Data Centre efficiently
- Deepen energy and cost management knowledge
- Evaluate procedures to reduce operational expenditures in Data Centre Environments
- Analyse the lay-out of a Data Centre and apply strategies to improve its overall condition

PDUS AWARDED FOR SCEMS and PROFESSIONAL ENGINEERS

APPLICABLE FOR
PRODUCTIVITY AND
INNOVATION CREDIT (PIC)
VISIT IRAS.GOV.SG FOR
MORE INFORMATION.



27 APRIL 2017

9:00AM - 5:00PM

SEAS Training Centre Venue To be Confirmed



GREEN DATA CENTRE OVERVIEW & OPERATIONS

PROGRAMME OUTLINE

Session 1: Guidelines for Energy Efficiency Data Centres

- Engineering, Deploying, Operating & Organising for Efficiency
- Operational Efficiency & Reliability
- Guidelines form standards: ANSI/TIA-942, SS 564, ISO 50001, ASHRAE
- BCA/IDA Green mark and LEED
- Efficiency v Reliability (a look into uptime TIER standard)
- Design strategies and solutions for new and existing Data Centres

Session 2: Energy Efficiency Best Practices

- Trends in global energy and Data Centre power consumption
- Energy efficiency drivers for different Data Centre types
- Typical "worst practices in the Data Centre"
- Metrics and regulations that apply to and impact energy efficiency
- Major savings related to energy efficiency in power and IT equipment

DECICEDATION FORM TO VALLE

Session 3: Managing Data Centre Operations

- Floor management procedures and duties such as rack space allocations, management of installers, from an energy efficiency point of view
- · Load distribution and management
- Computational Fluid Dynamics (CFD) analysis, capacity and configuration management solutions
- Equipment inventory and individual energy monitoring
- Reducing energy consumption while ensuring reliability: strategies and approaches

Session 4: Energy and Cost Management

- Corporate drivers for energy management
- Corporate and social responsibility
- Brand management
- Basic metrics for data centre efficiency.
 Capability and Limitations
- Key roles and responsibilities in the energy efficient initiative
- Space, cooling and power capacity constraints in the data centre
- Basic energy efficiency management techniques to the areas of IT, cooling, electrical systems
- Reporting data centre costs

ABOUT THE TRAINER



Mr Carlos Garcia is a Senior Engineering Consultant, a Singapore-based consulting firm, currently focusing its activities on energy efficient Data Centre design in Europe, Southeast Asia and South America. Mr Garcia holds a M.Sc. in Engineering from UPF University (Barcelona) and is a Data Centre Specialist in Design accredited by Datacentre Dynamics.

RATES

EARLY BIRD (before 26 February)	NORMAL FEE	GROUP FEE
S\$350 (SEAS Member) S\$450 (Non Member)	S\$450 (SEAS Member) S\$550 (Non Member)	S\$400 (4+ delegates from 1 orginization)

^{*} Fees inclusive of GST

- * SEAS reserve the right to make changes to the trainer, programme, venue, cancel or reschedule the programme if necessary or warranted by circumstances beyond our control
- * Payment to be made by the early bird closing date to enjoy early bird rate
- Payment to SEAS & Address: Please send a crossed cheque to:
 Sustainable Energy Association of Singapore, 1 Cleantech Loop, #02-16 Cleantech One, Singapore 637141

CALL US AT 6338 8578 TO ENQUIRE

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PARTICIPANT'S DETAILS Number of Delegates			Fees Payable						
1	Name (Dr/Mr/Mrs/Ms)			NRIC No		Designation			
	HP No	Email				PEB SCEM			
2	Name (Dr/Mr/Mrs/Ms)	· (Dr/Mr/Mrs/Ms)		NRIC No		Designation			
	HP No Email				PEB SCEM				
ORGANIZATION'S DETAILS									
Company Name									
Company Address									
Contact Name Tel									
Email Fax					Fax				