



## Energy Measurement & Audit

Singapore Certified Energy Manager Professional Course: Core

### Course Summary

Accurate energy measurement and analysis is essential for any energy improvement program. Accurate and continuous measurement of sub-systems energy demand and efficiency has been proven to lead to sustainable and highly efficient buildings.

Unfortunately, it is a common practice to only measure power demand (kW) or energy consumption (kWh) of whole buildings. Therefore, there is a severe lack of skills and knowledge in accurate measurement and analysis of energy demand and efficiency of subsystems such as chiller plant kW/RT, fans W/CMH or lighting W/m<sup>2</sup>.

Without equipping energy engineers with the skills to accurately measure and analyze energy demand, the industry will be mired with disagreements about energy efficiency claims.

7 - 9 February 2018

9am - 6pm

Singapore Sustainability Academy

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

City Square Mall Singapore 208539

# Energy Measurement & Audit

## Singapore Certified Energy Manager Professional Course: Core

### Program Outline

1. The need for energy Measurement and Audit(M&A)
2. Introduction to different levels of energy M&A
3. Overview of measurement instruments
4. M&A of chiller plant
5. M&A of AHUs, FCUs and Mechanical Ventilation System
6. M&A of lighting system
7. Brief discussion on M&A of industrial systems
8. Practical session and assignments
9. Data plotting and analysis assignments
10. Briefing on safety

### Mr. Leow Kok Chong



### Speaker's Profile

Mr Leow Kok Chong has been in the building services industry for the last 16 years, with wide experience in implementation of M&E services and turnkey projects. In the recent 8 years, the main focuses are in energy management and control systems optimization, which are used for strategic decision making in energy conservations.

### Rates

Before Funding: \$1070.00

After Funding: \$684.80

Fees are inclusive of GST

E2I funding is available to all Singaporean and PRs.

Interested participants are to register for full qualification of 4 cores & 2 electives to be eligible for funding

Optional Examination fees at \$85.60

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](mailto: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	