



DESIGN & PROJECT MANAGEMENT UTILITY SCALE PHOTOVOLTAIC (PV) SYSTEM

COURSE OVERVIEW

This is an advanced level course for engineers having knowledge and experience in designing grid connected PV systems. This course will include the concepts and skills required to design Utility Scale PV Power Plants: how to plan and implement the project; how to plan the system design and performance according to the various contractual and financing models currently used by developers and the finance industry; how to determine whether a project should proceed based on prescribed performance and financial criteria.

COURSE OBJECTIVES

On successful completion of this course, the candidate will be able to:

- Design a utility scale PV power plant
- Determine the project management outline for the system's installation
- Understand the basic contractual requirements for projects of this scale
- Understand the construction requirements of the system
- Commission the system
- Understand the various, relevant financial models
- Understand the relevant software tools that are available
- Determine the power plant's design performance such that this data is used to support the project's contractual and financing agreement, eg: Power Purchase Agreement; PPP, etc

28 SCEM PDUs AWARDED

PDUs TO BE AWARDED TO PROFESSIONAL ENGINEERS

APPLICABLE FOR PRODUCTIVITY AND INNOVATION CREDIT (PIC)

Organised by:



Supported by:



11 - 14 OCTOBER 2016

9:00AM - 5:00PM

SEAS Training Centre
9 Penang Road, #08-02 Park Mall, Singapore 238459

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DESIGN & PROJECT MANAGEMENT UTILITY SCALE PHOTOVOLTAIC (PV) SYSTEM

PROGRAMME OUTLINE

Day 1:

- Overview of Utility Scale Grid Connect PV Systems
- Planning PV Projects
- Contractual Requirements
- Solar Resource Assessment
- System Performance

Day 2:

- Detailed Plant Design

Day 3:

- Construction
- Commissioning of Power Plant
- Operation and Maintenance

Day 4:

- Power Plant financing and contractual Agreements
- Economics and Financial Models

ABOUT THE TRAINER



Mr. Christopher Martell is a Principal Engineer with Global Sustainable Energy Solutions Pty. Ltd (GSES). He oversees the inspection program for Australia's Clean Energy Regulator (CER) as well as independent inspections for private industry. Chris also provides training to industry professional which satisfies the requirements of the Clean Energy Council (CEC) accreditation programs, lead for creating the design specification for feasibility studies and tenders and business development for GSES consultancy projects.

Chris graduated from University of New South Wales, holding a Masters of Science in P hotovoltaics Engineering. Prior to joining GSES, Chris has been active in the solar industry for more than 10 years.

RATES

EARLY BIRD (before 30 June)	NORMAL FEE	GROUP FEE
SEAS Member: S\$1,710 (U.P: \$1,900) Non Member: S\$2,060 (U.P: \$2,280)	SEAS Member: S\$2,060 (U.P: \$2,280) Non Member: S\$2,465 (U.P: \$2,736)	S\$1,890.00 (4+ delegates from 1 organization)

* EENP member is entitled to SEAS member rate

* All fees stated are after WDA funding

* Fees inclusive of GST

* SEAS reserve the right to make changes to the trainer, programme, venue, cancel or reschedule programme if necessary or warranted by circumstances beyond our control

* Enjoy group discount for 4 or more delegates registered at the same time from the same organisation and same billing source

* Only one type of discount scheme is applicable at any one time

* Payment to SEAS & Address: Please send a crossed cheque to:

Sustainable Energy Association of Singapore, 9 Penang Road, #08-02 Park Mall, Singapore 238459

CALL US AT 6337 9886 TO ENQUIRE

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		Number of Delegates	Fees Payable
1	Name (Dr/Mr/Mrs/Ms) HP No	Email	NRIC No Designation PEB <input type="text"/> SCEN <input type="text"/>
2	Name (Dr/Mr/Mrs/Ms) HP No	Email	NRIC No Designation PEB <input type="text"/> SCEN <input type="text"/>

ORGANIZATION'S DETAILS

Company Name	
Company Address	
Contact Name	Tel
Email	Fax