



Solar Power Finance & Investment

NEW

Date : 27 May 2014

Time : 9.00 am to 5.00 pm

Venue : 9 Penang Road
#08-02 Park Mall
Singapore 238459

Power plants generating energy from renewable resources, and in particular solar power, are an increasingly important investment opportunity in Asia. Even in difficult markets, solar projects have benefited from increasing demand for power, industry restructuring considerations, component pricing trends, utility commitment to adding renewable to the resource mix, and the regulatory environment.

This one day course will discuss approaches to developing solar projects, to ensure these projects are soundly structured and 'bankable'. Renewables financing will be compared to more conventional thermal based power deals. Instructors have extensive experience financing thermal and renewable power projects in Asia and globally, and will share the practitioners' perspectives with participants.

Objectives

Participants of the course will:

- Structuring solar energy projects
- Trends in capex and impact on project development
- Risk assessment and allocation
- Incentives: Feed-in tariffs, subsidies, depreciation schedules, etc
- Cashflow analysis and structuring alternatives
- Sources of debt and equity financing
- Emerging financing vehicles

Target Audience

- Financiers involved in project finance, investment analysis and syndicated lending
- Private equity investors
- Project sponsors
- Project managers
- Government officials involved in sponsoring/assessing project finance deals
- Contractors
- Development Financial Institutions

Programme Outline

Solar power – an introduction

- PV markets – global trends, and development and prospects in Asia
- PV market segments (off-grid, residential, commercial & industrial, utility)
- Which PV technologies are on the market and how the technology is developing
- Typical PV systems and an overview to their components
- Trends in cost of PV and impact on investment trends
- Developing and managing solar projects
- Overview of project cycle from initial concept to operation and maintenance
- Developing PV project plans: Planning and commissioning, approvals, logistics, construction, grid-connection
- Project implementation, coordination and controlling
- Managing key project risks
- Key contracts - allocation and mitigation of risks (Contracts, Insurance)
- Engineering, Procurement and Construction (EPC) and Operations and Maintenance (O&M) arrangements

Economics and financing of PV projects

- Fundamental demand and supply analysis
- Feed-in-tariff and offtake arrangements
- CAPEX and OPEX considerations
- Financing requirements and project financing
- Financing sources
- Security arrangements and other considerations
- What happens when a project 'goes bad'?
- Case studies

Example of cash flow/financing modeling

- Modelling of a MW PV project
- Net Present Value
- Project Internal rate of return (IRR)
- Leverage and sensitivity analysis

Organised by:



Supported by:



Sustainable Energy Association of Singapore (SEAS)

9 Penang Road #08-02 Park Mall Singapore 238459 Tel: (65) 6337 9886 Fax: (65) 6337 6658 www.seas.org.sg

About SEAS

Sustainable Energy Association of Singapore (SEAS) an industry association launched in 2006, today has 160 members in the area of Energy Efficiency, Solar, Wind, Biomass, Carbon and Clean Energy Financing. SEAS aims to be the voice of sustainable energy industry and promote the business of its member companies.

SEAS aims to be the one stop, information and training provider, in the area of sustainable energy. Our trainers and lectures are not only highly qualified academic professionals but also industry specialists and professionals that are successful and sought after practitioners in the area of Sustainable Energy. Majority of Key Qualified Personnel (KQP) and Accredited Energy Services Companies are members of SEAS. They have, as a group successfully executed a multitude of energy projects with varying complexities both locally and regionally.

About the Trainer



Mr Siddique has over 28 years of global experience in infrastructure and financial services. Mr. Siddique has served as the Joint Managing Director of Srei Infrastructure Finance, a leading infrastructure finance company in India. Previously, he worked with the International Finance Corporation (IFC) and Swiss Bank Corporation (now UBS) in New York. Mr. Siddique is a Member of Board and Chairman of the Credit Committee of the USD 800m Emerging Africa Infrastructure Fund, and also serves as Special Advisor to the Board of WaterTech, a Singapore water company. He was formerly CEO of Hyflux Water Trust, and Group EVP of Hyflux. Mr Siddique holds an MBA from Cornell University, and B.Sc. in Computer Science from University of Maryland.



Mr Yeung is currently the PE of an advisory firm based in Singapore. Formerly Senior Vice President at Srei Infrastructure Finance and Vice President at Hyflux Water Trust, Mr Yeung also worked at IFC, based in Hong Kong, investing in power, water, ports, roads and renewable energy in emerging markets in Asia. He was investment banker at Credit Suisse First Boston and Bankers Trust in Australia. Mr Yeung holds a B.Ec. (Hons) from University of Sydney, LLB from University of New South Wales, Master of Science in Foreign Service from Georgetown University, and CFA.

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Registration Form

- Yes! I would like to register for this programme.
 I am unable to attend but please put me on your mailing list.

	Early Bird (Registration with payment made on/before 25 April 2014)	Normal Fee (Closing date: 12 May 2014)	Group Fee (Closing date: 12 May 2014)	No. of Delegates	Fee Payable
<input type="checkbox"/> SEAS Member	S\$500	S\$650	-		
<input type="checkbox"/> Non Member	S\$650	S\$750	S\$500		

- * Fees are inclusive of GST.
- * Fees include refreshments, lunch and programme collateral.
- * Enjoy group discount for 4 or more delegates registered at the same time from the same organization and same billing source.
- * Only one type of discount scheme is applicable at any one time.
- * Please print and complete additional sheets where necessary.
- * Important: Walk-in delegates will only be admitted on the basis of space availability and with full payment made on site.

Participant's Details

- 1 Name (*Dr/Mr/Mrs/Ms): NRIC:.....
Designation:..... HP No:..... Email:.....
- 2 Name (*Dr/Mr/Mrs/Ms): NRIC:.....
Designation:..... HP No:..... Email:.....
- 3 Name (*Dr/Mr/Mrs/Ms): NRIC:.....
Designation:..... HP No:..... Email:.....

*Please delete accordingly

Organization's Details

- Company Name:
- Company Address:
- Postal:.....
- Contact Person's Name : (*Dr/Mr/Mrs/Ms)
- Tel: Fax:
- Email:

Administrative Information

Registration and Payment

Please complete the enclosed registration form and forward it together with your **cheque at least 7 days** before the commencement of the programme to

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

Crossed cheque should be made payable to
"Sustainable Energy
Association of Singapore"
Application will close on **12 May 2014**.

Cancellation

SEAS reserves the right to change programme venue, cancel or reschedule the programme if necessary or warranted by circumstances beyond our control.

There will be no refund of fees for withdrawal. However, if the registration participant is unable to attend, a representative may be allowed to attend at no extra cost. Please inform us of the changes by fax or via email 3 days before the commencement of the programme.

Confirmation of Registration

Confirmation of registration will be given 5 working days before the commencement date via email. Registration is confirmed only upon receipt of payment.

If you do not hear from us
Please contact Ms Ivy Nah at:
Tel: 63379886
Email: training@seas.org.sg
Fax your registration form to 6337 6658