



Seminar on Financing Photovoltaics, Biogas and Landfill Gas Projects in Putrajaya, Malaysia from 1 – 2 December 2010 at Putrajaya Marriott Hotel

The Renewables Academy (RENAC) in Berlin and KeTTHA in Putrajaya will implement a seminar on financing PV, biogas and landfill gas projects in Putrajaya from 1 – 2 December 2010 for participants from **Malaysia and South East Asia**.

Malaysia and other countries from the region have outstanding opportunities to benefit from various renewable energy sources. A huge potential, especially in solar, wind and bio energy, only waits to be explored. Growing political awareness of the need to change the energy system towards renewables combined with clear-sighted entrepreneurship bring with it interesting new business opportunities. This will create the chance for a strong renewable energy industry to develop in the region.

Like any other investment, renewable energy (RE) projects need thorough analysis before implementation in order to minimize risks and assure profitability. Every RE technology has distinctive features which affect cost and revenue structures and thus financing. Furthermore, depending on the technology used, risks vary and need to be understood.

This two-day seminar aims at familiarizing participants with the most relevant technical and financial aspects of photovoltaics, biogas and landfill gas projects and to prepare them for farsighted economic decision-making, be it as an investor or a project developer.

Benefits

- Understand the relevant technical aspects of different RE technologies
- Be able to identify and mitigate the risks associated with different RE technologies
- Become familiar with RE project cost structures
- Be able to assess which technology has the most potential in the region
- Learn from best-practice examples on how RE projects can be financed and implemented successfully

Target Groups

Project developers, investors, banks, financing institutions, decision makers and engineers from

- Investment companies, banks and other financing institutions
- Ministries and other public authorities
- Project developers and consulting companies
- Industry and industry associations

For more information, please refer to our website: <http://www.tree-project.de/course-program/tree-2010-financing-seminars/>





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Seminar topics and overview

The **two-day seminar** covers project and financing issues for these technologies:

- Photovoltaics
- Biogas and landfill gas

For each of these technologies, the following topics will be discussed:

Introduction to the respective RE technology

- Functional principles
- Necessary natural resources and conditions
- Latest trends in technology and markets

Technical basics

- Systems: components and principles of operation

RE Projects

- Resource assessment in feasibility studies
- Technical planning procedure
- Typical project plans and lead times
- Project risks
- Installation, electrical and civil works, grid-connection
- Technical quality assurance (technical due diligence)
- Contracts within a project

Economics of RE projects

- Capital investments incl. cost of components
- Operating costs
- Cash flow behavior in the project life-cycle
- Sensitivity analysis: important sensitive parameters

Case studies

Financing with the Clean Development Mechanism CDM





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Course structure

01 December; 9 am – 5 pm

Opening Session
Photovoltaics
Biogas and landfill gas introduction
End of Day 1

02 December; 9 am – 5 pm

Biogas and landfill gas (continued)
Clean Development Mechanisms
Closing remarks

Seminar fee* (includes printed seminar proceedings, coffee & lunch)

Early bird registration until 29 October 2010	460 MYR
Regular seminar fee	585 MYR

Employees of government bodies have the possibility to take part free of charge.

* VAT is not included

Take part in TREE distance learning modules!

Participants of this seminar also have the opportunity to participate in TREE distance learning courses **free of charge!**

Modules starting in spring 2011 are:

- Financing of renewable energy projects
- Introduction to renewable energy and energy efficiency technologies
- International energy policy
- Market development for renewable energy technologies
- Quality and supply chain management

For more information, please refer to our website:

<http://www.tree-project.de/distance-learning/>

Registration

To register, please fill in the registration form attached and send it to:

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