Thailand-EC Cooperation Facility

Enhancing Institutional Capacities for the Market Development of Decentralised Energy Systems in Thailand

Decentralised Energy

A Local Solution for Global Problems

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Enhancing Institutional Capacity for the Market Development of Decentralised Energy Systems in Thailand

Introduction of the Project

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Director
Full Advantage Co., Ltd

WADE DE Modelling Training Workshop
5th March 2010
MA DU ZI Hotel, Team Room
Partners

Energy Conservation Center of Thailand (ECCT)

World Alliance for Decentralised Energy (WADE)

Full Advantage Co., Ltd. (FA)

Associate Partner

Funded by:
European Union
General Objectives

1) To help facilitate trade and investment flows between EU and Thailand in the field of energy and environment through cooperation among trade associations

2) To enhance capacities among key target groups within the government agencies and authorities in order for them to formulate and implement policies and regulations that will encourage investments in decentralised energy (DE) systems.
Specific Objectives

1) To establish a dedicated Thailand-based organisation for the promotion of decentralised energy analogous to those common in Europe as a conduit for cooperation between EU and Thai industries in the area of decentralised energy;

2) To assess the energy situation in Thailand and its potential energy use and investment scenarios using the WADE DE modelling tool.

3) To conduct institutional capacity building through training of selected personnel from key agencies in the use of the WADE DE model as a tool in setting objectives and directions in meeting future energy capacity requirements.
Activity 1: Kick-off, inception and launching workshop in Thailand

• 1.1 Preparation of the kick-off meeting and launching workshop

• 1.2 Conduct of kick-off and inception meeting among partners and associates

• 1.3 Conduct of launching workshop in Thailand
Activity 2: Development of a master plan and roadmap for the establishment and operation of a Thai-based organisation with the mission to promote DE

• 2.1 Review of EU experiences on the development, status and progress of analogous EU organisations

• 2.2 Mainstreaming of EU activities and programmes on DE into the master plan and roadmap

• 2.3 Formulation of working policies, statutes and structure of the Thai-based organisation

• 2.4 Development of a master plan and roadmap for the operation of the Thai-based organisation
Activity 3: Consolidation of network/stakeholders and creation of support base for the Thai-based organisation

- 3.1 Creation and development of a database and network of existing trade associations, key stakeholders and potential members

- 3.2 Consultation meetings with relevant stakeholders and potential members
Activity 4: Establishment and initial operation of the Thai-based organisation for promotion of DE

- 4.1 Setting up of the initial structure and working team for the Thai-based organisation

- 4.2 Official registration of the Thai-based organisation

- 4.3 Recruitment of membership and initial operation of the Thai-based organisation
Activity 5: Conduct of WADE DE modelling

• 5.1 Adaptation of the WADE DE Model for Thailand and data gathering

• 5.2 Analysis, generation of results and sensitivity runs
Activity 6: Conduct of training-workshops on the use of WADE DE Model and dissemination of results

- 6.1 Preparation of training-workshops

- 6.2 Conduct of a series of training-workshops for different target agencies

- 6.3 Joint forum among all participants and other relevant agencies to formulate framework for application of the model and disseminate overall results
Activity 7: Management, coordination and reporting

- 7.1 Overall management and coordination of the Action
- 7.2 Preparation and production of reports
**Conceptual Framework**

### NETWORKING
- EU experience in implementing trade associations
- Establishment of Thai-based organisation to promote DE

### CAPACITY BUILDING
- WADE DE modelling of the Thai electricity sector
- Training-workshops for relevant government agencies

Market access; Trade and investment flows in DE
Main Actors/Stakeholders

Small to medium sized industries/companies/associations relevant for DE

Role(s):

- potential members of Thai-based organisation to be set up to promote DE in Thailand;
- recipient of trade and investment flows from EU;
- potential economic and cooperation partners of EU companies.

Government agencies (MoE; DEDE; EPPO; EGAT; PEA; MEA,...)

Role(s):

- provision of data and information for DE modelling;
- participants in training-workshops;
- regular user of WADE DE model for planning and decision-making related to future energy capacity additions in the country.
# Time Frame

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<thead>
<tr>
<th>Activity</th>
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<tbody>
<tr>
<td>Activity 1: launching</td>
<td>January-March ’09</td>
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<td>Activity 2: roadmap for establishing of Thai DE organisation</td>
<td>March-October ’09</td>
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<tr>
<td>Activity 3: database/network creation/stakeholder consultation</td>
<td>September-December ’09</td>
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<tr>
<td>Activity 4: establishing of Thai DE organisation</td>
<td>January-June ’10</td>
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<tr>
<td>Activity 5: adaptation of WADE model to Thailand</td>
<td>July ‘09-February ’10</td>
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<td>Activity 6: training workshop on WADE model</td>
<td>March ’10</td>
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<tr>
<td>Activity 7: co-ordination, reporting</td>
<td>January ‘09-June ‘10</td>
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THANK YOU!