

T@W - Technology at Work

THEMATIC PROMOTION OF SUSTAINABLE ENERGY TECHNOLOGY ON THE EU EMISSION TRADE SCHEME AND THE LINKED CDM AND JI MARKETS

Project Description

T@W project takes point of departure in the evolving need for sustainable energy technologies (CO₂ neutral or low emission), following the adoption of EU's Emission Trading Directive. It also addresses the Clean Development Mechanism (CDM) markets as facilitated through EU's Linking Directive.

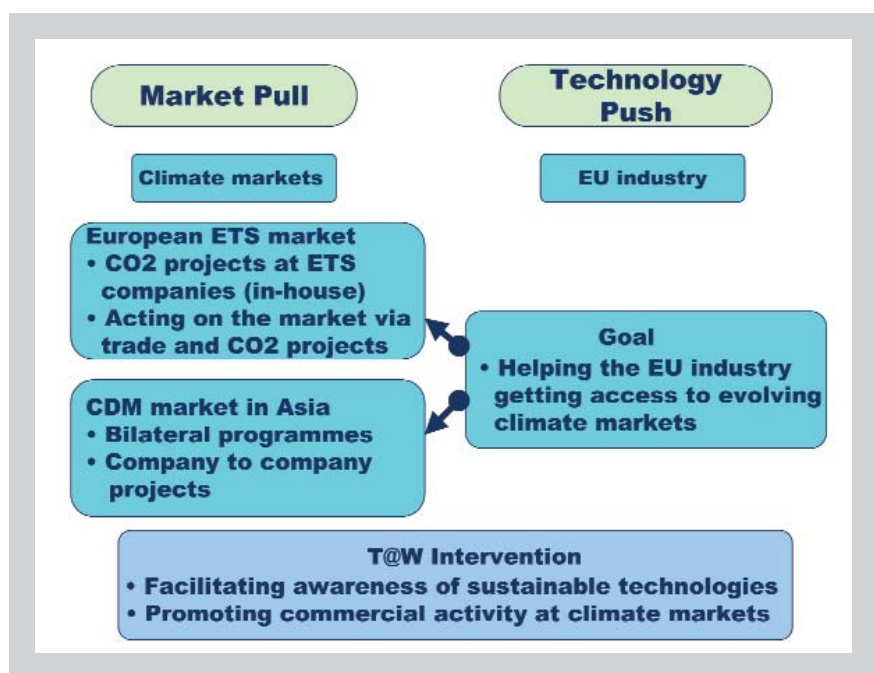
Objectives

The key objective of the T@W project (Technology At Work) is to facilitate the entry of European manufactures of sustainable energy technologies (SET), know-how and European research results into the emerging markets, provoked by the EU Emission Trade Scheme (EU ETS) and CDM markets in Asia.

Approach

An essential element in the project implementation will be to create a linkage between the EU suppliers of sustainable energy equipment and the market actors on the respective climate markets, EU ETS and CDM.

The basic approach will be to position the European SET industry in the form of a technology push and promote sound climate market development via market pull. The figure below illustrates the project intervention in this respect:



Technology push:

- ◆ In the EU ETS market: facilitate the entrance of European RES suppliers by exploring appropriate ways for using high standard and advanced technology;
- ◆ In the CDM markets: to promote co-operation with local manufacturers and researchers in targeted countries such as India, China, Malaysia and Thailand in the term of joint ventures, license agreements, etc. Furthermore, the activities will aim at providing feedback to RES industries and researchers in Europe about RTD needs.

Market pull:

- ◆ In the EU ETS market: helping to promote SET technology implementation in the ETS companies in form of best practice examples and other means.
- ◆ In the CDM markets: promote projects

that are in harmony with local sustainable energy needs and can help ensure an adequate transfer and adoption of EU know-how and technology.

Technological aspects

The targeted technologies are: Bio energy (solid biomass incl. biomass CHP, biogas, etc); Wind energy; Solar thermal heating & cooling and solar PV; Small scale hydro power; Geothermal energy; Poly-generation (Trigeneration, CHP, etc).

Project implementation

The T@W action comprises 5 work packages:

- ◆ WP1 T@W Co-ordination: Entails project co-ordination in line with the FP6 procedures.
- ◆ WP2 SET Promotion in EU ETS market: Comprises a thematic approach to promotion of SET in ETS companies. The activities will address RTD aspects, project facilitation and business aspects of the emerging market.

- ◆ WP3 SET Promotion in CDM markets: Entails a parallel thematic approach to promotion of SET at the CDM markets under rapid development in Asia, addressing the same themes as under WP2.
- ◆ WP4 Dissemination: Comprises the associated promotional tools for encouraging sound market operations. Two climate technology transfer events are planned in connection with CARBON EXPO 2006 and 2007.
- ◆ WP5 Evaluation and Strategy: Entails monitoring the progress and impact assessment of the action. Furthermore, it involves strategies for the promotion of SET in carbon markets, including export strategies for European SET suppliers.

Expected results

The T@W project has the expected impact of paving the way for SET uptake in the EU ETS companies as well as in the Asian CDM market and raising a general awareness of high standard SET/RTD technologies. Consequently, it will help facilitating European companies to comply with their CO2 obligations, and providing markets for the SET in EU and Asia.

Project Title

Sustainable Energy Technology at Work in the market generated by the EU Emission Trade Scheme and the linked CDM and JI markets (T@W)

Contract Number

Under Negotiation

Duration

24 Months

Global Project Cost

Under Negotiation

European Commission Contribution

Under Negotiation

ETA Contribution

Technology @ Work has the objective to support, through new appropriate technologies, sustainable development in South East Asia. At the same time, these technologies will generate Emission Reduction Units for the European ETS. The role of ETA will be to utilize many of their contacts from some of the countries in South East Asia, with the knowledge of the Italian and other EU technology market, to create technological cooperation between them. The broad experience in market analysis and dissemination will be exploited to this means.

Participants

- 1 Energy Consulting Network (ECNet) - Denmark - Coordinator
- 2 Zentrum für Rationelle Energieanwendung und Umwelt (ZREU) - Germany
- 3 Energy Centre Bratislava (ECB) - Slovakia
- 4 EC Baltic Renewable Energy Centre (EC BREC) - Polonia
- 5 KanEnergi Sweden AB (KanEnergi) - Sweden
- 6 Centre for Energy Environment Resource Development (CEERD) - Thailand
- 7 The Energy and Resource Institute (TERI) - India
- 8 Guangzhou Inst.of Energy Conservation, Chinese Academy of Science (GIEC) - China
- 9 Pusat Tenaga Malaysia (PTM) - Malaysia
- 10 Institute of Mechanical Engineering (IDMEC-IST) - Portugal
- 11 CPL Scientific Publishing Services Ltd trading (CPL Press) - United Kingdom
- 12 Sofia Energy Centre (SEC) - Bulgaria
- 13 Ente Vasco de la Energia (EVE) - Spain
- 14 COGEN Europe (COGEN EU)
- 15 Zhejiang Energy Research Institute of China (ZERI) - China
- 16 European Small Hydropower Association (ESHA)
- 17 EUBIA - European Biomass Industry Association
- 18 ETA - Renewable Energies - Italy



SIXTH FRAMEWORK
PROGRAMME

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