



Projects

of the Asia Pro Eco Programme



Asia Pro Eco Programme

Asia Pro Eco is an initiative designed to strengthen environmental dialogue between Europe and Asia. The Programme co-finances mutually beneficial partnerships in the field of the environment between Europe and Asia to share strategies, advanced technologies and know-how in addressing environmental issues

Eligible Asian countries

Afghanistan
Bangladesh
Bhutan
Cambodia
China
East Timor
India
Indonesia
Lao PDR
Malaysia
Maldives
Mongolia
Nepal
North Korea
Pakistan
Philippines
Sri Lanka
Thailand
Vietnam

European Commission
EuropeAid Co-operation
Office Asia Pro Eco
Loi 41 2/44
B-1049 Brussels, Belgium
Tel +32-(0)2-296 73 25
Fax +32-(0)2-298 93 08
E-mail : europaaid-asia-pro-eco@cec.eu.int

<http://europa.eu.int/comm/europaaid/projects/asia-pro-eco/>

Powering harbour development in SE Asia using renewable energy

Contract:	2598/33-2005/099-252
Call for Proposals:	EuropeAid/117860/C/G
Component:	Demonstration projects
Area(s) of Activity:	Energy management
Lead Applicant:	Flanders International Technical Agency – Belgium
Partners:	<ul style="list-style-type: none"> • GERES – France • PAS – Cambodia • MIME – Cambodia
Project Location:	Cambodia
Project Description:	<p>The aim of the action is to demonstrate the viability of renewable energy as an sustainable option for electricity generation in the development of industrial area's like ports etc. It particular addresses the energy problems in the harbour of Sihanoukville, the biggest port of Cambodia. A wind turbine will be integrated in a power plant consisting of two large diesel engines. Alternative sources of fuel for the diesel will be investigated.</p> <p>The target groups are industrials, planning officers, decision makers in energy related topics.</p>
Project Objectives:	<p>The <u>overall objective</u> of the project is to create a sustainable solution with decreased environmental pollution for energy problems associated with the development of industrial area's, ports, industries. The energy is needed to develop this area's as economic pole and hence increase the employment in the area.</p> <p>It is often said that renewable energy is not a competitive with other energy sources in terms of cost and quality. The proposed system will prove that carefully designed hybrid systems can be cost effective and secure the quality of supply in an industrial environment.</p> <p>The <u>specific objective</u> of the project is the supply of electricity for the harbour of Sihanoukville in Cambodia. Feasible options of a hybrid system consisting of a two diesel generators of 1MW in combination with a medium scale wind turbine will be investigated and built. Alternative fuel sources based on biomass or bio-fuels will be investigated as a long term option.</p>

