



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 countries

Afghanistan
Bangladesh
Bhutan
Cambodia
China
East Timor
India
Indonesia
Lao PDR
Malaysia
Maldives
Nepal
Pakistan
Phillipines
Sri Lanka
Thailand
Vietnam

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ENER-C

Towards a better environment: implementation of energy-saving buildings in China

- Contract:** 2598/04-2003/061-811
- Call for Proposals:** EUROPEAID/114518/C/G
- Component:** Technological Partnership
- Sector:** Energy-efficiency in buildings
- Lead Applicant:** Technical University Delft, Faculty OCP – **The Netherlands**
- Partners:**
- Tsinghua University, Department of Building Science and Technology – **China**
 - Tianjin University, Department of Building Services. School of Environment Science and Engineering – **China**
 - Palermo University, Dipartimento delle Ricerche Energetiche ed Ambientali – **Italy**
- Project Location:** **China**
- Project Description:** The aim of the project is to improve environmental quality and promote technology dissemination; staff training aimed at reducing energy consumption in buildings as well as increase environmental concern in China. In addition, this project also helps to strengthen the relation and co-operation between universities and industries, raise awareness of opportunities in the sector and increase economic co-operation between Europe and China.
- Project Objectives:**
- 1) Introduce advanced Green Building concepts, design techniques, advanced technologies and education system from Europe to China and further develop them based on the local existing technologies, and finally identify a set of design and construction technologies applicable for Chinese Green Buildings, considering the situations and climate conditions in China;
 - 2) Develop a Green Building Rating (GBR) system to assess and reduce the energy needs of the building in the early stage of design procedure. Government officials will use this design guideline in order to be able to support those designed energy-saving buildings, according to GBR system.
 - 3) Recognize environmental importance in the building industry;
 - 4) Promote the usage of sustainable energy sources, reduce fossil energy production as well as Green House Gases (GHG) emissions;
 - 5) Improve comfort and indoor air quality for people inside buildings;
 - 6) Raise consumers' awareness about Green Building advantages through activities such as product exhibitions and lectures;



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7) Promote and disseminate advanced Green Building technologies through activities such as training courses, training materials, lectures and exhibitions, to upgrade and enhance the skills of students, teaching staff, designers, construction workers and government officials through technology demonstration, training and re-education (refreshes courses);

8) By organizing some specific workshops, to show and spread Green Building concepts, technologies and information among high-level government officials from MOE (Ministry Of Education) and MOC (Ministry Of Construction), to gain their further support and recognition and afterwards facilitate design principles and criteria for the Green Building industries (college education, research, design practice and policy and regulatory making) in China;

9) Strengthen the relation and cooperation between universities and industries, speed up the transformation of new Green Building technologies to commercial products, raise awareness of opportunities in the sector and develop collaboration that can ultimately lead to mutually beneficial economic cooperation between Europe and China.

EC Contribution:	€ 382.599,45
Start Date:	22 May 2003
Duration:	24 months
Status:	On-going

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