



Project Summary

ADVANCED SUSTAINABLE ENERGY TECHNOLOGIES FOR COOLING AND HEATING APPLICATIONS

ASTECH

Action Line: Thematic Promotion and Dissemination

Contract Type: Specific support actions

Coordinator:

Organisation: ASSOCIATION GRETH
50 Av. du lac Léman
73275 Le Bourget du Lac
France

Contact Person: [Bernard Thonon](#)

Project details

Reference:	Promo/019892/2005	Start Date: 01/09/2006
Status:	Execution	End Date: 01/03/2009
Project Cost (€):	1.261.876	Duration (months):
Project Funding (€):	859.109	

Summary

The objective of this project is to support industrial manufacturers and engineering companies of heating and cooling systems in their development, by introducing more renewable energy sources in their technology. Multi-energy sources, for heating and cooling purposes, are considered to have a large potential in contributing to the penetration of renewable energy sources for domestic, building and industrial applications. But it requires that conventional heating and cooling systems have to be adapted or changed for incorporating renewable energy sources. Nowadays, the heating, ventilating and air-conditioning industries are the actors which have access to the market, and they provide services using mainly fossil fuels or electricity as energy sources. The objective is to have them using renewable energy, combining conventional and renewable sources and proposing environmental cost-effective products.

The technical goal of this project is to set-up technology resource centres in Europe, with the aim of building bridges between the technology providers (research centres, universities and industry) and the technology users (manufacturers, engineering companies). The project outputs are:

- Creation of the clubs/grouping
- Collection of RTD results
- Development of design tools for evaluating and sizing the new technologies
- Best practice and training programme
- Creation of a knowledge resource centre relying on multi language search engines based on craft ontologies and terminologies
- International collaboration with China

For this 14 partners are collaborating to this project. The consortium is composed of centres of excellence in the area of renewable energies, energy agencies and professional associations representing industry.



Partners

1	ASSOCIATION GRETH	FR
2	OESTERREICHISCHES FORSCHUNGS- UND PRUEFZENTRUM ARSENAL GES.M.B.H.	AT
3	ASTER S. Cons. p. a.	IT
4	Black Sea Regional Energy Centre	BG
5	Centre for Renewable Energy Sources	GR
6	Centralne Laboratorium Naftowe	PL
7	Ente Vasco de la Energía	ES
8	GEONARDO Environmental Technologies Ltd.	HU
9	Fraunhofer-Gesellschaft zur Foerderung der angewandten Forschung e.V.	DE
10	IT Power Limited	GB
11	Ontologos corp.	FR
12	Representatives of European Heating and Ventilating Associations (Federation of European Heating and Air conditi	NL
13	Zhejiang Energy Research Institute	CN