



ST-ESCOs Project

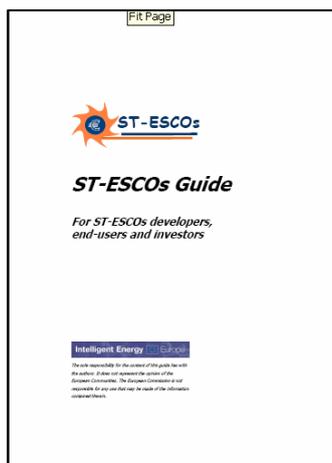


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ST-ESCOs project completion

ST-ESCOs project ended on June 2007.

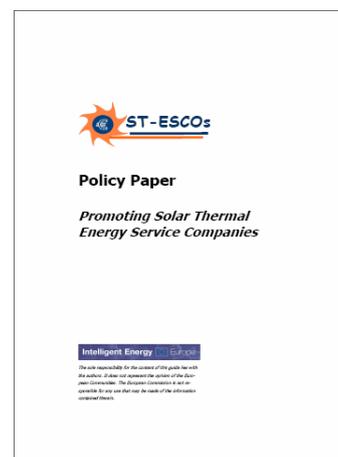
Specialists coming from four European countries (Hellas, Austria, Italy, Spain) joined their efforts in order to analyse and develop ST-ESCO practices and to disseminate this information across Europe. The main project deliverables are briefly presented below:



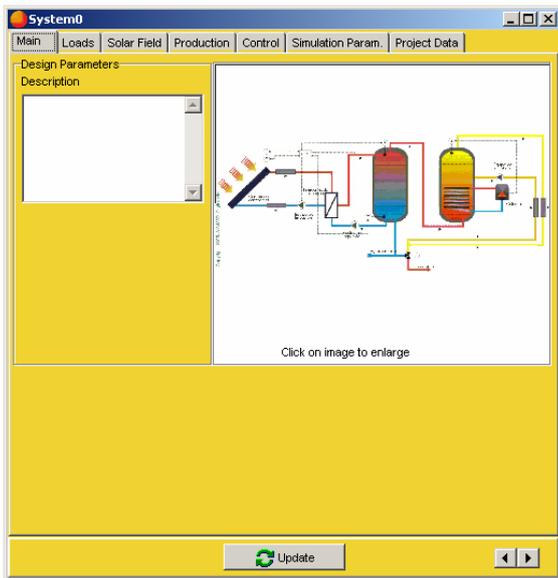
ST-ESCOs Guide

The Guide refers to crucial aspects that have to be taken into account on ST-ESCO contracts. Financial, contractual, legal, marketing, technical aspects are included along with best practice examples and recommendations.
(<http://www.stescos.org/guide.htm>)

The Policy Paper includes and analyses current State and European legislation and addresses legislative and financial barriers.
(<http://www.stescos.org/legislation.htm>)



The ST-ESCOs Policy-Paper



The Software Tool

The **ST-ESCOs software tool** was developed for the quick assessment of potential ST-ESCOs applications. It includes a complete analysis procedure from technical considerations regarding the solar system and optimization calculations regarding economic and contractual analysis.

(<http://www.stescos.org/tool.htm>)

ST – ESCOs agreements

An obligation for all participating countries was the realisation of at least a pilot ST-ESCO agreement per country.

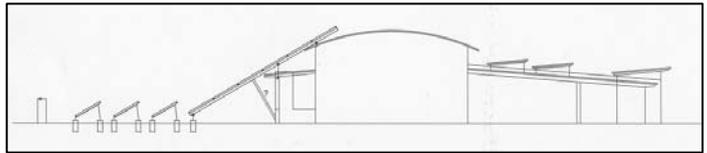
In Austria two ST-ESCO agreements have been signed. The district heating network of Graz will be fed in with hot water by a 6000m², 3MW_{th}, solar system, while the district heating network of Oberzeiring, a village in an alpine region, will be fed in by a 408 m² solar system.



Solar panel arrays in Graz

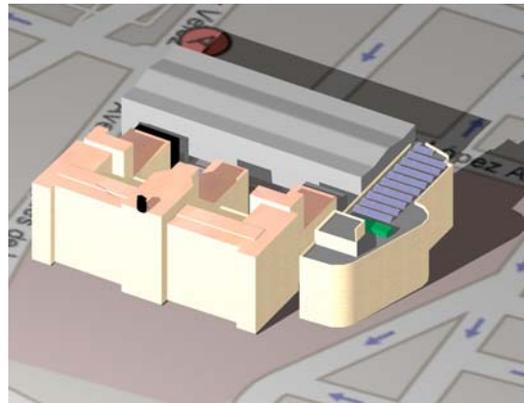
Furthermore, in the context of the project, two new ST-ESCOs were founded in Austria. Solar.Nahwaerme is a company specialized in appli-

cations combining biomass and solar thermal power. Solar.nahwaerme is the ST-ESCO in the Oberzeiring project. Solar.graz, a subsidiary company of Energie Graz, is specialized in combinations of solar thermal plants and district heating networks.



A view of the Oberzeiring future solar panels installation

In Spain, one agreement is already signed and another is currently under negotiations. A solar system with a surface of 202 m² is currently being installed in a hospital in the region of Murcia. An agreement for a solar system of 78 m² which will be feeding the swimming pool of the University of Murcia with hot water is currently under negotiations.



Future 200 m² installation simulation in hospital

Several pre-feasibility studies were carried out both for Italy and Hellas, though, no agreements have been realized so far.

In Hellas, the most promising case for a pilot ST-ESCO agreement concerns a 800 beds hospital in Northern Hellas, Thessalonica. A solar system of



A maquette of the hospital

1225 m² that can cover the mean daily consumption of sanitary water of about 91800 litres has been proposed.

Hellas

ST-ESCOs conference in Athens

In the framework of the ST-ESCOs project, a conference was held at the Athens Imperial hotel on the 6th of June 2007. This conference closes a series of events carried out by the Hellenic ST-ESCOs project team the previous two years, as the project ended in June 2007.

The scope of this conference was to disseminate the results and deliverables of the project to all the relevant stakeholders.

Representatives from the public authorities (Ministry of Economy, Ministry for the Environment and Public Works, etc.), the Hellenic solar industry, existing ESCOs, potential developers of ST-ESCO projects and end-users attended the conference.

The audience had the opportunity to be informed about:

- the current and future legal framework concerning ST-ESCOs and their operation,
- Energy Performance Contracting,
- Past and ongoing ST-ESCO agreements,
- the Software Tool, a computer program for the assessment of ST-ESCO projects.



Ms. Drosou opening the conference

Following the presentations, the participants had the opportunity to ask questions about various aspects connected to ST-ESCOs agreements.



Conference's audience

Greek solar industry association to provide a solar thermal system

The Hellenic Solar Industry Association (EBHE) is willing to offer a 200 m² solar thermal system for free for a selected pilot ST-ESCOs project. This announcement was made by the president of the association, Mr. Kastanakis, during his presentation at the ST-ESCOs conference in Athens. EBHE will have the role of the ESCO in this realization.

For further information

www.stescos.org