



International Training Seminar

# Solar Process Heat

9 June 2011

## International Training Seminar Solar Process Heat

9 June 2011, Munich

Official Side-Event of **inter solar**  
connecting solar business | EUROPE

While solar heat for domestic and service applications has increasing market shares across Europe, solar process heat is very much in its infancy. In principle, the potential is enormous: about 30% of the total industrial heat demand is at temperature levels below 100°C which can be provided with commercially available solar thermal collectors.

**The international training seminar will provide information and know-how on solar thermal system design for solar process heat installations.**

The international training seminar is organised by the O.Ö. Energiesparverband, the energy agency of Upper Austria, and the Fraunhofer Institute for Solar Energy Systems. It is held in the framework of the Intelligent Energy Europe project "Solar Process Heat".

### The IEE-project "Solar Process Heat" (So-Pro)

The So-Pro initiative, a project supported by the Intelligent Energy Europe Programme, aims to trigger the starting up of markets for solar process heat in 6 European regions (Upper Austria, Castillas y Madrid/Spain, South Bohemia/Czech Republic, North-Rhine Westphalia and Saxony/Germany and the Maribor region/Slovenia).

Project activities include – among others – targeted awareness raising for industrial decision makers, training of professionals, development of checklists and planning guidelines and the support to pilot projects. Comprehensive European dissemination activities ensure that the know-how gained is applied around Europe.

Further information is available at: [www.solar-process-heat.eu](http://www.solar-process-heat.eu)



## Main activities of the So-Pro project:

- **Analysis of the market conditions for solar process heat:** this included energy screenings of 91 companies, the analysis of economic and technical requirements for solar process heat and the identification of priority applications for solar process heat.
- **Checklists and design guides** for solar process heat installations were developed, for both publications a European version in English and 6 regional versions (German, Spanish, Slovene and Czech) were printed.
- **Regional campaigns** included 16 round-tables with key stakeholders (with more than 400 participants), information events, training courses and media campaigns.
- **Identification and support to potential pilot projects:** one pilot project was triggered in Spain and a number of other promising candidates were identified and supported.
- **Solar contracting:** the market potential of solar contracting was analysed in each region, advice to companies interested in this instrument given and "FAQs" were developed.
- **European dissemination activities** include project newsletters, an international conference, an international training seminar and a stand at the "Hannover Messe".

## The O.Ö. Energiesparverband

The O.Ö. Energiesparverband is the energy agency of Upper Austria, dedicated to sustainable energy market development. Upper Austria is a leading solar thermal region (0.7 m<sup>2</sup> solar thermal installed per capita) with great experience in the use of solar thermal energy.

## The Fraunhofer Institute for Solar Energy Systems

The Fraunhofer Institute for Solar Energy Systems (ISE) conducts research on the technology needed to supply energy efficiently and on an environmentally sound basis. The Institute develops systems, components, materials and processes in the areas of the thermal use of solar energy, solar building, solar cells, electrical power supplies, chemical energy conversion, energy storage and the rational use of energy.

## The Intersolar Europe in Munich

Intersolar Europe 2011 will take place at the New Munich Trade Fair Centre from 8 – 10 June. Today, it is the world's largest exhibition for the solar industry, and looks back on a history spanning twenty years. In 2010, 1,884 international exhibitors and more than 72,000 trade visitors were welcomed to Intersolar Europe. The accompanying Intersolar Europe Conference consolidates the topics of the exhibition. In 2010, more than 150 speakers and around 2,000 attendees discussed current industry topics and investigated the background of technological, market and political developments. For more information on Intersolar Europe please visit: [www.intersolar.de](http://www.intersolar.de)

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## SOLAR PROCESS HEAT

9 June 2011, Intersolar Europe in Munich

### Seminar topics

- information on selected industrial processes which require low temperature heat
- planning approach for solar process heat
- integration of solar thermal systems in industrial processes (linking industrial process engineering and solar thermal engineering)
- discussion of different system concepts
- solar thermal system design for solar process heat installations
- innovative financing schemes, such as contracting
- case studies

### Target groups

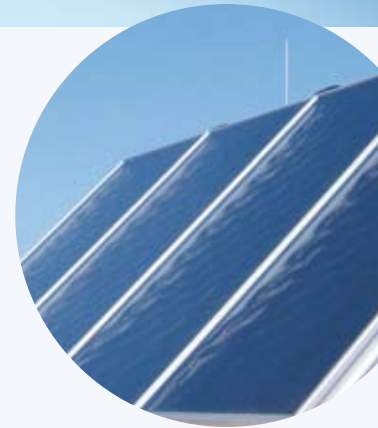
- technical experts from solar companies
- technical experts from industrial companies with process heat needs
- specialised planners & energy consultants

### What will the seminar offer?

- bringing together know-how on solar process heat from all over Europe
- results of a European project on solar process heat
- tools for solar process heat (checklists & design guides)
- interaction with solar thermal experts on details of planning and implementing solar process heat installations

### The training team

- solar thermal experts from the So-Pro project consortium
- representatives from companies that already use solar process heat
- representatives of solar companies, solar planners and solar associations





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## SOLAR PROCESS HEAT

### Practical details

<b>Date</b>	9 June 2011, 9.30 – 17.30
<b>Location</b>	Intersolar Europe in Munich, New Munich Trade Fair Center, Germany
<b>Fee</b>	150 Euro (plus 10% VAT). The fee includes the training seminar, the seminar documentation, coffee breaks & lunch. The entrance into the Intersolar Europe is included.
<b>Language</b>	The training seminar will be held in English. please note that a good command of English is required
<b>Registration</b>	Please register before 25 May 2011 at <a href="http://www.solar-process-heat.eu/events/">www.solar-process-heat.eu/events/</a> (Please note: the number of participants is limited).
<b>Organiser &amp; Information</b>	O.Ö. Energiesparverband, Landstrasse 45, 4020 Linz +43-732-7720-14869, <a href="mailto:office@esv.or.at">office@esv.or.at</a> , <a href="http://www.esv.or.at">www.esv.or.at</a> , <a href="http://www.solar-process-heat.eu">www.solar-process-heat.eu</a> , ZVR 171568947
<b>Travel information</b>	Munich can be easily reached by air (airport Munich) or train. During the Intersolar, shuttle buses provide service between the airport and the New Munich Trade Fair Centre. More information: <a href="http://www.intersolar.de">www.intersolar.de</a>

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