



## EVENT DESCRIPTION

**Project Partner: Energy Centre České Budějovice**

**Title of the event: Round table “Utilization of solar energy for technological processes in the industry (project So-Pro)”**

**Date & location:** 22.3.2010, South Bohemian Chamber of Commerce, České Budějovice

**Organiser(s):** Energy Centre České Budějovice in cooperation with South Bohemian Chamber of Commerce

**Number of Participants: 33**

### Summary

The round table “Utilization of solar energy for technological processes in the industry (project So-Pro)” took place in the South Bohemian Chamber of Commerce on 22.3.2010.

The aim of the round table was to get together the representatives of industrial companies that could be interested in utilization of solar thermal energy in technological processes and solar companies that could install solar thermal system and other stakeholder groups. Another aim of the round table was to make the stakeholders acquainted with the So-Pro project and to involve them in the project activities.

The programme included a presentation on So-Pro project, where the objectives, activities and role of ECCB were introduced. Then it was spoken about the possibilities of the solar energy utilization in the industrial processes. A practical example of utilization of solar process heat in South Bohemia was introduced. In the end two solar companies presented their activities in the field of solar thermal installations.

Despite all the efforts of ECCB (invitations to the round table both per post and per e-mail, telephone calls to companies), only one industrial company and five solar thermal companies displayed the interest in taking part in the round table (there are no ESCOs or R & D organisations in South Bohemia that we could address). That’s why we decided to invite students from the Faculty of Agriculture of the University of South Bohemia to the round table as well.

## **Objective & main programme point**

The aim of the round table was to get together the main stakeholder groups so that they could discuss the possibilities of utilization of solar thermal energy in industrial processes, the main barriers and other aspects of solar process heating.

After a short introduction of the So-Pro project, Ing. Zdeněk Krejčí from ECCB presented i.e. the solar energy utilization in technological processes in the car plant Nissan Motor Iberica in Avila in Spain and results of several energy screenings in industrial companies in South Bohemia. A lecture on solar thermal use in a button factory in Studená followed. At the end of the round table two solar thermal companies – JH Solar and ET Šťastrný introduced their so-far implemented solar thermal systems on family houses or other buildings.

## **Conclusions & lessons learnt (based on stakeholder input)**

The aim to get together the most important stakeholder groups and support discussion on solar thermal heat was fulfilled only partially in South Bohemia.

More than 70 solar thermal companies/ specialised planners and 15 industrial companies where energy screenings were made were addressed. As for the industrial companies only one company was interested in taking part in the round table – Würth Elektronik from České Budějovice. All industrial companies got an invitation to the round table both per post and per e-mail. Further all of them were contacted and invited to the round table per telephone, but despite all the efforts, no other company wanted to participate. The most often reason for it was: too long payback period for the solar thermal system, the lack of time, the lack of interest – no industrial process was found where solar thermal heat could be used, other priorities in the company (other investments planned/preferred e.g. photovoltaics versus solar thermal).

Concerning the solar thermal companies, they were sent an invitation to the round table per post. In an following e-mail they were offered the possibility to introduce their company free of charge in the framework of the round table. About 20 companies were then contacted also per telephone and provided the opportunity to present the company's activities and implemented solar thermal systems at the workshop. Nevertheless only 2 companies expressed interest in it. In total representatives of 5 solar thermal companies participated in the round table.

Because of the lack of interest from the side of stakeholders to participate the originally planned round table (where discussion should be of importance) had rather a character of a seminar (informative character).

The questions asked by the representatives of the industrial company (Würth Elektronik) was related to the payback period and its possible shortening - if there are any subsidy programmes in the Czech Republic that could be made use of. Another question concerned the price difference between the roof-integrated solar thermal collectors in

comparison to the more common type of installation of the solar collectors on the roof of a building.

A representative of solar thermal companies (D.I.M. Ltd.) was e.g. interested in the results of an energy screening – he wanted to know the yearly heat production in an industrial company where the payback period was quite low because of the high electricity price (Kovotex Ltd.).

Quite a lot of questions were also asked by the students but they were rather of a general character (quality, price of solar thermal collectors, the optimal tilt angle/orientation or solar collectors).

How to explain the small interest of the stakeholders and what to do for making the area of solar thermal heat more attractive to them is a question that we as a project partner should think about. We could have expected low interest from the previous project activity (implementing of energy screenings) where the interest from the side of industrial companies was very small and we had to persuade them to let us do the energy screening for them although it was free of charge. One of the main barriers why the situation is like this is a long payback period of an installation of solar thermal system - most companies cannot afford it. To make solar companies interested in solar thermal heat there must be a demand from the side of industrial companies. A possible solution is a suitable subsidy programme. Unfortunately the companies are motivated mainly by the profit and earnings, they do not think the protection of environment should have the priority.

## ANNEX

The following documents are included in the annex:

- programme
- invitation folder
- pictures

### Programme

9:15 – 9:30	Registration of participants
9:30 – 9:45	Opening, introduction of the So-Pro project (Solar process heat) Mgr. Ivana Klobušníková, director of ECCB
9:45 – 10:20	Possibilities of the solar energy utilization for the production of technological heat in the industry Ing. Zdeněk Krejčí, technician of ECCB
10:20 – 10:40	Example from CZ – solar energy utilization in a technological process
10:40 – 11:00	Break
11:00 – 12:00	Presentation of solar thermal companies
12:00 – 12:30	Possibilities for cooperation and corporate projects
12:30 – 13:00	Discussion, answering the questions, end of the round table

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# Pozvánka na KULATÝ STŮL

## Využívání solární energie pro technologické procesy v průmyslu (projekt So-Pro)

**Organizátor: Energy Centre České Budějovice ve spolupráci  
s Jihočeskou hospodářskou komorou**



Intelligent Energy  Europe

**Termín konání: 22. března 2010, 9:30 – 13:00 hod.**

**Místo konání: zasedací místnost, Jihočeská hospodářská komora,  
Husova 9, Č. Budějovice**



# SO-PRO

## Program:

- 9:15 – 9:30 hod.**                    **Registrace účastníků**
- 9:30 – 9:45 hod.**                    **Úvod, představení projektu Solar Process Heat (Solární technologické teplo)**  
*Mgr. Ivana Klobušníková, ředitelka ECČB*
- 9:45 – 10:20 hod.**                    **Možnosti využívání solární energie pro výrobu technologického tepla v průmyslu**  
*Ing. Zdeněk Krejčí, technik ECČB*
- 10:20 – 10:40 hod.**                    **Příklad z ČR - využívání solární energie v technologickém procesu**
- 10:40 – 11:00 hod.**                    **Přestávka s pohoštěním**
- 11:00 – 12:00 hod.**                    **Prezentace solárních firem**
- 12:00 – 12:30 hod.**                    **Možnosti spolupráce a společných projektů**
- 12:30 – 13:00 hod.**                    **Diskuze, zodpovězení dotazů, závěr**

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### **PŘIHLÁŠKA**

**Tímto se závazně přihlašuji na kulatý stůl Využívání solární energie pro technologické procesy (projekt So-Pro), který se uskuteční dne 22. března 2010 v Českých Budějovicích.**

Organizátor: Energy Centre České Budějovice ve spolupráci s Jihočeskou hospodářskou komorou

**Vložené na akci činí 50,- Kč včetně DPH.**

<b>Titul, jméno a příjmení:</b>
<b>Název organizace:</b>
<b>Adresa:</b>
<b>Telefon:</b>
<b>E-mail:</b>
<b>Datum, podpis:</b>

Vyplněnou přihlášku zašlete prosím poštou, emailem či faxem na adresu: [hana@eccb.cz](mailto:hana@eccb.cz), fax: 387 312 581, Energy Centre České Budějovice, Nám. Př. Otakara II. 87/25, 370 01 České Budějovice **nejpozději do 15. 3. 2010**. Děkujeme.

## Pictures

