



## **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: 3.11.2010, South Bohemian Regional Authority, České Budějovice**

**Organiser(s):** Energy Centre České Budějovice in cooperation with South Bohemian Regional Authority

**Number of Participants: 17**

### **Summary**

The round table “Utilization of solar energy for technological processes in the industry (project So-Pro)” took place in the South Bohemian Regional Authority on 3.11.2010.

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, solar companies - potential installers of solar thermal system and other stakeholder groups. Because of low interest of South Bohemian industrial companies from 2 last So-Pro round tables, we decided to focus on industrial companies from neighbouring regions this time. These neighbouring regions were Prague, Central Bohemian Region, Vysočina Region and the Pilsen Region. We addressed industrial and solar companies from South Bohemia as well. Another aim of the round table was to make the stakeholders acquainted with the So-Pro project and steps that have been made in the framework of it so far. We also wanted to address new industrial companies that could be interested in the pilot project.

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. Four best practice examples of solar process heat utilization from abroad were introduced. In the end three solar companies presented their activities in the field of solar thermal installations.

After distributing the invitation to the target groups (invitations to the round table both and per e-mail and also per post), six industrial companies, five solar thermal companies and one specialized planner displayed the interest in taking part in the round table.

## **Objective & main programme point**

The aim of the round table was to get together the main stakeholder groups and get them acquainted with the possibilities of utilization of solar thermal energy in industrial processes and other aspects of solar process heat.

After the introductory word by a representative of the South Bohemian Regional Authority and the introduction of the So-Pro project, Ing. Zdeněk Krejčí from ECCB talked in his lecture about the solar energy utilization in technological processes, mentioned results of a few energy screenings that were implemented within the project and also introduced 4 successful examples of solar process heat utilization from abroad. These successful examples were a slaughterhouse in Montesano in Spain, a laundry Laguna in Marburg in Germany, the metal processing company Steinbach & Vollmann in Heiligenhaus in Germany and the brewery and malt house Lämmsbräu in Neumarkt in Germany. In the mentioned companies solar process heat is used for heating of fresh water for washing/cleaning, for pre-heating of make-up water, heating of water for washing machines, heating of baths and convective drying. Mr Krejčí also introduced the “SO-PRO Checklist for Industrial Decision Makers” that was published in the framework of the project and that was available in hard copies for the participants at the round table. At the end of the round table three solar thermal companies – JH Solar Ltd., Regulus Ltd. and ET Šťastný introduced their so-far implemented solar thermal systems on buildings from public sector (hotels, hospitals, swimming pool, administration building...) or on family houses.

## **Conclusions & lessons learnt**

The aim to get together the most important stakeholder groups was fulfilled in South Bohemia.

From nearly 700 addressed industrial companies from 4 neighbouring regions and approx. 500 industrial companies from South Bohemia six companies were interested in taking part in the round table – KPS Metal Inc. from Moravské Budějovice, Kovohutě Příbram nástupnická Inc. from Příbram, Electric Powersteering Components Europe Ltd. from Slaný, Elasta-Vestil Ltd. from Kruceburk, ZŘUD – Masokombinát Písek and Boxit Ltd. from Kájov (2 last mentioned companies are from South Bohemia). All industrial companies were sent the invitation to the round table per e-mail and 300 of them also per post.

Concerning the solar thermal companies and specialised planners from South Bohemia we addressed more than 70 of them. They were sent the invitation per e-mail. Moreover the solar companies were offered the possibility to introduce their company in the framework of the round table. In the end 5 solar companies (Quantum Inc., JH Solar Ltd., ET Šťastný, Regulus Ltd., Rybár Ltd.) and one specialised planner (Slavko Šudič) participated in the round table. Three of them also introduced the activities of their companies at the round table.

We also informed on the round table on 4 internet servers ([www.enviweb.cz](http://www.enviweb.cz), [www.tzb-info.cz](http://www.tzb-info.cz), [www.energetika.cz](http://www.energetika.cz), [www.aov.cz](http://www.aov.cz) ) and on our website.

What have we learnt from this round table? There are companies that are interested in using new technologies in their firms. That is the reason why they came to the round table – they wanted to learn something about utilisation of solar process heat – if solar process heat were applicable in their companies or not, eventually under what conditions. But the potential interest stops after mentioning the economic side of the project. Even if we found a seriously interested industrial company that would like to change its heat supply system or would like to use new green technology in its company we must be prepared to offer such a company something more than the independent, free of charge energy advice and technical support when choosing the specialized planner and solar thermal company... Under existing conditions in CZ, i.e. there is no subsidy programme for solar process heat utilisation in industry at the moment and when the payback period in most companies moves between 12 – 20 years or even more and the Czech economics have not recovered from the financial crisis yet, it is difficult to expect a serious interest of any industrial company in solar process heat utilization. Unfortunately the companies (at least the Czech ones) are motivated mainly by the profit and earnings, the protection of environment and the “green image” of the company are not prior for them. We as a partner of the project can make as much effort as possible, address as many industrial companies from the whole CZ which we can find contact to but unless we offer the potential interested companies any good strategy how to finance a project of solar process heat utilization we must be prepared to encounter negative or no responses to our efforts (which has been our experience so far).

**Attached:**

- programme
- printed invitation folder
- all ppts
- pictures
- attendance list

**Programme**

**9:15 – 9:30** Registration of participants

**9:30** Introductory word by a representative of South Bohemian Regional Authority

Introduction of the So-Pro project  
(Solar process heat)

Mgr. Ivana Klobušníková, director of ECCB

Possibilities of the solar energy utilization for the production of technological heat in the industry  
Ing. Zdeněk Krejčí, technician of ECCB

Concrete examples of solar energy utilization in a technological process from abroad  
Ing. Zdeněk Krejčí, technician of ECCB

Presentation of solar thermal companies

Possibilities for cooperation and corporate projects

Discussion, answering the questions

**13:00** End of the round table

*Energy Centre České Budějovice*

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# Pozvánka na KULATÝ STŮL

## Využívání solární energie pro technologické procesy v průmyslu

(projekt Solar Process Heat, So-Pro)

**Organizátor: Energy Centre České Budějovice ve spolupráci  
s Krajským úřadem Jihočeského kraje**



**Termín konání: středa 3. listopadu 2010, 9:30 – 13:00 hod.**

**Místo konání: Presscentrum, Krajský úřad Jihočeského kraje,  
U Zimního stadionu 1952/2, 370 76 České Budějovice**



## Program:

9:15 – 9:30 hod.

Registrace účastníků

9:30 hod.

Uvítání – zástupce KÚ JČK

**Představení projektu Solar Process Heat  
(Solární technologické teplo)**

*Mgr. Ivana Klobušníková, ředitelka ECČB*

**Možnosti využívání solární energie pro výrobu  
technologického tepla v průmyslu**

*Ing. Zdeněk Krejčí, technik ECČB*

**Konkrétní příklady využívání solární energie  
v technologickém procesu ze zahraničí**

**Prezentace solárních firem**

**Možnosti spolupráce a společných projektů**

**Diskuze, zodpovězení dotazů**

13:00 hod.

**Závěr**

Tato tiskovina byla vydána za finanční podpory EU v rámci projektu Solar Process Heat (Solární technologické teplo). Za obsah této tiskoviny je odpovědný výhradně autor. Obsah nemusí vyjadřovat názor Evropského společenství. Evropská komise není odpovědná za jakékoliv užití informací obsažených v této tiskovině.



### **PŘIHLÁŠKA**

**Tímto se závazně přihlašuji na kulatý stůl Využívání solární energie pro technologické procesy v průmyslu (projekt So-Pro), který se uskuteční dne 3. listopadu 2010 v Českých Budějovicích.**

Organizátor: Energy Centre České Budějovice ve spolupráci s Krajským úřadem Jihočeského kraje

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

Účast na akci je bezplatná.

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 27.10.2010**. Děkujeme.

**Pictures**

