



EVENT DESCRIPTION

Project Partner: Energy Centre České Budějovice

Title of the event: Regional conference of the project “Solar process heat” (So-Pro)”

Date & location: 21.9.2011, South Bohemian Regional Authority, České Budějovice

Organiser(s): Energy Centre České Budějovice in cooperation with South Bohemian Regional Authority, South Bohemian Chamber of Commerce and Czech Chamber of Authorised Engineers and Technicians

Number of Participants: 61

Summary

The final conference to the project “Solar process heat (So-Pro)” took place in the South Bohemian Regional Authority on 21.9.2011.

The final conference targeted mainly the manufacturers and suppliers of solar thermal collectors, industrial companies, representatives of municipalities, specialised planners, energy advisors and other interested persons. The aim was to provide information on the project implementation in the years 2009 – 2011, results, accomplished tasks and discussion on solar process heat.

The programme included a presentation on So-Pro project, where all implemented activities and the role of ECCB were introduced. Other parts of the conference were devoted to basic principles of using solar energy for heat generation – construction of solar collectors, schemes of connection, basics of solar system designs focusing on utilization in the industry. Further concrete examples of solar heat utilisation and the financing method “EPC” and its possible use for solar process heat projects were introduced. The end of the conference was devoted to green marketing.

After distributing the invitation to the target groups (invitations to the conference were sent both per e-mail and also per post), one industrial company, 3 specialized planners, 2 solar companies and 1 municipality displayed the interest in taking part in the training course. Because of low interest from the side of industrial and solar companies we decided to invite also students of the Secondary School of Mechanical and Electrical Engineering and of Technical Lyceum of the Integrated School of Building Nerudova in České Budějovice.

Objective & main programme point

The aim of the final conference was to get together the main stakeholder groups and make them acquainted with the project implementation, remind them of the basic know-how for sizing and planning solar thermal plants in the industry and share the experience with them.

After the introductory word of the director of ECCB and a representative of the South Bohemian Regional Authority the lecture of Ing. Zdeněk Krejčí on the implementation of So-Pro project, its results and outputs followed. The importance of energy screening implemented in some industrial companies was emphasized and obstacles hindering the development of solar process heat such as position of the main energy manager in the company, low energy efficiency of the processes, waste heat, low share of energy price on total costs, advantageous price of other types of energy or long payback period of energy saving measures were mentioned. Possible solutions under existing conditions are: subsidy for solar process heat installations in industry; to design only systems for pre-heating of hot water with flat collectors; continuous and not interrupted demand on hot water, to integrate the installation into another investment. Despite big efforts no pilot project has been launched in South Bohemia.

Afterwards Doc. Ing. Tomáš Matuška, Ph.D. gave his lecture on basic principles of solar energy utilization for heat generation and possibilities of use in the industry and public buildings. In addition to the main topic the lecture was devoted to types of solar collectors for industrial solar systems (efficiency, output and price) and to solar system design for industrial applications. He mentioned also examples of solar systems not only in Czech Republic that have the character of solar process heat installations: Feifer metalworking Holiche (CZ, heating of bath, 90 m² of large-area collectors) or prison slaughterhouse in Rimavská Sobota (Slovak Republic, 120 m² of flat collectors).

Other mentioned examples concerned hot water preparation for hygiene of workers, solar cooling, heating water for public swimming pools, heating water in retirement homes and hotels etc.

The next lecture was given by Ing. Jaroslav Maroušek, CSc. from the company SEVEN which deals with energy consulting and management. In the lecture the EPC financing method, its development in CZ and its possible use in the framework of So-Pro project were introduced. The relationship between an ESCO and a client, the exact process of preparation and implementing of a project, the content of contracts on providing energy services etc. were discussed. The Czech Republic belongs to the leading European countries in the number and size of EPC projects.

In the last lecture of the conference Mrs. Princlová spoke about green marketing. It is the marketing of products that are considered to be safe for the environment. She talked about its history and development and about the formation of the concept sustainable development, which is a way of development that meets the needs of the present without compromising the possibilities of future generations to fill in their own needs.

Conclusions & lessons learnt

The aim to get together the most important stakeholder groups and provide them with information on project progress between 2009 – 2011, make them acquainted with the reached results and discuss with them solar process heat was fulfilled in South Bohemia.

From nearly 700 addressed industrial companies from 4 neighbouring regions and approx. 500 industrial companies from South Bohemia only one company (KOH-I-NOOR) took part

in the final conference. The industrial companies were sent the invitation to the conference per e-mail.

Concerning the solar thermal companies from SB we addressed over 70 of them per email. We also sent an invitation per email to 5 solar collector manufacturers and to 40 energy consultancy centres in CZ. Through the Union of Towns and Municipalities of the South Bohemian Region the invitation was distributed to representatives of all SB towns and municipalities.

The invitation was distributed also per post to specialised planners from South Bohemia (approx. 250 members of Czech Chamber of Authorised Engineers and Technicians).

We also informed on the final conference on 3 internet servers (www.enviweb.cz, www.tzb-info.cz, www.biom.cz) and on our website. Invitations to the conference were also sent via South Bohemian Chamber of Commerce.

What have we learnt from the final conference?

Like at the previous events organised in the framework of So-Pro project there is no interest from the side of industrial companies, either from South Bohemia or from other regions. Solar companies and specialised planners are interested to learn something new in their field of activity and would be also interested in carrying out of concrete projects. The problem is that there are no potential clients at the moment, where the solar companies/specialised planners could make use of the gained knowledge. Unless the existing conditions in CZ change (there is no subsidy programme for solar process heat utilization in the industry which is the main obstacle together with too long payback period of a solar process heat project) the interest of the industrial companies will probably stay the same, i.e. none or very low.

Attached:

- programme
- pictures
- printed invitation folder

Programme

- 8:45 – 9:00 Registration of participants
- 9:00 Introductory word by the director of ECCB and a representative of South Bohemian Regional Authority
- Implementation and results of So-Pro project in South Bohemia
Ing. Zdeněk Krejčí, ECCB
- Basic principles of the solar energy utilization for the heat production, possibilities of use in the industry and public buildings
Doc. Ing. Tomáš Matuška, Ph.D., Czech Technical University in Prague
- Providing energy services, development of EPC method in CZ and possibility of its use for solar systems installations in industrial companies and public buildings
Ing. Jaroslav Maroušek, SEVEN, The Energy Efficiency Center
- Green marketing and its future
Mgr. Marie Princlová, lecturer and consultant in marketing, sales and management
- 13:00 End of the conference

Pictures



Pozvánka

na závěrečnou KONFERENCI k projektu

Solární technologické teplo (So-Pro)

a na kulatý stůl

Využití solárního tepla v průmyslu

Organizátor: Energy Centre České Budějovice ve spolupráci
s Jihočeským krajem, Jihočeskou hospodářskou
komorou a ČKAIT



Termín konání: **středa 21. září 2011, 9:00 – 13:00 a 13:30 – 16:00 hod.**

Místo konání: **zasedací místnost OŠMT č. 325, Krajský úřad
Jihočeského kraje, Boženy Němcové 49/3,
370 01 České Budějovice**

Cílová skupina: výrobci a dodavatelé solárních termických zařízení,
zástupci výrobních podniků, zástupci měst a obcí, projektanti,
energetičtí poradci a další zájemci o danou problematiku

Závěrečná konference byla zařazena do programu celoživotního vzdělávání ČKAIT, členům ČKAIT
bude po jejím absolvování udělen 1 kreditní bod v rámci celoživotního vzdělávání.



SO-PRO

Program konference:

8:45 hod. Registrace účastníků

9:00 hod. Zahájení a úvod

zástupce JČK a Mgr. Ivana Klobušníková, ředitelka ECČB

Realizace a výsledky projektu So-Pro v Jihočeském kraji

Ing. Zdeněk Krejčí, Energy Centre České Budějovice

Základní principy využívání solární energie pro výrobu tepla, možnosti využití v průmyslu a ve veřejných budovách

Doc. Ing. Tomáš Matuška, Ph.D., ČVUT

Poskytování energetických služeb, metoda EPC v ČR, možnost jejího využití pro solární termické instalace v podnicích a veřejných budovách

Ing. Jaroslav Maroušek, CSc., SEVEN

Zelený marketing a jeho budoucnost

Mgr. Marie Princlová, lektorka a konzultantka v oblasti marketingu, prodeje a managementu

Diskuze, zodpovězení dotazů

13:00 hod. Závěr konference

13:00 – 13:30 hod. Přestávka s občerstvením

Program kulatého stolu:

13:30 hod. Zelený marketing kontra greenwashing

Mgr. Marie Princlová, lektorka a konzultantka v oblasti marketingu, prodeje a managementu

Konkrétní příklady využití solárního tepla ve výrobní firmě a veřejných budovách

Luboš Kozel, JH Solar

16:00 hod. Závěr

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PŘIHLÁŠKA

Tímto se závazně přihlašuji na závěrečnou konferenci k projektu So-Pro a/nebo na kulatý stůl Využívání solárního tepla v průmyslu. Akce se uskuteční dne 21. září 2011 v Českých Budějovicích.

Organizátor: Energy Centre České Budějovice ve spolupráci s Jihočeským krajem, Jihočeskou hospodářskou komorou a ČKAIT

Titul, jméno a příjmení:
Název organizace:
Adresa:
Telefon:
E-mail:
Datum, podpis:

Účast na akci je bezplatná.

Vyplněnou přihlášku zašlete prosím poštou, emailem či faxem na adresu: hana@eccb.cz, fax: 387 312 581, Energy Centre České Budějovice, Nám. Př. Otakara II. 87/25, 370 01 České Budějovice **nejpozději do 14.9.2011**. Děkujeme.