



Technology Workshop on Solar Process Heat for Industry

Milano, Italy

September 24th 2014

Energy Department of Politecnico di Milano, building BL25, ground floor

(GoogleMaps: 45.503056, 9.156536)

Organized in the framework of the joint task of IEA SHC Task 49 and Solar Paces IV on “Solar Heat Integration in Industrial Processes”

Background

Based on the IEA Solar Heating and Cooling Technology Roadmap Solar process heat in industry (<120°C) could account for 20% of energy use for low temperature industrial heat by 2050. This would correspond to an installed capacity of 3,200 GWth, producing around 7.2 EJ solar heat per year.

The key industrial sectors with the highest potential are food and beverage, textile, transport equipment, metal and plastic treatment as well as the chemical industry.

The areas of application with the most suitable industrial processes include cleaning, drying, evaporation and distillation, blanching, pasteurisation, sterilisation, cooking, melting, painting, and surface treatment.

The Workshop

The workshop on “Solar Process Heat for Industry” will present the newest developments and insights in the field of collector technology and solar thermal system integration in combination with energy saving measures. Also experience with installed systems will play a major role. Presentations from research institutions, technology suppliers and end consumers will lead to an informative knowledge transfer.

Target Audience

The target audience of the workshop is producing companies, industry associations, representatives of technology suppliers in the field of solar thermal and machineries, and energy consultants.

Program

08:30 - 09:00	Registration and Coffee
09:00 - 09:15	Welcome address and activities at Energy Department of Politecnico di Milano in the field of SHIP <i>Politecnico di Milano, Italy</i>
09:15 - 09:30	Potential of solar process heat and overview on existing solar thermal process plants <i>Christoph Brunner, AEE INTEC, Austria</i>
09:30 - 09:45	Solar thermal heat for Swiss dairies - monitoring results <i>Elimar Frank, SPF, Switzerland</i>
09:45 - 10:00	4.6 Mio. pints of beer with the power of the sun <i>Bettina Muster-Slawitsch, AEE INTEC, Austria</i>
10:00 - 10:15	Solar thermal program for German laundries <i>Werner Platzer, Fraunhofer ISE, Germany</i>
10:15 - 11:00	Solar companies and their experiences <ul style="list-style-type: none">○ <i>Robert Söll, SOLID, Austria</i>○ <i>Stefan Minder, NEP Solar, Switzerland</i>○ <i>Christian Zahler, Industrial Solar, Germany</i>
11:00 - 11:30	Coffee break (collection of perspectives, ideas and questions of the participants)
11:30 - 12:00	Group work
12:00 - 13:00	Plenary Discussion