

THERMAL TECHNOLOGIES FOR THE ENERGY TRANSITION

30/03/2023, 1:30 pm CET
Volta-X, Stuttgart / Online
Language: English

**Part 1/ Decarbonizing Industrial Processes with
Thermal Technologies**

**Part 2/ Potential of Thermal Technologies for
Heat and Power Infrastructure**

In cooperation with:



March 30 2023, 1.30 pm - 5.00 pm CET

If you are interested in joining our event, please register [here](#)

The heat sector is often referred to as the “elephant in the room”. However - a broad range of technologies is already available on the market to tackle this problem. Thermal technologies like concentrated solar power and thermal energy storage are key for decarbonizing energy systems. They enable the reliable provision of green heat, contribute to increasing energy efficiency and provide flexibility for both the heat and power sectors. During the event we will discuss the stepstones to creating a better environment for investments and project development, discuss policy recommendations and showcase successful projects.

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Conference / 30/03/2023

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Programme

Welcome & Introduction

1.30 pm – 2.00 pm CET

Opening & Moderation: Juliane Hinsch, DCSP e.V./ Beatrice Schulz, BVES e.V.

Keynote:

Michael Taylor, Senior Analyst, International Renewable Energy Agency IRENA

Part 1: Decarbonizing Industrial Processes with Thermal Technologies

2.00 pm – 3.30 pm CET

Industrial process heat alone amounts to about a fifth of global CO2 emissions. There is an urgent need for thermal solutions like thermal energy storage and concentrated solar power. These technologies as part of a hybrid technology portfolio enable to efficiently provide process heat from renewable energy at the demanded time of day and at a process-fitted temperature level.

Keynote:

2:00 pm **Scenarios and Technologies for the Heat Transition in Industry**
Dr. Peter Nitz, Head of Department High Temperature Solar Thermal and Industrial Processes, Solar Process Heat and Industrial Systems, Fraunhofer ISE

Best Practices

02:15 pm **Solar Process Heat for the Beverage Industry**
Lara Stamm, Sales Engineer, Protarget AG

Greening process heat with thermal energy storage – a solution for the chemical industry
Peter Kordt, CEO, LUMENION GmbH

Panel discussion

Electrification of High-temperature Process Heat: Solutions for the Food Industry
Dr. Susanne König, CFO, Kraftblock GmbH

High-temperature Thermal Energy Storage for Industries
Ville Pentti, Head of Sales Europe, Rondo Energy Inc.

Industrial Cooling based on High-temperature Solar Thermal Parabolic Trough Collectors (PTC)
Dr. Ahmet Lokurlu, CEO, Soliterm Group GmbH

Panel discussion

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Part 2: Potential of Thermal Technologies for Heat and Power Infrastructure

3.30 pm – 5.00 pm CET

With proceeding energy transition and an increasing share of renewables in the grid, there is a growing need of flexibility and grid stabilizing options. Thermal technologies provide cost-effective solutions to decarbonize and enable stable renewable energy provision and network infrastructure in both heat and electricity.

Keynote:

03:30 pm **Flexible sector coupling of heating and power infrastructure – what options do we have?**

Prof. Dr.-Ing. Annelies Vandersickel, Head of Department Thermal Process Technology, DLR - German Aerospace Center

Best Practices

03:45 pm **Use Case Examples for Concentrated Solar Heat and Power**
Johannes Kretschmann, Projects Director, Fichtner GmbH & Co. KG

Concentrated Solar Power (CSP) dries Phosphate and produces Lithium for Batteries
Alf Oschatz, Managing Director, sbp sonne GmbH

Panel discussion

Carbon Neutral Heating: Exploring Sector Coupling Strategies for Municipalities
Lena-Marie Brenner, Team Leader Development of Renewable Sector Coupling and Heat Projects, GP JOULE GmbH

Green Heat Module: The eThermal Battery for retrofitting CHP plants with PV and Wind
Johannes Schrüfer, Lead of Green Tech Development & Special Projects, Kraftanlagen Energies and Services GmbH

Use of Concentrating Solar Thermal in Industries and in District Heating Systems
Dr. Joachim Krüger, CEO, Solarlite CSP Technology GmbH

Panel discussion

04:55 pm **Closing remarks**

05:00 pm **End of the workshop**

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About:

German Association for Concentrated Solar Power (DCSP)

Since 2013, the German Association for Concentrated Solar Power has been committed to the generation and use of electricity, heat, and fuels from concentrated solar technologies. Its members cover the entire CSP value chain. This ranges from project development and planning, engineering services, component supply and system integration to the ownership and operation of solar thermal power plants and research facilities. The aim of the association is to bundle the strengths and interests of German market participants and to increase international market opportunities.

German Energy Storage Systems Association (BVES)

The BVES is the strong voice of Germany's energy storage industry. As an industry association that is open to all various kinds of energy storage technologies, the BVES represents the whole spectrum: electric, thermal, electro-chemical, chemical, and mechanical energy storage in the energy sectors electricity, heat and mobility. The BVES bundles forces to facilitate the communication between Germany's energy storage representatives and the national as well as international political levels, the administrative levels, science and the public. The BVES also routinely works together with the standard-setting organizations in Germany on the technical issues that are of main importance for the energy storage industry.