



ENABLING ENERGY TRANSITION WITH THERMAL TECHNOLOGIES

31/03/2022

Online (Webex), 14 – 17 h

Language: English

Session 1 / Heat Transition for the Industry:
Heat Supply & Flexibility Options

Session 2 / Power Transition: Flexibilizing
Electricity Supply with Thermal Technologies

In cooperation with:



March 31st 2022, 2.00 pm - 5.00 pm CET

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

Thermal technologies like concentrated solar power and thermal energy storage systems are key for the decarbonisation of the heat and power sector. 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 sector.

Therefore, it is our great pleasure to invite you to the upcoming webinar “Enabling Energy Transition with Thermal Technologies”, organized by the German Association for Concentrated Solar Power (DCSP) and the German Energy Storage Systems Association (BVES) as an official side event to the Berlin Energy Transition Dialogue

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Webinar / 31/03/2022

OFFICIAL SIDE EVENT OF THE



**BERLIN
ENERGY
TRANSITION
DIALOGUE.22**

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Session 1 - Enabling Heat Transition for the Industry: Heat Supply & Flexibility Options with Thermal Technologies

2.00 pm – 3.30 pm CET

The decarbonization of the industrial sector is crucial to addressing global emissions. The industrial process heat alone amounts to about a fifth of global CO₂ emissions. There is an urgent need of green heat. Thermal storages as well as solar process heat can make a significant contribution to the decarbonization of the industry. During the workshop several companies will present their technologies and showcase successful projects.

Programme:

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

Keynote:

02:00 pm Dr. Andreas Hauer, Chairman of the Board, ZAE Bayern & Task Manager, Energy Storage Technology Collaboration Programme, International Energy Agency (IEA)

Projects and technologies

02:20 pm **Thermal Storage:**

- *Electrification of high temperature process heat*
Dr. Susanne König, CFO, Kraftblock GmbH
- *Efficient decarbonisation and enhanced energy security for Industries*,
Dr. Constanze Adolf, Head of Business Development, Lumenion GmbH
- *Supporting Decarbonization at Yara with balancing their steam grids using thermal storage*, Dr. Magnus Mörtberg, Business Development Director, EnergyNest GmbH
- *Mobile heat transport for energy recovery*, Tobias Schmid, CEO, Swilar eetec GmbH

Solar process heat:

- *How to reduce gas consumption: Solar Process heat for industries and utilities – latest developments & projects*, Dr. Joachim Krüger, Solarlite CSP Technology GmbH
- *Solar Thermal Energy – Decarbonizing the Industry*, Lara Stamm, Protarget AG
- *Solar powered cement production*, Carmen Murer, Synhelion SA

03:00 pm **Panel discussion with the audience**

03:20 pm **Closing remarks**

03:30 pm **End of the workshop**

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Session 2- Enabling Power Transition: Flexibilizing Electricity Supply with Thermal Technologies

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. What can thermal technologies provide for the power transition? This workshop will give an insight into the use cases and benefits of thermal technologies in the power sector. Several companies will present their technologies and show case successful innovative approaches and projects that enable a flexible and decarbonized energy system.

Programme:

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

Keynote:

03:30 pm Michael Taylor, International Renewable Energy Agency IRENA

03:50 pm Innovative approaches and projects:

- *How CSP can improve frequency stability of the power grid*, Fabian Petereit, Siemens Energy
- *Renewables with Dispatchable Synchronous Storage to Replace Flexible Gas Fired Power Plants*, Janina Hippler-Nettlau, Senior Project Engineer, Malta Inc.
- *Maximizing Renewable Resources with PtHtP*, Raymond C. Decorvet, Senior Account Executive, MAN Energy Solutions Switzerland
- *IntegSolar: Future Roles of CSP and Thermal Storage in Solar Hybrid Plants*, Luca Schomaker, Suntrace GmbH
- *Decarbonization through Carnot batteries with fixed bed storage*, Nils Gathmann, Senior Lead Engineer Process- Heat storage solutions, Steinmüller Engineering GmbH
- *TUNol Project: Implementation of an integrated industry complex for the commercial-scale production of green methanol with a CSP/ PV hybrid in Tunisia*, Dr. Mark Schmitz, TSK FLAGSOL Engineering GmbH

04:30 pm **Panel discussion with the audience**

04:50 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.