



Official side event of the



BERLIN  
ENERGY  
TRANSITION  
DIALOGUE  
2018

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## **Energy and Heat: Combining CSP, PV and Solar Thermal – A holistic approach for making the most of solar energy**

Within the frame program of the Berlin Energy Transition Dialogue 2018  
<https://www.energiewende2018.com>

**the BSW & the DCSP cordially invite/welcome you  
to our joint workshop**

**19. April 2018, 9 am – 4 pm, Berlin**

**Regent Berlin  
Charlottenstrasse 49, 10117 Berlin**

**If you are interested in joining our workshop, please send an email with  
your contact details to [betd@deutsche-csp.com](mailto:betd@deutsche-csp.com)**

While PV and Solar Thermal have very low energy generation costs, CSP has recently witnessed a dramatic cost decrease. At a price of around 6 €ct/kWh for systems with integrated storage the technology can now complement fluctuating renewables in sun-belt countries. All three technologies can be used to provide electricity or heat / cooling for different applications or temperature levels at competitive costs.

Within this context the workshop will focus on comprehensive solar solutions, especially the combination of PV, CSP, solar thermal, solar-biomass hybrids and new storage technologies. It will provide an overview of best practice reports on actual projects at allow a stable, low cost energy supply in sun-belt countries.

Two panels will inform the audience about:

- Costs for reliable and flexible solar power from PV-CSP and CSP-biomass hybrids, and advanced thermal storage technologies
- Solar process heat for industries, solar district heating and cooling



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09:00 **Welcome**  
David Wedepohl – Director BSW  
Dr. Joachim Krüger – Chairman of the Board DCSP

**Panel 1 on:**

**PV-CSP hybrids, CSP-biomass hybrids, storage and R&D**

09:20 **Concepts and pricing on PV-CSP hybridization**  
By: Suntrace GmbH

09:40 **PV-CSP, experience from project developer and EPC side**  
By: TSK Flagsol GmbH

10:00 **Innovations of CSP technologies**  
By: schlaich bergemann und partner, sbp sonne gmbh

10:20 coffee break

11:00 **CSP-biomass hybridization; solutions for India & Southeast Asia**  
By: Solarlite CSP Technology GmbH

11:20 **New storage technologies, comparison of battery versus other technologies**  
By: RWT Aachen University

11:40 **Research on concentrating solar technologies**  
By: German Aerospace Center (DLR)

12:00 **Lunch**



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## Panel 2 on:

### Solar process heat for industries, solar district heating and cooling

- 13:20      **District heating in Denmark**  
By: Aalborg CSP
- 13:40      **Solar process heat for industries, solar district heating / cooling**  
By: KBB Kollektorbau
- 14:00      **Energy transition in heat**  
By: Fraunhofer Institute for Solar Energy Systems ISE
- 14:20      **Process heat in industries**  
By: Soliterm Group
- 14:40      **Networking on the floor**  
and discussion, experience exchange
- 16:00      **End of the workshop**



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## About BSW-Solar and DCSP

### **German Solar Association (BSW-Solar)**

The association's mission is to support its members operating around the world in accessing and developing a global market for solar power, solar heat and solar storages. BSW-Solar drives the implementation of solar business models and is a treasure trove of first-hand information, networks and service, unrivalled in its experience with solar energy.

### **German Association for Concentrated Solar Power (DCSP)**

was established in September 2013. Among the members are consulting and engineering companies, manufacturers of components, owners and operators of power plants as well as research institutions. The portfolio covers the whole CSP value chain. The association's objective is to join forces and interests of the market players in Germany and enhance their chances in international markets. In their latest policy paper, DCSP explains the social, economic and environmental opportunities of a global expansion of CSP and how the federal government and parliament can make their contributions to utilize these opportunities.