

POLYSUN WORKSHOPS - September 13th, 2018

- *Open to all registered EuroSun participant*
 - *The Polysun workshops will be held in **German and English***
 - *Please register for the workshop by e-mail at info@velasolaris.com*
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Polysun Workshop 1 (Room 8.U44a):

Boon or Threat to the Energy Revolution – Power to Heat vs. Solar Thermal

8.30 - 12.15

Speaker: Luc Meier (Vela Solaris AG)

Topic:

More and more of the industry buzz is about the „fight for roofs“, a space that can be occupied either by photovoltaic modules or by solar thermal collectors. This workshop will demonstrate how the Polysun simulation software will provide answers to the most pressing questions surrounding this topic.

Polysun Workshop 2 (Room 8.U44b):

How to design a solar thermal system at optimal cost I (Focus on Polysun)

8.30 - 12.15

Speaker: Lars Kunath (Vela Solaris AG)

Topic:

Solar thermal energy offers efficient solutions for numerous thermal uses. Thanks to new dimensioning software, the sun's potential can be exploited to the maximum:

- Optimize efficiency, investment and running costs
- Avoid malfunctions and damages
- Planning reliability creates trust among end customers, system designers and installers

Goals:

1. Energetic planning of entire systems using Polysun
2. Checking and optimizing of different power control system strategies,
3. Calculation of profitability using Polysun

Polysun Workshop 3 (Room 8.U44a):

How to design a solar thermal system at optimal cost II (Focus on THD and HYDRA)

13.30 – 17.00

Speaker: Prof. Dr. Ralf Eismann (FHNW University of Applied Sciences and Arts Northwestern Switzerland)

Topic:

Solar Thermal Energy offers efficient solutions for numerous thermal uses. Thanks to new dimensioning software, the sun's potential can be exploited to the maximum:

- Optimize efficiency, investment and running costs
- Avoid malfunctions and damages
- Planning reliability creates trust among end customers, system designers and installers

Goals:

Participants are able to use Polysun, THD and HYDRA single-handedly and successfully:

1. Energetic planning of entire systems using Polysun
2. Dimensioning of pipes, pump and expansion tank with THD
3. Verify that the system can be vented and is stagnation safe with THD
4. Dimensioning of pipes for large scale systems with HYDRA

Polysun Workshop 4 (Room 8.U44b):

Combine Matlab and Polysun

13.30 - 17.00

Speaker: Marc Jakobi (Vela Solaris AG)

Topic:

Participants of this workshop will be shown how to combine Matlab and/or other tools with Polysun. Based on a simple example, a plug-in controller for a basic solar thermal hydraulic system will be developed.