



**ABSOLICON**  
S O L A R   C O L L E C T O R S

# INVITATION TO SCIENTIFIC SEMINAR IN INSTITUTO TECNOLÓGICO DE CANARIAS

30/11 - 02/12 2022

Gran Canaria Island Spain



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Dear colleagues, you are warmly welcome to participate in scientific seminar that is organized in Instituto Tecnológico de Canarias. You will meet successful companies of Spain and learn about advantages of solar thermal as a source of energy to supply industries with heat.

### WHAT IS SOLAR THERMAL?

Solar thermal energy is the ideal energy source for a range of process stages in an industrial plant. Substantial cuts in energy spending and CO<sub>2</sub> emissions, as well as protection against fluctuating energy costs are some of the benefits that are causing more and more industries producers to investigate the possibilities with solar thermal energy.

A solar thermal energy system captures the heat in solar radiation by letting it warm up a fluid in an array of solar collectors. The fluid, often water or thermal oil, can reach temperatures of up to 160°C and pressures of up to 8 bar. The heat can then either be used for generating steam, or directly in process stages such as mashing, boiling, pasteurization, CIP and bottle washing.

### POTENTIAL BENEFITS INCLUDE:

Substantially lower energy costs Up to 70% of the energy used in an industrial production plant can be replaced with solar energy, resulting in lower OPEX and higher profitability.

#### Reduced CO<sub>2</sub> emissions

Replacing carbon-based fuels with solar thermal energy leads to dramatic cuts in CO<sub>2</sub> emissions. As more and more customers evaluate CO<sub>2</sub> emissions when choosing products, low emissions is getting increasingly important to stay competitive.

#### Protection against rising energy prices

The more fossil energy you replace with solar energy, the more protected your bottom line is against sudden increases in fuel prices.

#### Building your brand

Using solar energy in your production brings new opportunities to build your brand in a positive way by showing active measures to limit your climate impact.

*The participation in scientific seminar is free of charge.*

*Participants will cover their costs of transportation to Gran Canarias and accommodation.*



For questions about the trip, contact project manager:

**Mariia Alipatova**

Email: [maria.alipatova@absolicon.com](mailto:maria.alipatova@absolicon.com)

Phone: +46 764 926 774

**Instituto Tecnológico de Canarias**

[www.itccanarias.org](http://www.itccanarias.org)

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## AGENDA

	DEPARTURE FROM	ARRIVAL TO <b>GRAN CANARIA</b>
Thu 30/11	<b>TENERIFE:</b> 19:00	19:30
	<b>BARCELONA:</b> 16:55	19:15
	<b>MADRID:</b> 17:35	19:30
Social Evening; Hotel night in Gran Canaria		

SCIENTIFIC SEMINAR	Scientific seminar will take place at Instituto Tecnológico de Canarias. Every participant will have possibility to present research or topic, that would like to cover, as well as to broaden own knowledge in solar thermal sphere. What is more, participants of this seminar are representatives of industries in Spain and scientists, which will allow you to make new valuable contacts. <a href="#">ITC LOCATION</a> Please, indicate in registration form if you would like to present your research.
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Fri 01/12	Tour to solar thermal field	Absolicon offers a system-wide solution with maximum collector efficiency and reliable plant operation, which can supply heat, steam, and cooling processes with the same system. Explanation how to integrate solar thermal technology in different industries are: <b>Brewery</b> <b>Diary</b> <b>Chemical</b> <b>Paper</b> <b>Pharmaceutical</b> <b>Textile</b> <b>Solar Cooling</b> <b>District Heating</b>
Dinner; Hotel night in Gran Canaria		

	DEPARTURE FROM <b>GRAN CANARIA</b>	ARRIVAL TO
Sat 02/12	09:45	<b>TENERIFE</b> 10:15
	10:05	<b>BARCELONA</b> 14:20
	10:15	<b>MADRID</b> 14:05

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