



THERMINATOR

MARCH 2026

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NEWSLETTER # 2

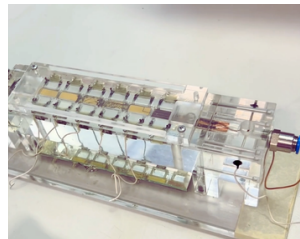
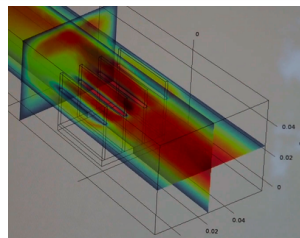


THERMINATOR enters its 2nd year

It's already have been more than a year since THERMINATOR started, back in January 2025 and we are thrill at the progress we are making as we have hit an important milestone :

We have our initial electroacoustic and thermoacoustic design!

The next step is now to construct the separate thermoacoustic and electrocaloric devices. This is planned to be acheived at the end of 2026.



THERMINATOR's Technology

A new page on our website has been created : [The Technoogy page.](#)

This page is already featuring a video presenting our project and partners, as well as a first glance at the involved technology.

Soon, videos about electrocaloric and thermoacoustic videos will be added to this page to create a comprehensive bundle of content putting our technologies under the spotlight.

The aims of those videos will be to share our expertise and knowledge with you to make those complex words sound simple!

ENDEF



Meet our consortium members: ENDEF

ENDEF (Spain) has been working on monitoring photovoltaic (PV) module temperature for the integration of the THERMINATOR harvesting energy technology.

To achieve this objective, ENDEF has carefully selected one bifacial and one monofacial module to measure temperatures in the backside of both panels.

A new installation has been set up on ENDEF's headquarters and is equipped with several sensors to the needed collect to evaluated PV performance and temperature during different times of the year.

The experimental datasets built from this campaign will be used to validate the numerical models under development, which aim to simulate PV panel temperatures under different environmental and weather conditions.

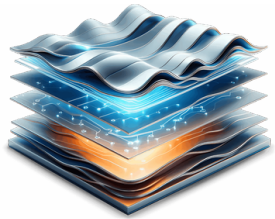


<https://therminator.eu/>



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Our stakeholder Advisor: S'TILE



S'Tile is an independent manufacturer of custom photovoltaic modules. Thanks to its innovations, it has the capacity to supply original modules dedicated to applications such as building integration, autonomous urban and residential furniture, and replacement modules for ground-mounted power plants.

For this activity S'Tile has developed an original expertise based on strong intellectual property (international patents) and an extensive industrial network of subcontractors and supported by a robust supply chain.

The approach is to create a strong differentiation from standard Asian panels and to serve specific markets requiring sizes and characteristics unavailable to mainstream production lines.

S'Tile offers a full range of custom-made modules which can be customized in size, voltage, and transparency to meet specific customer needs.

They are durable and low-carbon. They cover several markets: building integration (rooftops, facades, roller shutters),

stand-alone systems (solar lights, etc.), and also the new market of replacement modules for the repowering or revamping of existing ground-mounted solar power plants.

THERMAG XI 2026

IRR International Conference on Solid State Cooling, Heating and Energy Harvesting

We're pleased to share that the THERMINATOR consortium will present three contributions at the IIR THERMAG XI conference in Ljubljana, Slovenia (7-11 June 2026): one focused on thermoelectric advances, one on thermoacoustic developments, and one on data-driven methods. The presentations are authored by partners from Brunel University London, KIT, and the University of Ljubljana (ULJ), and we're all looking forward to THERMAG XI as a great opportunity to share results, connect with the community, and build new collaborations.

Thermag XI 2026:
<https://www.thermagxi2026.si/>

Sister project under the spotlight: SEEDS



SEEDS - Cost-effective and replicable RES-integrated electrified heating and cooling systems for improved energy efficiency and demand response

SEEDS is a four-year Horizon Europe project aiming to decarbonise buildings through renewable, electrified, and smart thermal systems.

Heating represents nearly 70% of Europe's energy use, still largely based on fossil fuels. SEEDS addresses this challenge by developing cost-effective, replicable, and intelligent solutions that combine energy-efficient renovation, heat pump technologies, and smart HVAC control to enable energy flexibility and maximise the use of renewables.

A consortium of 25 partners from 10 countries is working together to test and validate these innovations in six real-world pilot sites across Belgium, Denmark, Greece, Hungary, and Slovenia, covering different climates, building types, and energy systems. From heritage houses to offices and student dorms, SEEDS demonstrates scalable solutions that support Europe's transition to clean and efficient heating and cooling.

THERMAG XI

June 2026

LJUBLJANA

International conference on solid state cooling, heating and energy harvesting



Community events

- European Sustainable Energy Week (EUSEW) 2026 : 9-11 June 2026 in Brussels and online
- The Euroheat & Power Congress 2026 : 9-11 June 2026 in Krakow
- IEA Heat Pump Conference 2026: 26-29 May 2026 in Vienna



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