



THERMINATOR

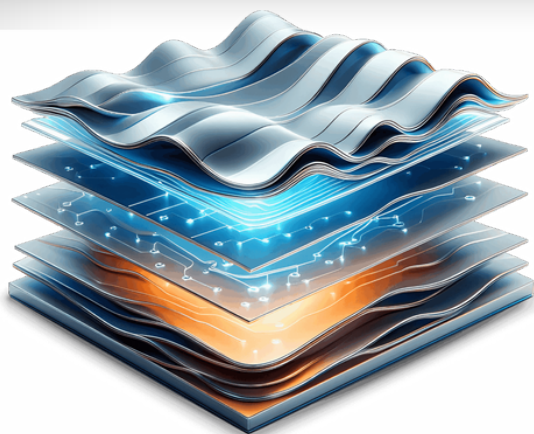
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# NEWSLETTER #1



## What is THERMINATOR?

THERMINATOR [Electro-thermal energy converter using novel combined thermoacoustic and electrocaloric system] project, funded by the European Union under Horizon Europe program and the Swiss SERI, aims to develop a new energy conversion technology in the form of an efficient low-profile energy conversion “skin”. This technology will integrate thermoacoustic and electrocaloric systems to reduce energy loss and improve energy efficiency across various sectors.



## A European consortium

Binging together a consortium of Europe’s top researchers and Tech innovators, THERMINATOR consortium is comprised of:

- **GAC** (France and Romania)
- **ElectroSciences Ltd** (UK)
- **Brunel University London** (UK)
- **Karlsruhe Institute of Technology** (Germany)
- **University of Ljubljana** (Slovenia)
- **ENDEF Engineering SL** (Spain)
- **Ingenieria Especializada Obra Civil e Industrial SA** (Spain)
- **CSEM** (Switzerland).

Each organization contributes unique skills in areas such as material science, industrial manufacturing, and energy system integration.



## Stakeholder Advisory Board

We are inviting dedicated professionals from academia, industry, policy, and innovation sectors to become Advisers—trusted members of our Stakeholder Advisory Board. As part of this group, you’ll contribute valuable insight to guide the development of THERMINATOR’s novel thermoacoustic and electrocaloric energy conversion technology.

**More information available on our Website.**

As an Advisers and Stakeholder Advisory Board member, you will:

- Collaborate with a multidisciplinary network of experts
- Advise on the relevance and application of THERMINATOR’s technology in your sector
- Influence the design of the product in order to integrate the prerequisites and best meet your needs
- Stay connected to the latest advancements in energy efficiency and sustainable innovation



<https://therminator.eu/>



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## Share your insight in the THERMINATOR Survey

We're developing an innovative energy conversion "skin" that combines thermoacoustic and electrocaloric technologies to cut energy loss and boost efficiency in buildings, transport, and beyond. To ensure our solution meets real-world needs, we need your perspective.

The survey takes just 15-20 minutes, is fully confidential, and is open to professionals, policymakers, and anyone passionate about sustainable innovation.

Our survey is available in several languages :

- [Take the survey in English here](#)
- [Take the survey in Spanish here](#)
- [Take the survey in French here](#)
- [Take the survey in German here](#)



## Scientific Library

THERMINATOR highlights its two core technologies:

- Discover the thermoacoustic conversion between mechanical and thermal energy using acoustic oscillations of gas, presented by the KIT team.
  - [Click here to access the article.](#)
- Discover the electrocaloric cooling and pyroelectric energy harvesting showcasing how some solid-state materials can convert between thermal and electrical energy, presented by the ULJ team
  - [Click here to access the article.](#)

## Meet our consortium members: GAC



### About the organisation

GAC Group is a France-based international consultancy specialising in innovation management and EU-funded project coordination. With 200+ experts across Europe, GAC helps organisations turn research into real-world impact through expertise in governance, stakeholder engagement, and innovation policy.

### Role in THERMINATOR

As project coordinator, GAC manages implementation, communication, and collaboration across partners, ensuring strategic alignment, smooth progress, and effective reporting to achieve THERMINATOR's goals.

**THERMAG XI**

**June 2026**

*International conference on solid state cooling, heating and energy harvesting*

**LJUBLJANA**



## Upcoming events

### Consortium meeting in Neuchâtel

Hosted by the CSEM, our next in person meeting will take place in Neuchâtel on October 20th and 21st, 2025.

### THERMAG XI

Our consortium member, the University of Ljubljana, will host the 11th IIR International Conference on Solid State Cooling, Heating, and Energy Harvesting (**THERMAG XI**) from June 7th to 11th, 2026.



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