OCTOBER 2026

# otrera insights NEWSLETTER

## Otrera steps up

Otrera continues to scale up and is reaching new milestones in its development.

Regulation, organisation and industrialisation: the project is moving forward on every key front of its roadmap at once.

Momentum that brings us, step by step, closer to our goal: turning our technology into an industrial reality.

## — OTRERA IN NUMBERS

**8,744**
LinkedIn followers

**17**
International patents filed

**42**
Employees



### New premises

To support our growing teams, Otrera has moved into new, larger premises in Aix-en-Provence, designed for the next stage of our development.

### JAEA: the collaboration continues

On 8 September, Otrera welcomed a delegation from the Japan Atomic Energy Agency (JAEA). Fostering the MoU signed in 2025, the meeting moved forward on the next areas of collaboration on sodium-cooled fast reactors (SFRs).

### Otrera Factory: preparing for industrialisation

Otrera is moving forward with the administrative process to establish its Otrera Factory in the Cotentin, working closely with local stakeholders.

## Otrera in the press

Growing visibility across business, industrial and financial media. Read the press review (in French) →

— REGULATORY

# A new safety milestone

**Pre-licensing review phase** launched with ASNR

Otrera has submitted to ASNR, the French nuclear safety and radiation protection authority, the first documents on the safety options for **Otrera ONE**, its Generation IV reactor.

This marks the project's entry into its third phase of dialogue with ASNR: the regulatory pre-licensing review phase, under Article R.593-14 of the French Environmental Code.

The submission includes an introductory document setting out the context and presenting **Otrera ONE**, the industrial and commercial precursor, together with a technical topical report outlining the first safety options submitted for ASNR's opinion.

Further topical reports will follow through 2027. They will support continued dialogue with ASNR, consolidate design choices and prepare the next regulatory steps.

## 3RD PHASE

of dialogue with ASNR

## 2026-2027

Topical reports timeline

*"This step de-risks the project from a safety standpoint, while also limiting industrial and financial risks."*



*Laurent Costes*

*Head of Safety and Licensing, Otrera*

Otrera Supervisory Board visit

## CEA Cadarache: setting course for sodium testing

Members of Otrera's Supervisory Board visited CEA IRESNE in Cadarache to see the experimental facilities available to support the development of our reactor. Among them is PEMDYN, a CEA electromagnetic pump similar to our primary pump, due to be brought back into service this autumn at Otrera's initiative.





Otrera applies to the European SMR Alliance

## A European platform for sodium-cooled fast reactors

Otrera has officially submitted its application to the **second call for projects of the European Industrial Alliance on SMRs.**

The sodium-cooled fast reactor sector is not yet represented in the Alliance's working groups. Otrera is therefore proposing a European SFR platform, open to European players with skills and expertise in this technology.

The aim: to join forces and bring European sodium reactor know-how together.

otrera insights

INSIDE ENGINEERING

# Behind the scenes of the Otrera reactor design

This summer, Otrera launched Inside Engineering, a new series taking you behind the scenes of our reactor design.

Across three episodes on thermal hydraulics, thermomechanics and structural design, our engineers **Hugo, Benjamin and Lucas** share their expertise and show how calculations, simulations and technical choices gradually shape our technology.

An inside look at Otrera's engineering and the people driving it forward.




## Watch our first 3 episodes:

🔗Watch

**Episode 1: Thermal hydraulics**

Understanding flows and heat transfer, and choosing the right computational tools to produce the data needed for design.

🔗Watch

**Episode 2: Thermomechanics**

Analysing how materials behave under creep and fatigue.

🔗Watch

**Episode 3: Structural design**

Designing structures that can accommodate thermal deformation while ensuring strength, durability and compliance with RCC-MRx requirements.

## — OTRERA ON THE ROAD

**CHERBOURG** - Meeting with the Sub-Prefect of Normandy

**BIARRITZ** - Ingénierie Grands Projets et Systèmes Complexes (IGPSC)

**MARSEILLE** - French Tech Aix-Marseille - Le Grand Bain

**LYON** - Séminaire des Industriels et petits réacteurs innovants

**PARIS** - 2nd GIFEN International Day / Ambition Europe

**LAUDUN-L'ARDOISE** - Forum Provence Occitanie Proactive (POP)

**AVIGNON** - International Youth Nuclear Congress (IYNC 2026)

**FRANCE**

**AUSTRIA**

**VIENNA** - 70th IAEA General Conference

**GERMANY**

**KARLSRUHE** - NEA NextGen Nuclear Leaders Summer School

**POLAND**

**WARSAW** - GIFEN Poland Roadshow

**SAVE THE DATE: Otrera will be at WNE 2027!**

7 to 9 December 2027 - Paris Nord Villepinte Exhibition Centre

**Otrera is on Instagram too!**

Events, team moments, behind the scenes…

The highlights of life at Otrera, in pictures.

👉 Follow us at @otrera_newenergy