



Press release

Paris, 26 August 2025

CEA and Calogena have signed a letter of intent to conduct studies on the potential installation of a Calogena SMR in Cadarache

Calogena and the CEA have signed a letter of intent to examine the potential installation of a Calogena module at the CEA's Cadarache centre, as well as its possible connection to the centre's heating network. An area has been selected for assessing the feasibility of installing the Calogena module at this location.

Calogena, a subsidiary of Group Gorgé, is developing a small modular reactor (SMR) with a thermal power of 30 MW called "CAL30", specifically designed to supply urban heating networks with carbon-free energy. Calogena was selected in 2023 as part of the "Innovative Nuclear Reactors" call for projects under the aegis of the French government via the "Secrétariat Général Pour l'Investissement" (SGPI), in order to support the development of nuclear technologies.

The use of nuclear energy is now being considered internationally for heating solutions to address a market that is heavily dependent on the combustion of CO₂-emitting fossil fuels (gas, coal).

The CEA, a public research organisation, plays a key role in nuclear innovation, notably by supporting the French industrial sector, major research programmes and, more recently, by assisting the winning projects of France 2030 in their development and industrialisation. The CEA centre in Cadarache, located in Saint-Paul-Lez-Durance (Bouches-du-Rhône), is dedicated to research platforms and technological development in carbon-free energies (nuclear fission, nuclear fusion, solar, bioenergy, biotechnology, hydrogen).



About the CEA

The CEA is a major player in research, serving the State, the economy and citizens. It provides concrete solutions to their needs in four main areas: energy transition, digital transition, technologies for the medicine of the future, defence and security.

Located in Provence-Alpes-Côte d'Azur, in the commune of Saint-Paul-lez-Durance, the CEA-Cadarache centre is at the heart of the energy transition with its research institutes and experimental platforms in the field of low-carbon energies: nuclear energy (fission, fusion), bioenergy and solar energy. In addition to this research, the centre is involved in activities relating to nuclear propulsion for the French Navy, fundamental research in biosciences and biotechnologies, studies on the decommissioning and remediation of nuclear facilities, and nuclear safety. CEA-Cadarache has 2,600 employees and is home to internationally renowned research facilities: the Jules Horowitz Reactor (RJH) currently under construction, the WEST/Tore-Supra tokamak, a test bench for Iter, and the Cité des Energies. For more information: www.cea.fr

About Calogena

Calogena is a subsidiary of the Gorgé industrial group, which specialises in high-tech industries and is driven by a strong entrepreneurial culture. Calogena was founded in 2021 with a unique mission in response to the challenge of energy transition: decarbonising heating networks. In order to provide a solution on a scale commensurate with the problem, which can be deployed on a large scale, Calogena is developing a low-power boiler powered by nuclear energy. Its main benefit is a significant reduction in greenhouse gas emissions for heat production. Its compact, simple and safe design enables Calogena to aim for the fastest possible deployment, as early as 2030.

For more information, visit www.calogena.com

CEA press contact

Aurélia Garaud
Tel. +33 (0)6 76 27 46 11
aurelia.garaud@cea.fr

Calogena press contact

PLEAD Agency - Victor Fraichard
Tel. +33 (0)6 42 02 28 46
victor.fraichard@plead.fr