

CALOGENA BECOMES THE 1st SMR WITH A COMMERCIAL FUEL

Calogena has completed the developments that will enable it to choose the fuel most commonly used by the French nuclear industry: a "rod" type fuel, a tried and tested solution. This choice positions Calogena as one of the most mature projects in technological and industrial terms. The company aims to be the first to operate a mass-produced SMR in France, based on an existing supply and reprocessing chain.

The Calogena nuclear power plant will use a shortened version of the fuel rod used in most of the world's power reactors and in all of France's nuclear power plants. Using 3.4% low-enriched uranium pellets and the same structural elements, the Calogena fuel will measure around one metre in length, compared with around four metres for the fuel used in large power plants. Its life cycle is part of an operational and industrially proven production chain.

Calogena has finalised these developments with the help of the major French industrial players in the sector, Framatome and Orano, who contributed to the technical and industrial analysis of the options considered. The rod fuel will enable safe, efficient and competitive operation.

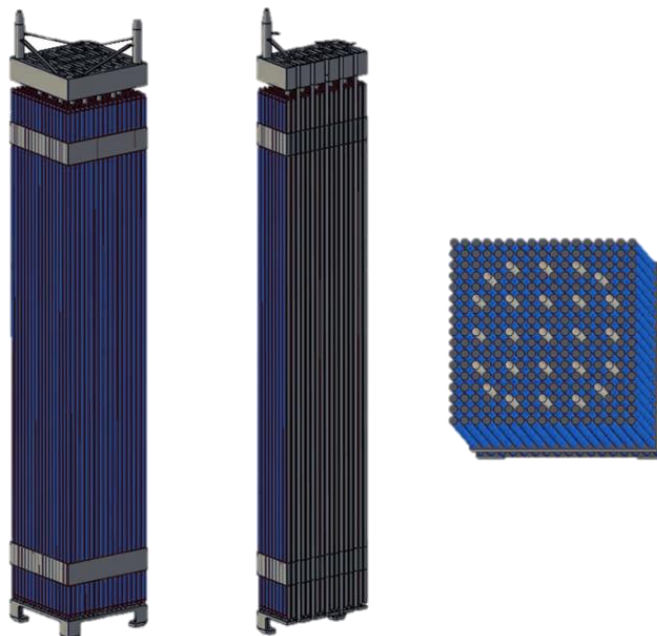


Diagram of the Calogena "rod" fuel assembly



Uranium pellets used in fuel rods

The existence of commercially available fuel in France reinforces the industrial viability of the project and the ability to deploy it rapidly thanks to three major advantages:

1. **A technically and technologically mature fuel** backed by decades of experience in its use;
2. An **established industrial ecosystem** for the manufacture of this fuel, based on existing production plants in France;
3. An **existing reprocessing chain**.

As a result, Calogena is confirming its realistic schedule of starting construction of its first production SMR in 2030. The company will submit its safety option file (DOS) to the French Nuclear Safety Authority (ASN) before the end of 2024.

Calogena addresses the crucial challenge of decarbonising district heating, a sector that is still heavily dependent on fossil fuels in France and Europe, and will thus make a major contribution to the energy transition.



About CALOGENA

Calogena was created in 2021 with a unique mission to meet the challenge of the energy transition: decarbonising heating networks. To provide a solution on the scale of the problem that can be deployed on a large scale, Calogena is developing a low-power boiler plant powered by nuclear energy. The benefits include a significant reduction in greenhouse gas emissions from heat production, as well as reliable, competitive and sovereign production of heat. Thanks to its compact, simple and safe design, Calogena is aiming for the fastest possible deployment, from 2030.

[For more information, visit www.calogena.com](http://www.calogena.com)

About GORGÉ SAS

Gorgé SAS is a diversified industrial group specialising in high-tech businesses and driven by a strong entrepreneurial culture. The group operates industrial and technological activities in several cutting-edge fields: navigation systems and maritime robotics, through the listed company Exail Technologies; protection of high-risk sites; engineering and risk management consultancy; 3D printing, through the listed company Prodways Group. Gorgé SAS is also involved in private equity to support entrepreneurs in their expansion phase. Groupe Gorgé companies generate sales of €540 million and employ 3,600 people.

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