



About *newcleo*:

Launched in:



SEPTEMBER 2021

600+ employees

up to **1000** employees by the end of 2024

 presence across **Europe**





25+ YEARS OF RESEARCH



14+ PATENTS

RAISED €400 MILLION



An innovative nuclear energy company

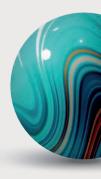
Launched in September 2021, *new*cleo is an innovator in the field of nuclear energy with a total raised capital of €400m.

We are pioneering the combination of proven reactor technologies with new developments, and the closing of the fuel cycle to deliver **safer, cleaner, and reliable energy** at a competitive cost.

Under the leadership of our visionary co-founders, senior team and board of directors, we are aiming to build a **new industrial standard** in nuclear energy with the best possible safety and sustainability levels.

With offices, experimental centres and production facilities in **Italy**, **UK**, **Switzerland** and **France**, we have a global mindset at our core.





Reducing the environmental impact of nuclear fission and providing safe and clean energy

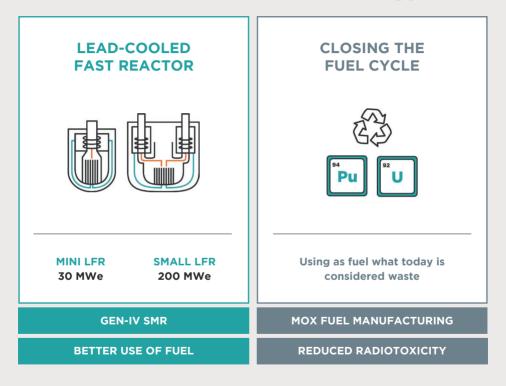
Meeting the world's **growing energy needs** is one of the main challenges for the coming years. Nuclear fission can provide safe, clean and reliable power for humanity. We are working to further **reduce the environmental impact** of energy production.

Our reactor will significantly increase fuel efficiency, enhance safety at a competitive cost and have the capability to **use as fuel the byproducts** already produced by the existing nuclear plants.

Our machines are **Generation IV** reactors, the reactor technologies internationally recognised as the next step in the **evolution of nuclear power plants**.

The EU Commission included innovative nuclear technologies like ours within the perimeter of the **EU Taxonomy** of environmentally sustainable economic activities.

The time has come to take action and invest in the future of nuclear energy



Our LFR-AS-30 demonstrator winner of "Innovative nuclear reactors" call for projects financed by the **France 2030** investment plan.



newcleo's technology

newcleo's approach is based on existing, accessible technologies and the best choices in terms of **safety and sustainability.** This means:

- very high levels of safety ensured by our passive safety systems and the properties of lead: working at atmospheric pressure, chemical, shielding, thermal properties and more. Also, it enhances thermal efficiency
- our fast reactors use as fuel the byproducts of the current nuclear industry, eliminating the need to mine uranium for hundreds of years and significantly reducing the high-level nuclear waste volume, otherwise headed to a geological repository
- Small Modular Reactors enable plant manufacturing, reducing costs and project risks. They swiftly meet the commercial demand for small generating units, such as for islands, remote communities, industrial uses, or a more flexible grid integration



Delivering decarbonised power at scale:

OUR FAST-PACED PLAN



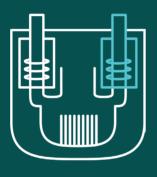


2026 PRECURSOR

non-nuclear industrial prototype

2030 AS-30

30 MWe nuclear reactor and demonstrator



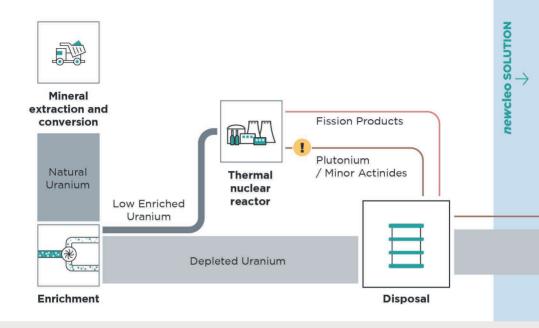


2032 AS-200

200 MWe First-Of-A-Kind (FOAK) reactor

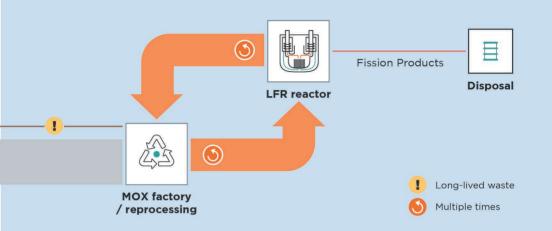
2032 TL-30

30 MWe nuclear closed reactor, also for maritime use



MOX fuel manufacturing

*new*cleo is aiming to establish MOX fuel manufacturing: advantages include the ability to extract energy from the current nuclear industry byproducts, and to support energy independence.



MOX fuel consists of:

Depleted uranium, a byproduct of the enrichment process of today's reactors, which finds little use today.

Plutonium, for years extracted from spent nuclear fuel as it was considered an asset for future generation of fast reactors, like ours.



A positive company culture and a strong sense of belonging

Our company is new, yet has a very ambitious reason to exist: to change the world by providing it with clean, safe, virtually inexhaustible and sustainable energy. To achieve this, **we need to work together** in harmony to build the project, but also to build a solid company culture. Company culture is the way we express goals through our vision and beliefs; it is in effect our company's personality!

Each of our colleagues is a company ambassador in small and big ways, and we all share into our collective value and behaviours we aim to represent every day.

VISION

We feel the moral and scientific imperative to progress the nuclear industry, setting a new energy generation standard for the benefit of humanity and the environment

Spirit of Collaboration How we run our business Standard of Excellence How we develop our projects Focus on Care How we behave



Aiming to build global manufacturing capabilities

newcleo's industrial development strategy

Less than two years since its launch, *new*cleo actively started pursuing a targeted acquisition strategy to incorporate key companies with strong capabilities in nuclear engineering, manufacturing and waste management.

Adding know-how, elements of supply chain support, consolidated skills and strong track records will ground *new*cleo's industrial delivery and enhance the self sufficiency of our company.

Enhancing businesses expansion, integrating activities

newcleo intends to expand existing skills and services, supporting its development programme with investments. Reinforcing available facilities and adding the existing customer contract portfolio will generate revenues and ultimately benefit the whole company.

Grounding our project

At the same time, acquired businesses will become integral to *new*cleo's plans, developing and delivering crucial services for our projects' deployment.

In 2023 *new*cleo started the acquisition of two Italian companies, Servizi Ricerche e Sviluppo (**SRS**) and **Fucina Italia**, as well the French-Swiss group **Rütschi**.



Our growing team

From 0 to 600 in two years, our community of innovators is set to grow to 1000 by the end of 2024.

Our entrepreneurial and creative culture encourages continued personal and professional development. The future success of our company depends on a unique blend of deep experience and fresh mindsets.

The future belongs to those who have the energy to imagine it. And build it.

Find out more newcleo.com



