

# GEN ENERGIJA, D.O.O.



## MEET GEN ENERGIJA

The GEN Group is the leading regional implementer of the transition to a self-sustaining and low-carbon electric power grid based on nuclear energy and renewable sources.

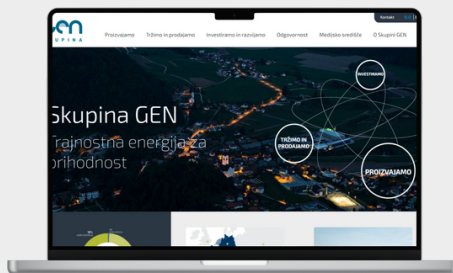
GEN energija, 100% owned by the state, is the holding company of the GEN Group, connecting production companies across Slovenia: Nuklearna elektrarna Krško, Savske elektrarne Ljubljana, Hidroelektrarne na Spodnji Savi and Termoelektrarna Brestanica. With the GEN-I company, the GEN Group is active in the wider European area.

We are implementing our Strategic Development Plan for the period 2024 to 2030, focusing on three pillars:

- **reliable energy supply to customers,**
- **investments in nuclear technologies, and**
- **investments in renewable energy sources, flexibility, and advanced energy services.**



**MORE ABOUT GEN ENERGIJA**  
[www.gen-energija.si](http://www.gen-energija.si)



## OUR PROJECTS AND EXPERTISE

# JEK2

**JEK2 project** – The GEN Group's core strategic development project is the construction of a second nuclear power plant unit to facilitate long-term energy independence.

## GEN ENERGIJA AND SMRs

GEN's key strategic objectives include ensuring a stable and secure electricity supply while reducing import dependency, as well as developing nuclear energy in Slovenia by managing the project of constructing a second nuclear power plant unit, JEK2.

As the leading promoter of new nuclear technologies in Slovenia, GEN has initiated several strategic tasks focused on SMR technologies. For this purpose, GEN formed a team to monitor new technologies, prepare feasibility studies on SMR technologies—emphasizing the most developed technologies—to determine their suitability for use in Slovenia and identify potential locations for their implementation.

The first step in this process is the Request for Vendor Information process, which will enable us to systematically gather all the necessary logistical, economic, and technical information to evaluate the feasibility, opportunities, and identify suitable locations and business models for SMR power plant deployment in Slovenia.

**SMR project** – Provides a framework for the development and implementation of SMRs and new nuclear technologies in Slovenia, promoting sustainable energy transition, raising awareness in the field of nuclear technology, and supporting technological innovation.

# GEN ENERGIJA IN THE EUROPEAN INDUSTRIAL ALLIANCE ON SMRS

GEN energija participates in the following TWGs:

-  **TWG1: Industrial Applications**
-  **TWG2: Technology and R&D&I**
-  **TWG8: Financing**

GEN is participating in the TWG meetings and successfully gaining new knowledge in the field of SMR. We are eager to engage in smaller technical working groups that are starting to form within TWGs.

**GEN is hoping that alliance will accelerate:**

- The development of SMRs in Europe
- The development of guidelines and requirements
- The implementation of demonstration projects in Europe

Monitoring the further development of SMR technology and analysing the possibilities for its application in Slovenia is of strategic importance. By establishing strategic partnerships, supporting research, and conducting necessary studies to assess the feasibility of implementing this technology, GEN will ensure informed decision-making regarding future energy investments in Slovenia.

## WHO WE ARE

ENERGY SECTOR (GENERAL)

SMR ADVOCATES & PROMOTORS

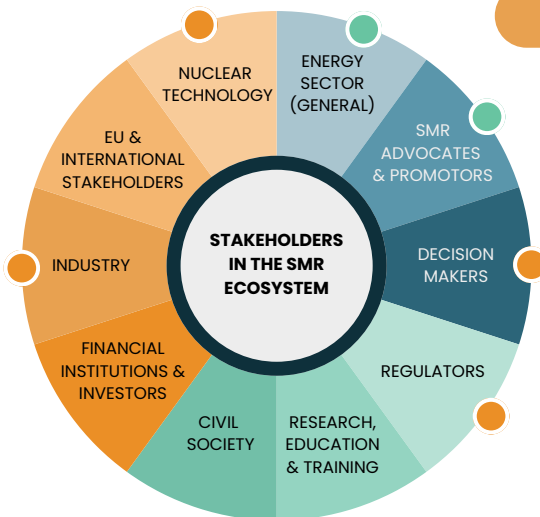
## OUR KEY STAKEHOLDERS

NUCLEAR TECHNOLOGY

DECISION MAKERS

REGULATORS

INDUSTRY



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