

An aerial photograph of a large industrial or energy project site, identified as JER2. The site is situated in a rural landscape with green fields and a winding river. A prominent feature is a large, white, hourglass-shaped cooling tower. Other structures include a large rectangular building, a parking lot, and various smaller industrial buildings. The background shows rolling hills under a clear sky.

Government activities in support of JER2 project

Danijel Levičar, Office of the Prime Minister
Krško, 6. 3. 2024

Content

1. International and local context of nuclear energy
2. Project status
3. Government activities in support of JEK2
4. Parliamentary Resolution „Nuclear Energy for the Future of Slovenia“

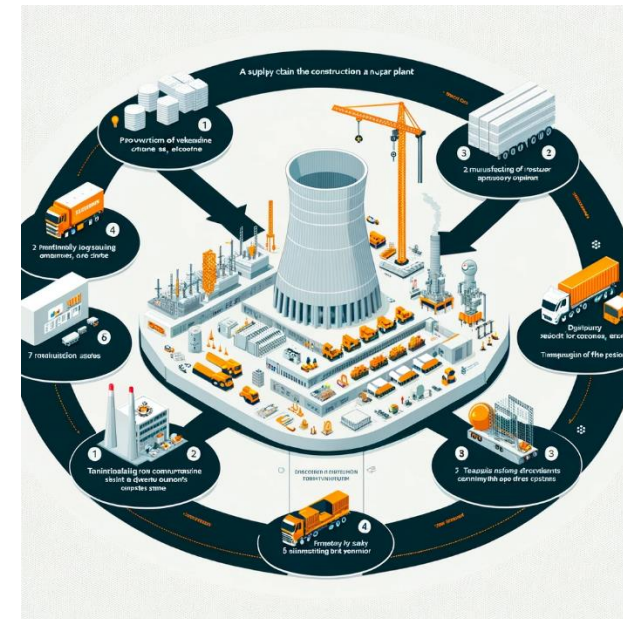
International context of nuclear energy

- Overview:
 - EU: 100 Rx in operation - ¼ of electricity
 - World: 412 Rx in operation and 58 under construction
- New attitude towards nuclear energy – COP28 (Tripling of nuclear - Declaration)
- SLO member of EU Nuclear Alliance
- EU support framework: Taxonomy – nuclear is sustainable source, NZIA, Energy market reform
- Challenges: financing, people, supply chains

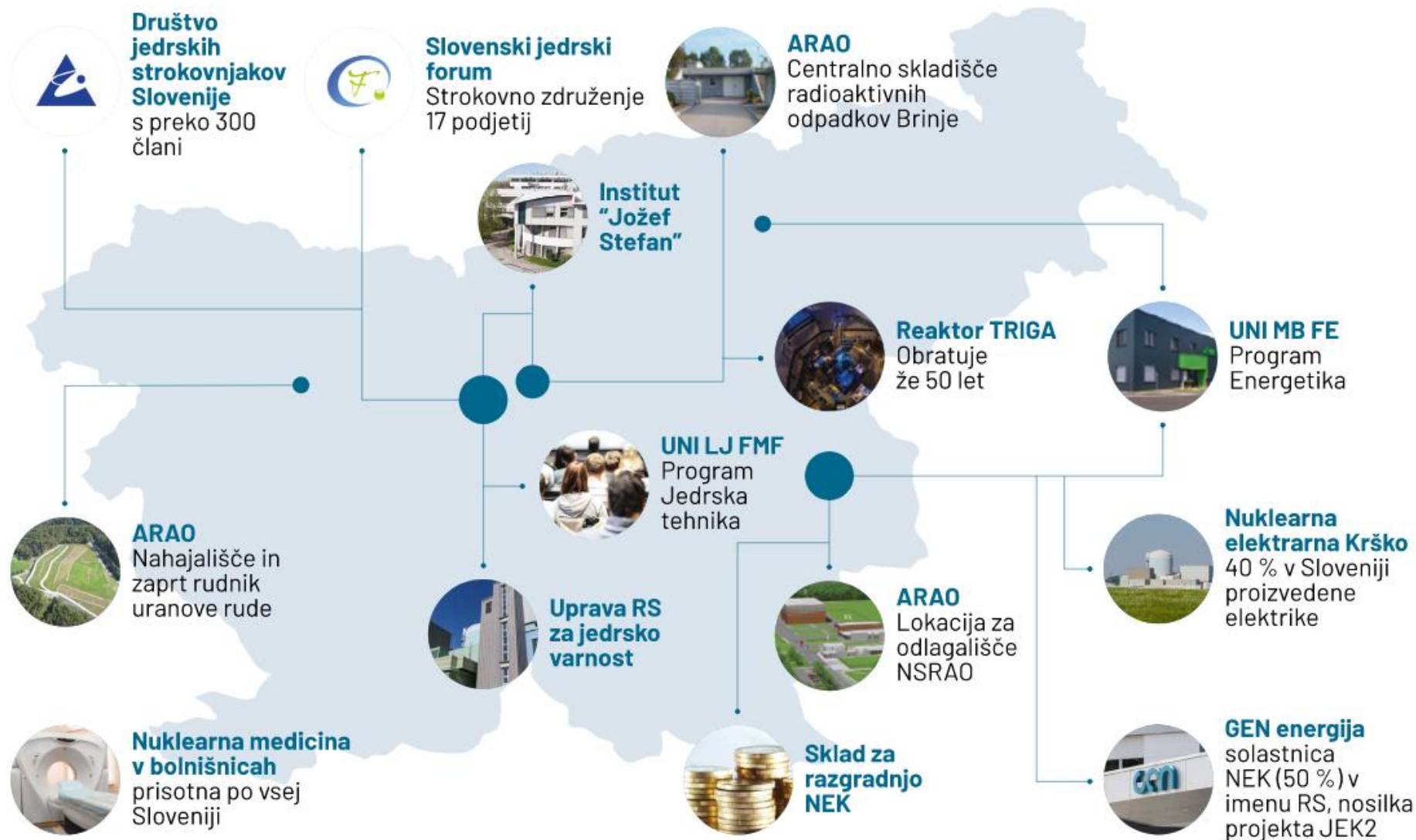


Why are supply chains important

- Reliable supply chains support „on time and on budget“ projects
- Project localization=> economy growth
- Maintain stability of nuclear sector
- Innovation and technology development
- Company opportunity



Slovenia has a developed nuclear programme



NEK – over 40 years of positive experience

Ownership: **GEN Energija 50 %, HEP 50 %**

Operator: **Nuklearna elektrarna Krško**

Technology: **Westinghouse PWR (ZDA)**

Reactor Type: **pressurized water reactor (PWR)**

Construction permit: **1975**

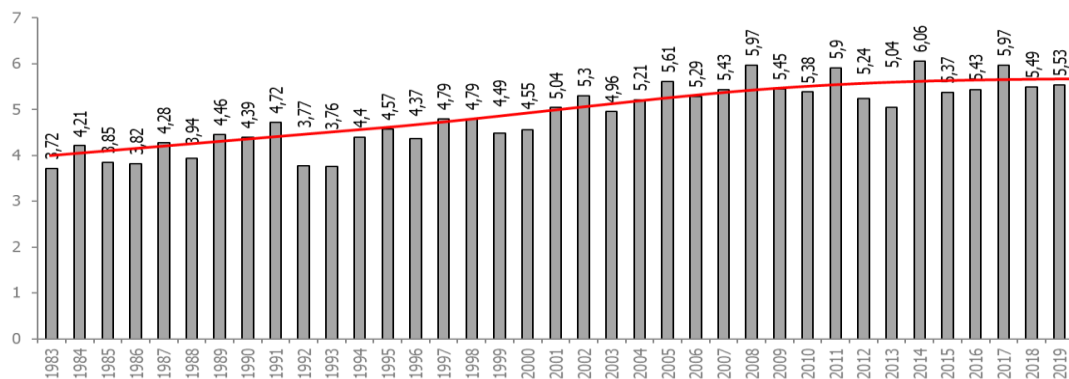
First criticality: **1981**

Commercial operation: **1983**

Lifetime extension: **40+10+10 let (2043)**

Employees: **630**

Rated power: **727 MW**

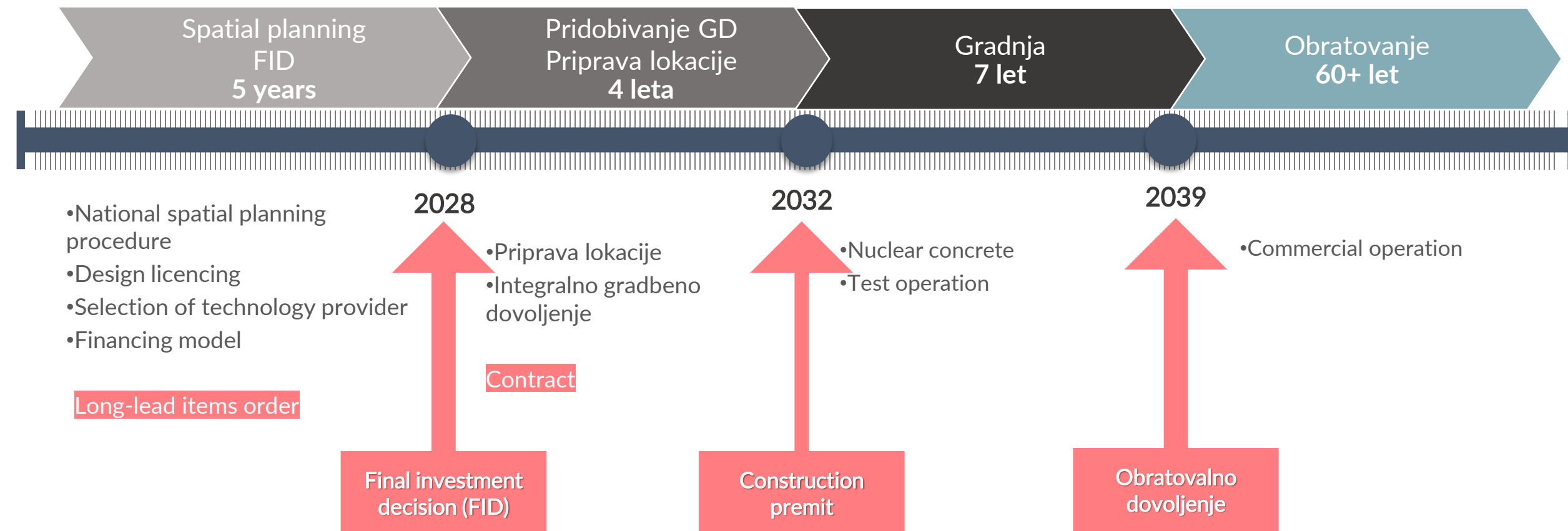




JEK2 ID

- Investor: GEN energija
- Location: upstream (west of) NEK
- Technology: 3+ gen
- Rated power: **up to 2.400 MW**
- Lifetime: 60+ years
- Energy permit issued in 2021

JEK2 project timeline



JEK2 is a strategic project with high priority

- Government visit in Krško (June 2023)
- Nomination of State Secretary for Nuclear Programme Development and Acceleration of JEK2 project (August 2023)
- Government working group for Coordination of JEK project (September 2023)
- Resolution on Longterm Peaceful Use of Nuclear Energy in Slovenia (October 2023)
- Scenario JEK2+RES as priority scenarion in Energy Strategy (NEPN)
- **PM meeting from 30.1.2024 – political unity on the future of nuclear in Slovenia**

Resolution on Longterm Peaceful Use of Nuclear Energy in Slovenia – Decision in Principle

1. International practice: Finland, France, Poland
2. First high level nuclear programme with nuclear policy
3. Political support for development of nuclear programme and newbuild projects in Slovenia
4. Stakeholders signal to change into development mode
5. Foundation for referendum

Conclusions

- Slovenia is a nuclear state with developed programme
- JEK2 is a strategic project with high priority
- Nuclear supply chains are important for:
 - Optimal and effective project realisation
 - Project localization
 - Opportunity for companies



Thank you!