

All for Power Conference 2023

Development of Polish nuclear power Polskie Elektrownie Jądrowe

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POLSKIE ELEKTROWNIE JĄDROWE (PEJ)

The company is fully and directly owned by the Polish state



Polskie Elektrownie Jądrowe sp. z o.o. is a company responsible, among other things, for preparing the investment process for the construction of the first Polish nuclear power plant with a capacity of up to 3,750 MWe.



The Plenipotentiary for Strategic Energy Infrastructure exercises supervision over energy entities and key investments in energy security on behalf of the State Treasury.



The development of nuclear power is **one of the pillars of Poland's energy transition**, which involves construction of safe and modern Generation III(+) PWR nuclear reactors.



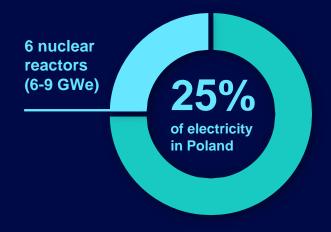
By 2043, Poland's nuclear power plants will produce **around 25% of its electricity**, guaranteeing a stable supply of clean energy to millions of homes across the country.



OUR GOALS

Our main goal

Construction of 6 nuclear reactors (6-9 GWe) securing 25% of the electricity needed in Poland by 2043



Sub-goals

- Construction of the 1st nuclear power plant in Poland by 2033 (3,75 Gwe)
- Implementation of Nuclear Culture in the organization
- Contribution to develop nuclear value chain and expertise in Poland



SPECIFICS OF NUCLEAR PROJECTS

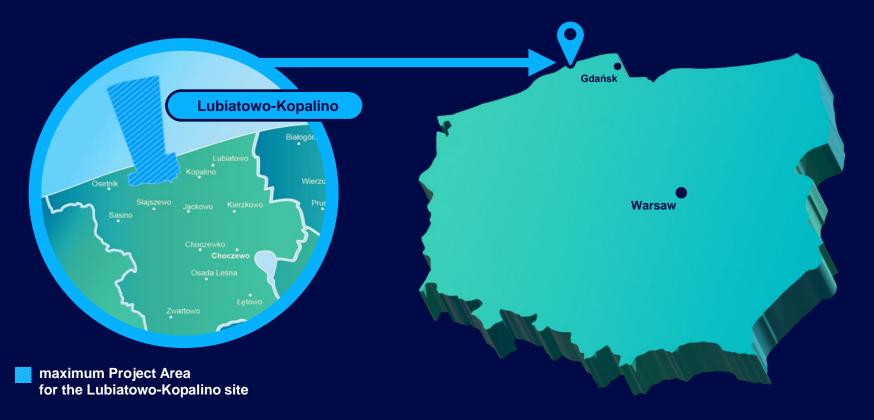




THE FIRST PHASE – 2033



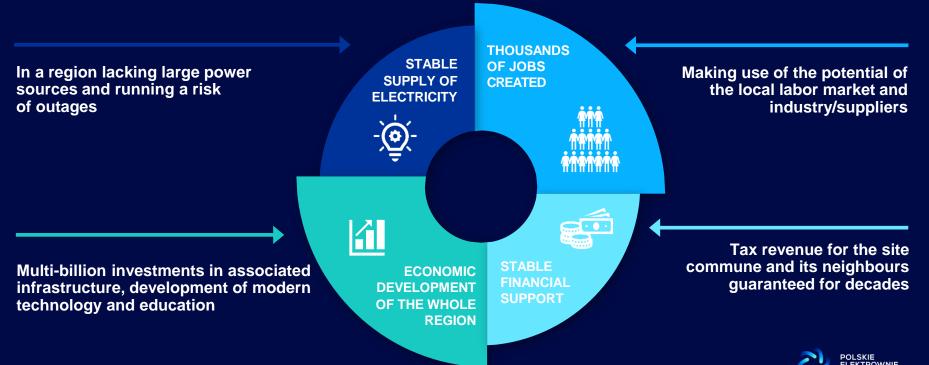
SITE FOR 1ST POLISH NPP



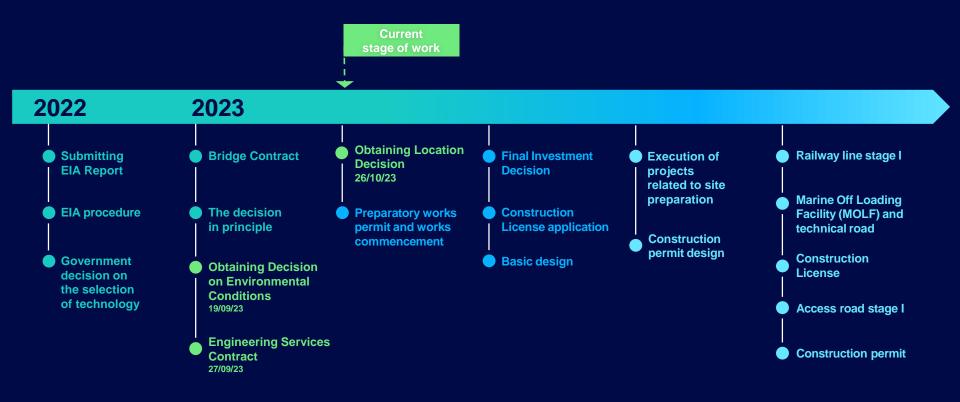


POLISH NUCLEAR POWER PLANT WILL HAVE A SIGNIFICANT BENEFITS FOR THE REGION

Benefits from construction of a nuclear power plant for Pomerania



FRAMEWORK SCHEDULE





KEY RECENT MILESTONES - SEPT 20, 2023

Signing the **Consortium Agreement** between Westinghouse and Bechtel



KEY RECENT MILESTONES - SEPT 27, 2023

Signing the Engineering Services **Contract** with the Westinghouse and Bechtel consortium

Subject

Design of the main components of the nuclear power plant:



nuclear Island







balance-of -plant



CONTRACT EXECUTION

Design works in cooperation with Technology Vendor and General Contractor



6 months contract negotiations

18 months contract duration

400 products result of engineering works



DURING THE ESC EXECUTION, THE EFFORTS WILL BE MADE TO INCORPORATE AND DEVELOP LOCAL ABILITIES

- ESC aims to provide detailed plans of acquiring the necessary equipment, components and services – this will be developed by both Consortium and PEJ
- In the processes carried out during the ESC, there will be effort made to allow for the participation of the local companies in areas of design, permitting, physical works, services and mock-ups
- Key is providing the opportunity to Polish suppliers to particiapte in procurement processes run by the Consortium
- There is also a large scope in the Owner's Responsibility and PEJ will be running procurement processes to engage the suppliers





ASSOCIATED INFRASTRUCTURE: EXTERNAL PARTNERS DEVELOPING KEY PROJECTS

Project name	Responsibility
The main access road to the NPP	D GDDKIA
Railway line	PKP POLSKIE LINIE KOLEJOWE S.A.
Marine Off Loading Facility (MOLF) with a technical road	A CONTRACTOR OF
Transmission lines to evacuate power from the NPP to the National Power System	Polskie Sieci Elektroenergetyczne

20th June 2023 – financing from the state budget was secured for the NPP1 associated infrastructure carried out by:

- GDDKiA access road
- ▶ PKP PLK railway line
- UMG (Maritime Office in Gdynia) MOLF

by the resolution adopted by the Council of Ministers on the establishment of a multiannual program.

19th July 2023 – PEJ signed a cooperation agreement with UMG (Maritime Office in Gdynia) for the MOLF construction.



Many of these projects will also be accessible to locals and tourists, and some of them are expected to be operating before construction of the nuclear power plant begins (2026).



RESULTS OF POLLS ON SUPPORT FOR THE CONSTRUCTION OF NPP THE LUBIATOWO-KOPALINO VICINITY

Opinion survey results for site communes and neighboring communes in 2022

A poll conducted between November and December 2022 shows 75% residents of local communes in favour of the construction of nuclear power plants in their direct neighborhood.



To date, 12 waves of opinion polls were conducted on a local level, which each time confirmed a high support for the construction of a nuclear power plan in the neighborhood. Results of an opinion poll ordered by Polskie Elektrownie Jądrowe and conducted by PBS Sp. z o.o.



PEJ NEXT STEPS IN 2023

Year 2023 is crucial for the development of first Polish nuclear power plant



Progressing with permitting process including location decision and obtaining required technical conditions from TSO

Building internal capabilities to become an **intelligent customer** and ultimately operator



Start executing ESC with Consortium to develop the **Concept Design** and prepare for next phases/project execution



Close cooperation with regulators PAA and UDT



Continue dialogue with EU regarding Financing and **State Aid mechanism**



Thank you for your attention!

