POLSKIE
ELEKTROWNIE
JĄDROWE

POLAND
PROJECT PLAN AND STATUS

Warsaw, May 2025

Polskie Elektrownie Jądrowe (PEJ) – general information

- SPV company set up to deliver the Polish NP Program including first site based on AP1000 technology
- 100% State-owned company with no commercial activities on the market and is not part of any capital group

Polish Government established a PEJ-led framework for the Nuclear Power Program

PEJ

Energy Policy of Poland (PEP2040)

By 2040 more than half of power generation capacity in Poland will comprise zero-emission sources

Adopted by the Council of Ministers on 2 February 2021

Polish Nuclear Power Program (PNPP)

Strategic government document offering a formal basis and action plan for the construction of 6 units with total capacity of 6-9 GWe based on PWR technology

Updated and adopted by the Council of Ministers on 2 October 2020

Update of the Program expected soon

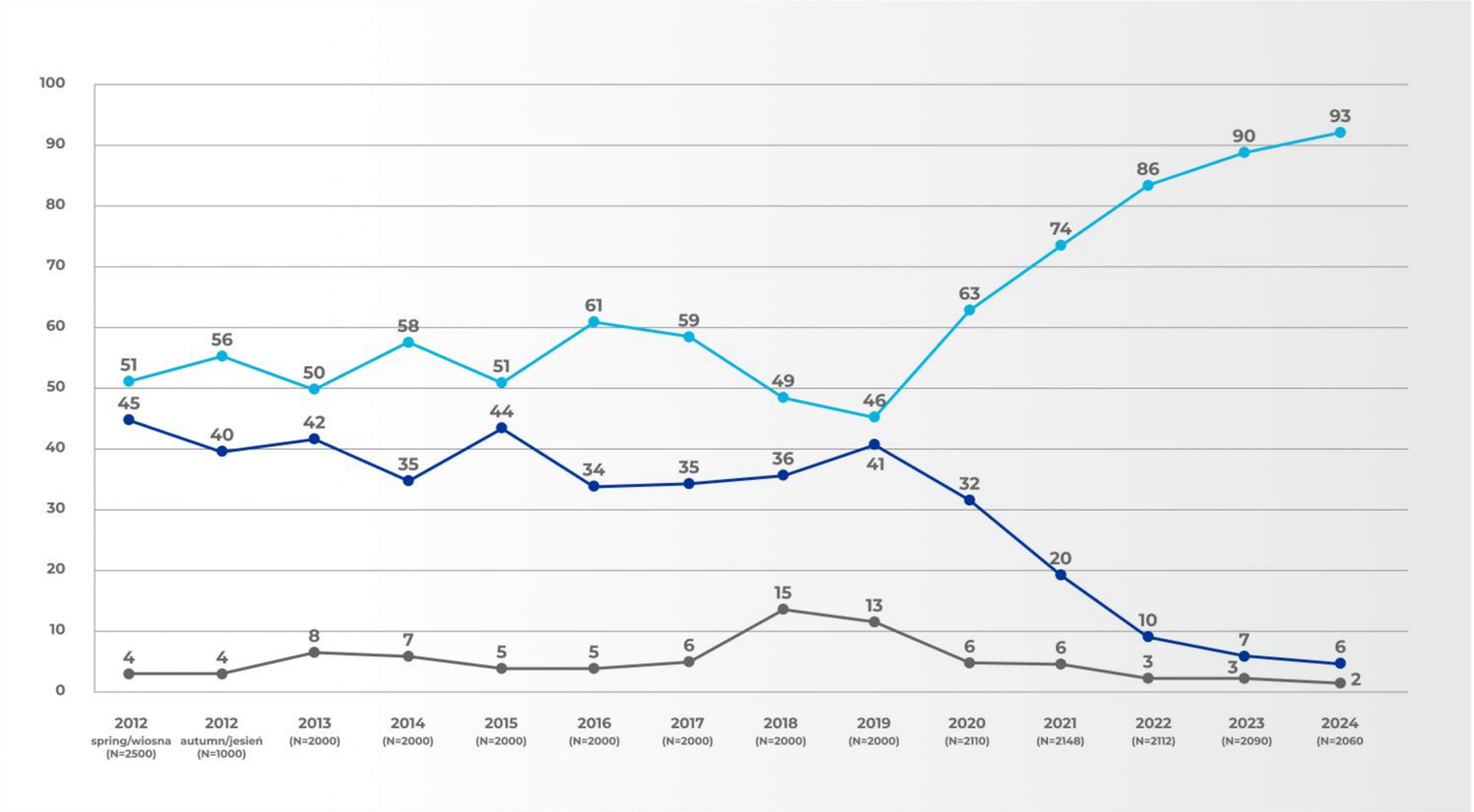
PL-USA Intergovernmental Agreement (IGA)

Cooperation towards the development of the civil nuclear power industry in Poland

Became effective in 2021 and was approved by way of a resolution of the Council of Ministers on AP1000 technology selection on 2 November 2022

PNPP IS THE LARGEST NUCLEAR POWER DEVELOPMENT PROGRAM IN CENTRAL AND EASTERN EUROPE

PL Gov. and PEJ activities result in nationwide support for nuclear



Results of a regular opinion poll for the Ministry of Climate and Environment

Support for NPP construction in Poland is the highest in a decade

in favor

against

no opinion

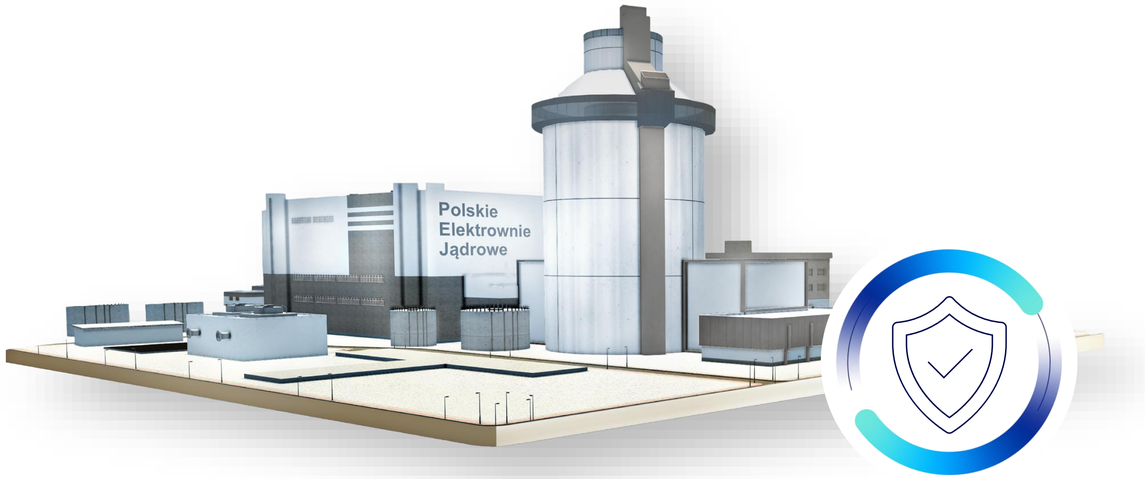
Basic information for the first Polish NPP in the Program: Lubiatowo-Kopalino (LK) in Pomerania (NPP1)

The NPP will be built in the Lubiatowo-Kopalino (the commune of Choczewo), Pomorskie voivodeship of Poland.

The environmental decision sets the maximum electrical output of the plant at **3750 MWe.**

Along the NPP1 there will be on-site **radioactive waste treatment** and **storage facilities** and **interim spent fuel storage facility** within one investment project.

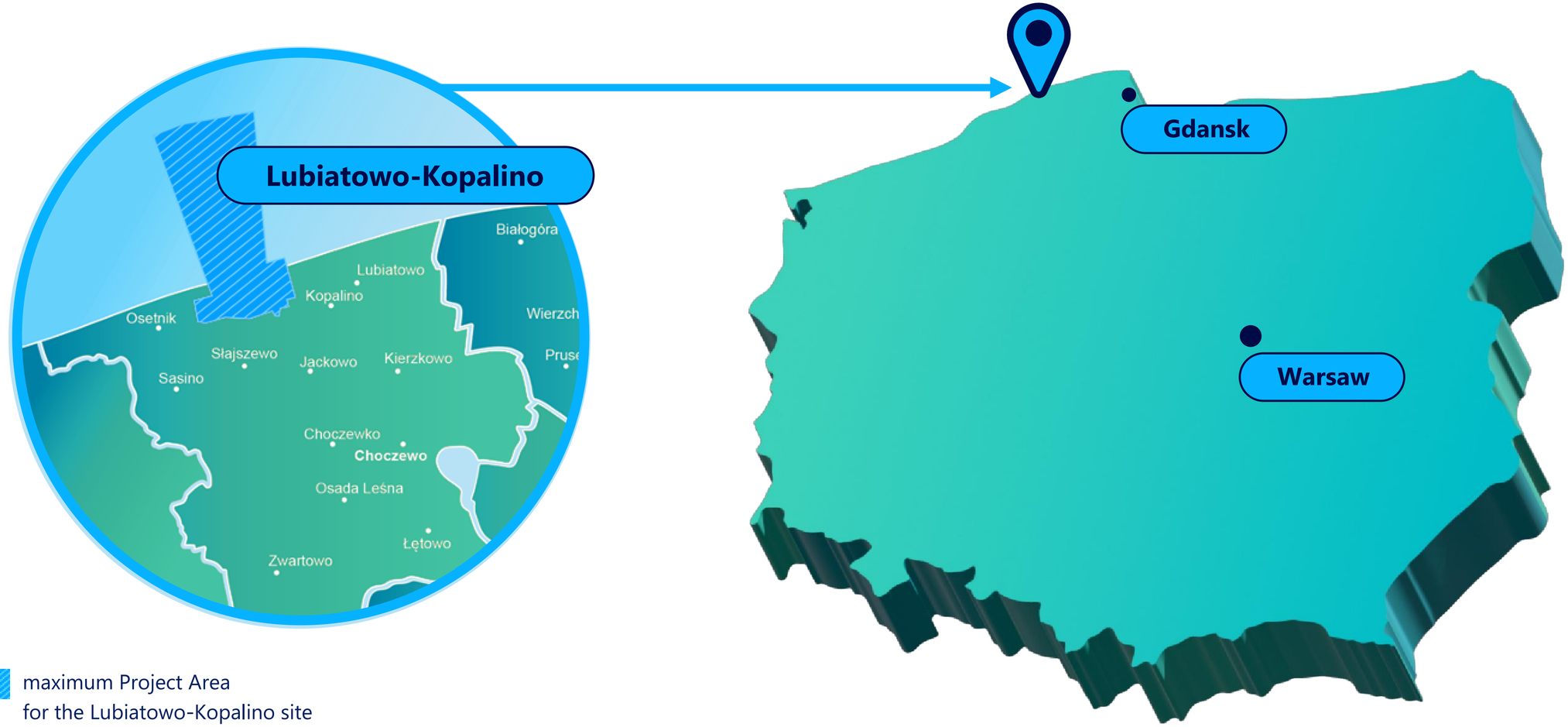
There are currently **six AP1000 reactors in commercial operation worldwide**, four of which are located in China (Sanmen 1, Sanmen 2, Haiyang 1, Haiyang 2) and two in the US (Vogtle 3, Vogtle 4). **Vogtle 4 is a reference plant for NPP1.**



NPP1 will consist of 3 units equipped with proven Generation III(+) Pressurized Water Reactors (PWRs) - Westinghouse AP1000 reactors **with passive safety systems to ensure stable and safe operation of the plant.**

The planned operational cycle period of each power unit is 60 years.

Site for the first Polish NPP in the Program: Lubiatowo-Kopalino (LK) in Pomerania



maximum Project Area
for the Lubiatowo-Kopalino site

Key ongoing processes within the Polish Nuclear Power Program led by PEJ

Key ongoing processes within PEJ

Oversight of design works by Westinghouse & Bechtel Consortium incl. licensing and permitting advancement

Supply chain development incl. localization activities

Financing and NPP1 Support Mechanism incl. State Aid Process

Associated infrastructure and cooperation with site communes

Other key areas:

- **Operational readiness**
- **Capability building incl. cooperation with universities**

Schedule for the construction of the first nuclear power plant in Poland

2023

Decision in Principle obtained

Decision on environmental conditions obtained

Design contract signed with the Westinghouse and Bechtel Consortium

Location decision obtained

2024

Start of geotechnical surveys

Application for a permit for preparatory works filed

Design contract performance underway

2025

Implementation of Early Works mechanism

Preparatory works

Application for Early Works Authorization filed

EC decision on the support mechanism

2026

Continuation of preparatory works

Application for the Construction License filed

2027

Start of Early Works

Application for the Construction Permit filed

2028

Start of construction works – First Nuclear Concrete

2035

Construction completed, tests and acceptance of U1

2036

U1 COD

2037

U2 COD

2038

U3 COD

2027 - 2034

PKP POLSKIE LINIE KOLEJOWE S.A. GDDKiA PSE URZĄD MORSKI W GDYNI

Implementation of NPP associated infrastructure, roads, railroads, MOLF, PSE substation to evacuate power from NPP1.

Establishing an ever-closer cooperation with the Consortium of Westinghouse and Bechtel

PEJ

22 FEBRUARY 2023

Bridge Contract signed between PEJ and Westinghouse for pre-design works

As a result of Government's Resolution, PEJ signed Cooperation agreement in December 2022 which was then followed by the first pre-design agreement

PEJ

20 SEPTEMBER 2023

Westinghouse and Bechtel signed **a consortium agreement** to cooperate with PEJ

BECHTEL

27 SEPTEMBER 2023

PEJ and the consortium of Westinghouse and Bechtel signed the **Engineering Services Contract (ESC)**

PEJ BECHTEL

28 APRIL 2025

Signing of the Engineering Development Agreement (EDA)

PEJ BECHTEL

NEXT STEP

Continuation of Design and Project Development Works under the **Engineering Development Agreement (EDA) and then EPC Contract**

PEJ BECHTEL

Incremental approach to contracting has been recognized as a good practice by the IAEA INIR mission.

Division of responsibilities in the NPP1 Project

Each of the companies involved in the project will carry out the procurement processes as part of their area of responsibility

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- Services related to the permitting and environmental surveys
- Medium and low voltage lines (backup power supply and construction site power supply)
- Water supply and sewerage networks, water treatment plants, wastewater treatment plants

Internal associated infrastructure

(internal and local roads, railway siding)

BECHTEL

- Design, delivery and installation of elements of the Turbine Island and the rest of the technological part of the power plant (Balance of Plant)
- Supply and installation of bulk components for Augmented Nuclear Island (pipes, valves, cables, etc.)
- Construction of all facilities included in the Augmented Nuclear Island, Turbine Island and the rest of the technological part of the power plant (Balance of Plant)

WESTINGHOUSE

Design and supply of all components related to the AP1000 nuclear island, including:

- Augmented nuclear island building modules (e.g. CA20, CA01)
- Nuclear island pressure components (e.g. reactor pressure vessel)
- Other components of the nuclear island (e.g. pumps)

Associated infrastructure

PKP POLSKIE LINIE KOLEJOWE S.A.
Railway lines to the NPP

GDDKiA
National and voivodeship roads to the NPP

MOLF – design and construction

400 kV line to the NPP, NPP connection to the national grid

Associated Infrastructure in the NPP Program – works advanced by PEJ partners

Road construction connecting L-K Site with S6 Express Way

2028/2029

GDDKiA

Railway access to the L-K Site

2028/2029

PKP POLSKIE LINIE KOLEJOWE S.A.

Marine Off-Load Facility (MOLF) with a technical road construction

2028

URZĄD MORSKI W GDYNI

400 kV station in the Pomerania Region by the TSO for grid export

2034

PSE

Funding for these Projects has been secured by the Government (separately from Project budget). Much of the infrastructure will also be accessible to local community and tourists.

Thank you for your attention!