

BUSINESS OPPORTUNITY

Nuclear energy in Poland

As Poland accelerates its transition away from coal and toward cleaner energy sources, nuclear power has become a **national priority**. With the first nuclear plant scheduled for commissioning in 2036 and ambitious plans to install **6–9 GW of capacity by 2040**, the Polish nuclear program presents significant business opportunities for international players.

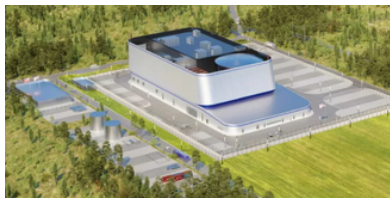
NUCLEAR ENERGY LANDSCAPE IN POLAND

National Strategy: Poland's Energy Policy 2040 outlines the introduction of large-scale nuclear power to meet energy security and decarbonization goals. Nuclear is expected to supply 25–30% of electricity by 2040.

Flagship Projects:

- A consortium led by **Westinghouse Electric and Bechtel** is developing Poland's first nuclear power plant in Lubiatowo-Kopalino, on the Baltic Sea coast.
- A joint venture between **Orlen and Synthos** plans to deploy 24 Small Modular Reactors (SMRs) across Poland.

Poland Advances with First Small Modular Reactor (SMR)



Orlen Synthos Green Energy (OSGE), a joint venture between Orlen and Synthos, plans to begin construction of Poland's **first BWRX-300 Small Modular Reactor (SMR) in 2028**.

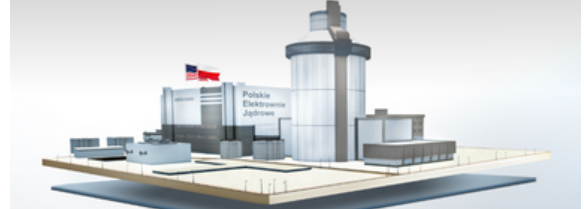
The BWRX-300, developed by GE Hitachi, is a **300 MWe reactor** designed for lower cost, modular design, and faster deployment than traditional nuclear plants.

GE Hitachi has signed a Letter of Intent with OSGE and BWXT Canada to cooperate in deploying BWRX-300 reactors in Poland.

Poland's Ministry of Climate has identified **six approved sites**, including Włocławek, Kraków – Nowa Huta, and Ostrołęka.

The reactor design meets international safety standards and **has received a positive opinion from Poland's nuclear authority (PAA)**, advancing the licensing process.

Lubiatowo-Kopalino Nuclear Power Plant



Location: Pomeranian Voivodeship, near Choczewo.

Technology: U.S. Westinghouse AP1000 reactors.

Project Company: Polskie Elektrownie Jądrowe (PEJ).

Construction Start: Planned for 2028.

First Reactor Operational: By 2036.

Full Plant Completion: Expected by 2039.

Total Cost Estimate: ~PLN 150 billion (EUR 34.6 billion / USD 40 billion).

Government Budget Allocation (2025–2030): PLN 60.2 billion zloty (€ 15.9 billion).



Opportunities

Engineering, Procurement & Construction (EPC)

- Participation in large-scale builds and modular projects.
- Subcontracting roles in design, civil engineering, and system integration.

Technology & Equipment Supply

- Nuclear-grade components, instrumentation, control systems, safety and radiation protection equipment.

Training & Human Resources

- Demand for qualified nuclear engineers and technicians is rising.
- Opportunities for academic partnerships and technical training programs.

Nuclear Waste Management

- Poland lacks permanent waste storage facilities.
- Demand for advanced solutions in interim and long-term waste handling.

Financial & Advisory Services

- Legal advisors experienced in nuclear project financing.