

Will Czech Republic build a new nuclear power plant?

Dukovany Nuclear Power Plant. Photo: CEZ. The Czech Republic is moving forward with its plan to add more nuclear energy. State-controlled energy group CEZ has launched a tender to find a company to build a new reactor unit at the Dukovany nuclear power plant, one of two reactor sites currently in operation.

What is the state energy policy of the Czech Republic?

Within the State Energy Policy of the Czech Republic, the intentions of new nuclear power plants are analysed and considered as part of the fulfilment of this strategic priority, together with the renewal of the old electricity generation sources, while respecting the requirements for efficiency and environmental protection.

How much does a new nuclear reactor cost in Czech Republic?

It will be the first new reactor unit in the Czech Republic since 2002. Industry and Trade Minister Jozef S&#237;kela said the new reactor will be the biggest investment in modern Czech history. It will cost roughly CZK 160 billion based on prices from 2020, according to representatives of the government and CEZ.

Would the Czech Republic be dependent on foreign energy supply?

In both scenarios, the Czech Republic would be dependent on foreign energy supply. In all other scenarios, the development of nuclear energy is envisaged, with the Optimized Scenario, according to which the Czech Republic needs a total of 3 new nuclear reactors, being evaluated as the most appropriate scenario.

Where does the Czech Republic get its electricity?

The Czech Republic currently gets about one-third of its electricity from the four VVER-440 units at Dukovany, which began operating between 1985 and 1987, and the two VVER-1000 units in operation at Temel&#237;n, which came into operation in 2000 and 2002.

How many nuclear power plants are there in the Czech Republic?

The Czech Republic has two nuclear power plants with a total of six units. Temel&#237;n in South Bohemia has two units with a capacity of 1,000 MW each. Dukovany has four 510 MW units. Temel&#237;n went into operation in 2002 and Dukovany's first unit was commissioned in 1985.

CEZ follows a sustainable development strategy named "Energy for the Future": the company supports energy efficiency, promotes new technologies, contributes to the prosperity of its neighborhood, takes full care of safety and creates an environment for employees' professional growth. [Learn more](#)

CEZ Group's total operating revenues were CZK 184.5 billion in 2018, increasing by CZK 10.8 billion year-on-year after adjustment for methodology changes in IFRS, primarily due to increased sales of energy services. We found this to be a highly promising new energy sector even under Czechia's conditions.

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State-controlled energy group CEZ has launched a tender to find a company to build a new reactor unit at the Dukovany nuclear power plant, one of two reactor sites currently in operation. Finding a supplier for the reactor is just the first step in a long process.

The European Commission has approved the Czech Republic's proposed public support package for new nuclear - after a series of modifications were made to address their concerns during an inquiry which began in June 2022.;

CEZ Group, the largest energy group in Czechia and one of the largest energy groups in Central and Eastern Europe (CEE), announced a new strategy in 2021 to decarbonise its power generation, including constructing 6 gigawatts (GW) of renewables by 2030, phasing out coal by 2033, and building a new nuclear power plant (NPP) by 2037.

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CEZ has submitted to the Czech government its evaluation of the bids received from France's EDF and South Korea's Korea Hydro & Nuclear Power for the construction of a new nuclear power plant at Dukovany.

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In cooperation with the government, CEZ Group has contracted long-term annual capacity of 2 billion cubic metres at one of the onshore LNG terminals in Germany. This represents an investment in the further development of the Czech energy sector, and strengthens the energy security of the Czech Republic.

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