

Another nuclear power unit connected to Russia's unified energy system

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The first unit of Kursk Nuclear Power Plant-2 (Kursk NPP-2) has been successfully connected to Russia's Unified Energy System on December 30, 2025, marking a major milestone in the country's nuclear power development program.

The new unit is the first implementation of the advanced VVER-TOI reactor design. With an installed capacity of 1,250 MW, it is the most powerful nuclear power unit in Rosatom's operating fleet, exceeding the capacity of the Leningrad NPP-2 units by 50 MW.

During the initial power start-up phase, the unit's capacity will be gradually increased to 35-40%, followed by a phased ramp-up to full capacity. Comprehensive testing of equipment and systems is currently underway. Full commissioning of Unit 1 at Kursk NPP-2 is scheduled for 2026.

Alexey Likhachev, Director General of the Rosatom State Corporation, said, "On December 30, 2024, the general plan for the deployment of power facilities through 2042 was approved. The plan foresees the construction of 38 power units. Today we are taking the first step toward that goal, aimed at increasing the share of nuclear generation in the national energy mix from 20% to 25%."

The First Concrete of the new unit took place in 2018. It is designed to operate for up to 100 years.