

In 2026, in Russia, they plan to start the construction of a "Russian source of photons" (RIF). This is a special installation that will produce powerful radiation. About this at the forum "Technoprom-2025" was told by the vice-president of the NIC "Kurchatov Institute" Alexander Blagov.

The construction site has already been selected, and the project received the approval of experts, the corresponding conclusion issued the Glavgosexpertiza. All preparatory work on the project ended in 2023. Scientists carefully studied the place where the installation will be built, checked the soil and studied the risk of earthquakes. The place is determined in Vladivostok, on the island of Russian.

Construction will begin in 2026, and "tens of billions of rubles" will be required on it. At the moment, the Russian government allocated 12.4 billion rubles. Now the question is being decided on how to distribute money from other projects, because their cost has been higher than planned.

As TASS notes, the Kurchatov Institute is already developing systems for a new accelerator. They are similar to those that were used to improve the old accelerator - the "Kurchatov source of synchrotron radiation" (KISI). The new synchrotron will produce 10 times more energy, its energy will be 2.5 GEV.

The center will study molecules, conduct research in physics, biology, medicine and material science. Scientists working on a new accelerator will study marine animals to search for "promising materials" and the production of drugs based on the research of the ocean.