



Частное учреждение  
Государственной корпорации  
по атомной энергии «Росатом»

«Проектный центр ИТЭР»

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## ITER project

ITER (ITER, International Thermonuclear Experimental Reactor) **is the world's first experimental thermonuclear reactor**

The international ITER project is carried out on the basis of the world's leading thermonuclear programs. His goal is to demonstrate the scientific and technical possibility of obtaining thermonuclear energy for peaceful purposes. **ITER will be the first thermonuclear facility generating heat energy on an industrial scale.**

The existing experimental thermonuclear installations produce a small amount of thermal energy through synthesis. **ITER will produce heat at the level of an industrial power plant** and help solve many of the key technical problems encountered when using fusion as a practical source of energy.

ITER is the next logical step in the development of research programs in the field of controlled fusion, a necessary step in demonstrating the possibility of obtaining electricity based on fusion.

Collaboration within the framework of the ITER project provides an opportunity for significant cost savings for each participant, and more importantly, it allows to summarize the experience gained over the past decades in the achievements of leading fusion devices and programs.

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