

Nuclear Energy Empowering a Shared Future of Green, Safe, and Sustainable Energy

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ASTANA





SUSTAINABLE DEVELOPMENT GOALS

Nuclear power will play an indispensable role in energy security and transition for SDG goals.



IAEA predicted that global nuclear power installed capacity will reach about 1000 gigawatts by 2050.

CHINA REGARDS NUCLEAR ENERGY AS AN IMPORTANT OPTION FOR ENERGY SECURITY AND ACHIEVING LOW-CARBON TRANSITION.

7%
generation ratio
110GW
total installed capacity
 6.7×10^8 tons
emission reduction benefit

17.5%
generation ratio
400GW
total installed capacity
 20×10^8 tons
emission reduction benefit

10%
generation ratio
150GW
total installed capacity
 9.2×10^8 tons
emission reduction benefit

2030
2035
2060



THERMAL REACTOR



FAST REACTOR



FUSION REACTOR



**CNNC'S FUTURE NUCLEAR
LANDSCAPE: THREE STEP
STRATEGY.**

**STRATEGY
INTEGRATION**

**INTERNATIONAL
COLLABORATION**

**"NUCLEAR+"
APPLICATION**

**CNNC: ALWAYS STANDING WITH GLOBAL
PARTNERS TO ADVANCE NUCLEAR
POWERED SUSTAINABLE DEVELOPMENT**

Nuclear energy benefits the people of Kazakhstan



中国核工业集团有限公司
China National Nuclear Corporation