



The 2030 carbon peak goal and the 2060 carbon neutrality vision announced by President Xi Jinping

The policy of "active and orderly development of nuclear power on the basis of ensuring safety" formulated by Chinese Government

As of Nov. 2021 in Chinese mainland

51 Units

commercial nuclear power

53.27 GW

total installed capacity

RANKING THIRD IN THE WORLD

18 Units

under construction

18.94 GW

total installed capacity

CONTINUING TO RANK FIRST IN THE WORLD



The first "Hualong One" reactors in domestic and abroad have been put into operation

The demonstration project of "Guohe One" is progressing steadily as planned

Shidao Bay HTGR demonstration project completed the fuel loading

The demonstration projects of nuclear powered heating are operating well

The demonstration fast reactor, small-medium modular reactor etc. are progressing smoothly

The life of Qinshan NPP is successfully extended becoming the first NPP in chinese mainland to gain a life extension permit









protective clothing, shortening the sterilization time from 7-14 days to 1 day

beams to kill covid-19 on the packaging of cold-chain food.

in China was put into operation



There are more than 7,000 particle accelerators in China, which are widely used in various fields



Medical and health care: radiotherapy, medical isotope production and sterilization



Agriculture: Irradiation for breeding, pest infertility and agricultural products



Industry:
irradiation processing and
polymer modification, nondestructive inspection



Public safety: inspection of large-scale container, killing anthrax bacteria



Environmental protection: electron beams used for industrial and medical wastewater treatment



CHINA HAS ACTIVELY PROMOTED THE DEVELOPMENT OF RESEARCH REACTOR TECHNOLOGY AND CONSTRUCTION.

Over **20** research and experimental reactors have been built

Applications: shielding effect, material modification, fuel and material testing, and neutron activation analysis etc.



Production of isotopes and their products, such as medical radioisotopes, industrial radioactive sources and tracers

The world's first radiotherapy device for boron neutron capture therapy





Nuclear powered heating: the "Yanlong" reactor was launched with a heating area of up to 20 million square meters.



China is ready to work together with member states

Thanks for your attention!

