

Which nuclear power units use Hualong One technology?

Both nuclear power units use the Hualong One technology. China's Hualong One demonstration project, a domestically designed third-generation nuclear reactor, has been completed and put into commercial operation, the China National Nuclear Corporation (CNNC) said on March 25. [Photo/Xinhua]

What is Hualong One?

Hualong One is CNNC's Generation III nuclear power technology with complete independent intellectual property rights, developed and designed by the corporation on the basis of more than 30 years of nuclear power research, design, manufacturing, construction and operation experiences.

When will Hualong One nuclear power plant be connected to the grid?

Unit 3 of the Fangchenggang nuclear power plant in China's Guangxi Zhuang autonomous region, the first Hualong One nuclear unit built in western China, has been connected to the grid for the first time at the beginning of this year. It will be put into operation in the first half of this year, CGN said.

How much electricity does Hualong One generate a year?

The installed capacity of each Hualong One unit reaches nearly 1,200 MWe, and each unit is able to generate nearly 10 billion kWh of electricity annually, meeting the demand of 1 million population within a moderately developed country.

How many Hualong One units will be built by 2025?

[Photo provided to China Daily] More than 10 units of Hualong One, a third-generation nuclear reactor designed and manufactured in China, will be put into operation by the end of 2025, injecting fresh impetus into China's green push, said one of the technology's developers on Thursday.

Will Hualong One help China achieve its green goals?

It boasts full proprietary intellectual property rights, and its development is said to help China achieve its green goals. According to CGN, a single Hualong One unit can generate nearly 10 billion kilowatt-hours of electricity per year, which can provide enough electricity to around 1 million people for a year.

2 ???&#0183; The Hualong-1 nuclear power plant at Zhangzhou city, Fujian Province, operated by China National Nuclear Corp (CNNC), has been connected to the State Grid, boosting China's green energy transition ...

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The first Hualong One unit, the No 5 unit, entered commercial operation in January 2021, the CNNC said. The project's two nuclear power units are expected to generate nearly 20 billion kilowatt-hours of electricity annually, ...

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1 ??&#0183; Hualong One is China's third-generation nuclear power technology with full intellectual property rights. It is one of the most widely accepted series of third-generation nuclear power reactors in the world. The Zhangzhou Nuclear ...

With a design life of 60 years, Hualong One reactor adopts a 177-reactor core design that needs refueling the fuel every 18 months. It innovatively uses a combination of &quot;active and passive&quot; ...

Following a demonstration run lasting 168 hours, unit 5 of the Fuqing nuclear power plant in China's Fujian province entered commercial operation on 30 January, China National Nuclear Corporation has announced. ...

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