



# Tianwan nuclear power plant energy storage station factory operation

What is the Tianwan nuclear power station project?

The project will deliver 4.8 million metric tons of zero-carbon industrial-use steam each year from the Tianwan Nuclear Power Station, a subsidiary of China National Nuclear Corp, to a petrochemical industry complex in Lianyungang city, Jiangsu province.

How much steam does Tianwan nuclear power plant produce?

The industrial superheated steam transmitted out of the nuclear power plant has a pressure of 1.8 MPa and a rated flow rate of 600 tonnes per hour. The industrial steam facility at Tianwan (Image: CNNC) The total length of the long-distance steam supply main line of the Tianwan nuclear power steam energy supply project is about 23 kilometres.

How long is the Tianwan nuclear power plant pipeline?

The industrial steam facility at Tianwan (Image: CNNC) The total length of the long-distance steam supply main line of the Tianwan nuclear power steam energy supply project is about 23 kilometres. The pipeline network extends from the Tianwan nuclear power plant to the Xuwei Petrochemical Industrial Park.

When did the construction of Tianwan plant start?

The construction of the pile foundation for the project began in February 2022, with the pouring of first concrete for the industrial steam facility taking place in May 2022. The Tianwan plant is equipped with four steam conversion devices.

Will Tianwan be the world's largest nuclear power plant?

When all the units are complete, Tianwan will be the world's largest nuclear power plant, with generation capacity exceeding 9,000 MWe. The station has four levels of security. There's a double asbestos cluster, which blocks any kind of emissions.

What is China doing with nuclear energy?

This marks the expansion of China's comprehensive nuclear energy utilization from single-purpose power generation and urban residential heating to the field of industrial steam supply.



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