

Why is Xinjiang integrating large-scale new energy?

The integration of large-scale new energy represents an important demonstration in building a new type of power system with new energy as the mainstay in China. Experts said the key lies in creating efficient energy transmission channels that connect Xinjiang with Central Asia's power grid.

Why is Xinjiang important for energy development?

Xinjiang's rapid development in new power systems and its technological revolution in green energy and low-carbon transformation have provided valuable experience for energy development nationwide and globally.

When did Xinjiang start a high-voltage transmission system?

In 2010, the autonomous region connected the Hami-Dunhuang 750-kilovolt power transmission and transformation project with the national power grid. Then in 2014, Xinjiang's first ultrahigh-voltage transmission line from South Hami to Zhengzhou was completed and put into operation.

Will Xinjiang electric power share its experience with Central Asian countries?

Li Yu, chief engineer of State Grid Xinjiang Electric Power, said the company is willing to share its experience in the construction of new power systems with Central Asian countries. It will carry out cooperative exchanges and jointly promote the clean and low-carbon transformation of the energy industry.

Why is Xinjiang constructing a third UHVDC channel?

Meanwhile, Xinjiang is constructing the third UHVDC channel, linking Hami and Chongqing. It is expected to be completed by 2025, with an annual transmission capacity of more than 36 billion kilowatt-hours. The operation of channels sending power out of Xinjiang enhances China's energy transmission capacity.

When was Xinjiang's first ultrahigh-voltage transmission line completed?

Then in 2014, Xinjiang's first ultrahigh-voltage transmission line from South Hami to Zhengzhou was completed and put into operation. The Changji-Guquan UHVDC transmission line became the world's highest-voltage, longest-distance, and highest-capacity project in the sector when it was completed in September 2019.

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