



# Taklimakan has solar power generation

The highway, which traverses the Taklimakan Desert in southwest China's Xinjiang Uygur Autonomous Region and stretches for 522 kilometers, is equipped with 86 solar power stations.

Located in the heart of the Taklimakan Desert, the oilfield's large-scale, distributed photovoltaic projects now form a combined oil, gas and renewable energy system.

Since May 31, 2023, the 100,000 kilowatts of photovoltaic power generation project in Qiemo oilfield area of Tarim Oilfield has started grid-connected power generation.

This photovoltaic power station located in the heart of the desert has an annual power generation capacity of up to 200 million kWh, providing a stable power supply for the surrounding areas.

The Tarim Oilfield has built four PV power stations with a total installed capacity of 1.3 million kilowatts in the hinterland of the Taklamakan Desert and its outskirts.

"The southern part of the Taklimakan Desert benefits from low precipitation and ample sunshine, resulting in up to 1,600 hours of electricity generation each year," Tian said.

An innovative solar power and agriculture project is transforming Xinjiang's Taklimakan Desert, combining renewable energy with farming to combat desertification and rejuvenate the ...

So far, more than 100 diesel generator water source wells on the desert road in Tarim Oilfield have achieved solar energy system power generation. It is understood that the Taklimakan ...

In November, China has successfully encircled the Taklamakan Desert, often called the "sea of death", the country's largest and the world's second-largest shifting desert, with a 3,050 ...

China has transformed its largest desert, the Taklamakan, into a solar-powered greenbelt. Using photovoltaic technology, China integrated agriculture and sand-control to create an ...



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