



PetroChina Solar Power Generation

Will China's largest oil & gas company build a solar-to-hydrogen project?

China's largest onshore oil and gas operator PetroChina has won government approval to build a major solar-to-hydrogen project in the country's northwest China's Gansu province, the first of many such projects to be constructed at the company's existing domestic onshore fields.

What is PetroChina's hydrogen project?

Located at PetroChina's mature Yumen oilfield, the project will also involve the construction of an export pipeline, extending 6.7 kilometres from the hydrogen units to the Yumen refinery and a local chemical industry zone, where hydrogen will be utilised as feedstock.

What is CNPC's hydrogen project?

CPECC said the project is parent company CNPC's first involving large-scale electrolysis water hydrogen production. "It is a demonstration project for PetroChina to expand the wind-solar hydrogen and storage integrated industrial park at its onshore fields," CPECC said.

How many tonnes a year can a photovoltaic power generation module produce?

When completed in late 2024, the project will be able to produce 2100 tonnes per annum of green hydrogen. The photovoltaic power generation module has a photovoltaic installed capacity of 30 megawatt peak for hydrogen production by electrolysis. The annual average power generation capacity is 50,578 megawatt hours.

BEIJING, July 19, 2023 - China has approved PetroChina's plans to build a solar-to-hydrogen project located in the northwest Gansu province, Upstream Online reported on Tuesday. The project will be located in the oil and gas giant's ...

The project is developed and owned by PetroChina. The company has a stake of 100%. Daqing Oilfield Xinghuo Solar PV Plant is a floating solar project which is spread over an area of ...

The project is linked with the wind and solar power generation project in Jilin Oilfield, and all the new electricity for transformation and upgrading will be provided by Green Power in Jilin Oilfield. ... PetroChina said that the ...

Solar power, also known as solar electricity, is the conversion of energy from sunlight into electricity, either directly using photovoltaics (PV) or indirectly using concentrated solar power. Solar panels use the photovoltaic effect to convert ...

PetroChina Bohai Qingxian Solar PV Plant is a roof-mounted solar project. The project generates 22,940MWh electricity thereby offsetting 20,000t of carbon dioxide emissions (CO₂) a year. ...

The British oil and gas major BP has signed an agreement with PetroChina to develop carbon ... Sembcorp Industries has received the Letter of Award (LOA) for a 150 MW inter-state grid-connected hybrid wind and solar ...

The photovoltaic power project in the Tarim Oilfield of northwest China's Xinjiang Uygur Autonomous Region has generated over 105 million kilowatt-hours (kWh) of green electricity so far this year, said its operator on ...

PetroChina Kashgar Solar PV Park is a 2,000MW solar PV power project. It is planned in Xinjiang Uyghur Autonomous Region, China. According to GlobalData, who tracks and profiles over ...

The project is developed and owned by PetroChina. The company has a stake of 100%. Jidong Oilfield Solar PV Plant is a floating solar project which is spread over an area of 1,237.5 acres. ...

Nov 19 - The CEO of Ansaldo Nucleare has sealed a contract for the extension of Romania's Cernavoda nuclear power plant. The extension project was agreed at the COP 29 Climate Conference in Baku in the context ...

3. Model Validation. The operating data from real solar power plant in SEGS-VI [1 - 3] is used to validate the developed model. The solar collectors are LS-2, manufactured by LUZ Company. ...

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