

What is Sinopec Xinjiang Kuqa green hydrogen pilot project?

KUQA,China,Aug. 31,2023 - China Petroleum & Chemical Corporation (HKG: 0386,&quot;Sinopec&quot;) completed the construction of the Sinopec Xinjiang Kuqa Green Hydrogen Pilot Project (the &quot;Project&quot;),China's largest photovoltaic green hydrogen production project lately.

How many photovoltaic power stations are there in China?

The region has so far come up with 38 photovoltaic power stations and 26 EV charging and battery swapping stations,generating 1.39 million kilowatt-hours of photovoltaic power,equivalent to reducing carbon emissions by 792 tons,local authorities said. Sinopec said it now produces and utilizes about 4.5 million tons of hydrogen every year.

How will green hydrogen be used in Sinopec Tahe petrochemical project?

The green hydrogen produced by the Project will supply to Sinopec Tahe Petrochemical to replace the existing natural gas and fossil energy used in hydrogen production,realizing the low-carbon development of modern oil processing and green hydrogen coupling.

What is the world's largest photovoltaic green hydrogen production project?

Upon completion,the project will produce an annual green hydrogen output of 20,000 tons,making it the world's largest photovoltaic green hydrogen production project. Sinopec Lands World's Largest Photovoltaic Green Hydrogen Production Project in Kuqa,Xinjiang.

Does China produce photovoltaic encapsulant film?

&quot;China controls 80%-90% of global solar capacity and is home to 90% of photovoltaic encapsulant film manufacturing,but has zero local production of POE pellets,&quot; said NPCPI's Zhao. Wanhua and Sinopec are expected to be China's first commercial POE producers,according to Zhao and Woodmac's Cui.

What is China's production capacity for solar panel encapsulation?

Chinese production capacity for POE,a material used for solar panel encapsulation that resists ultraviolet light and is more durable than EVA,will surge to 1 million metric tons per year by 2025 from zero at a cost of about 20 billion yuan,to meet demand that is set to expand at double-digit rates,industry officials estimated.

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After local regulations of active guidance, has given rise to a series, such as photovoltaic building application demonstration projects, golden sun demonstration projects, solar roof plans and franchise bidding ...



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Wang et al. (2021) identified the distributed PV development at the city level in China, considering the solar irradiation and available land area. They pointed out that residential land occupied ...



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