

**JH Solar**

# **Sinopec engineering energy storage project**



## Overview

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What is Sinopec doing in green hydrogen refining?

In the field of green hydrogen refining, Sinopec has been vigorously advancing centralized wind power and photovoltaic development, laying out mega-scale projects integrating renewable energy power generation, hydrogen production, storage, and utilization.

How many hydrogen refueling stations does Sinopec have?

With a focus on hydrogen transportation and green hydrogen refining, Sinopec is accelerating its hydrogen development with the establishment of more than 100 hydrogen refueling stations, owning and operating the largest number of hydrogen refueling stations in the world to date.

How many tons of hydrogen will Sinopec produce a year?

In addition to the Project, Sinopec's green hydrogen project in Ordos, which will produce 30,000 tons annually began construction in February 2023, while the Ulanqab project is now in the planning stage.

How much oil does Sinopec produce a day?

The daily oil production is 302 tonnes, with 26,500 tonnes of incremental oil production obtained. E.g Fan 142-20, the oil production rate increases from 8 t/day to 40 t/day. kilometer CO2 transmission pipeline. The project design, construction and equipment development are completed by Sinopec.

What is Xinjiang's hydrogen project?

Utilizing the abundant solar resources in Xinjiang, the Project has an electrolyzed water hydrogen plant with an annual capacity of 20,000 tons, a spherical hydrogen storage tank with a hydrogen storage capacity of 210,000 standard cubic meters, and hydrogen transmission pipelines with a capacity of 28,000 standard cubic meters per hour.

What projects are under construction in China?

Projects of Luoyang Petrochemical's 1 million-tonne ethylene, Yueyang's 1 million-tonne/year ethylene, Zhenhai Refining and Chemical's 1.5 million-tonne/year ethylene, Maoming Petrochemical's ethylene were fully under construction. New Energy, New Material, New Economy and Science research auxiliary projects.

## Sinopec engineering energy storage project

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### Sinopec's Mega Storage Project: A Game Changer for Renewable Energy?

Why Energy Storage Can't Be an Afterthought Anymore You know how people talk about solar panels and wind turbines like they're the superheroes of clean energy? Well, here's the kicker ...

### Técnicas Reunidas and Sinopec awarded \$3.3

Saudi Aramco, one of the world's largest energy companies, has awarded a joint venture formed by the Spanish company Técnicas Reunidas and the Chinese Sinopec Engineering Group the ...



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OUTDOOR ENERGY STORAGE CABINET

OUTDOOR MODULE CABINET

### China's First 10,000-ton Photovoltaic Green Hydrogen Pilot ...

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### Accelerating green hydrogen development and refining business

The project is designed with an annual production capacity of 30,000 tonnes of green hydrogen and 240,000 tonnes of green oxygen. This project is Sinopec's first full-process green ...



## Serbia's NIS, China's Sinopec to develop green ...

Serbia's oil and gas company Naftna Industrija Srbije (NIS), subsidiary of Gazprom, and its Science and Technology Centre (NTC) signed a memorandum on scientific and technological cooperation with China's ...

## Subsidiaries , Sinopec Engineering

Sinopec Nanjing Engineering Co., Ltd. Sinopec Nanjing Engineering Co., Ltd. (hereinafter referred as SEG Nanjing for short) is a wholly-owned subsidiary of Sinopec Engineering (Group) Co., ...

### OEM service

Hot Colors:



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LOGO Position: (Screen printing)

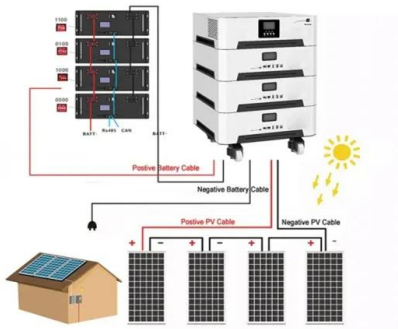


## New Energy Development and Utilization

The flagship project, 20,000-tonne/year green hydrogen project in Kuqa, Xinjiang maintained safe and stable operation since fully operational in August 2023. Meanwhile, the 30,000-tonne/year ...

## SINOTECH ENERGY CO., LTD

Project 1000m<sup>3</sup> LNG onshore membrane storage tank The first large-scale LNG onshore membrane storage tank with completely independent intellectual property rights in China and ...



## **Aramco and TotalEnergies award contracts for \$11 ...**

Aramco and TotalEnergies today awarded Engineering, Procurement and Construction (EPC) contracts for the \$11 billion "Amiral" complex, a future world-scale petrochemicals facility expansion at the ...

## **China's First 10,000-ton Photovoltaic Green Hydrogen Pilot Project ...**

In the field of green hydrogen refining, Sinopec has been vigorously advancing centralized wind power and photovoltaic development, laying out mega-scale projects integrating renewable ...



## **Sinopec Refining Engineering has signed multiple ...**

Sinopec Nanjing Engineering Company is responsible for the execution of the project. Sign the FEED contract for the NGL-5 processing plant project in the United Arab Emirates The project owner is ...

## The Hydrogen Stream: China starts world's biggest solar-to

...

China's Sinopec has switched on the world's largest solar-to-hydrogen project in Xinjiang, while India has unveiled a new plan to incentivize green hydrogen and electrolyzer ...



## China: Sinopec Completes Carbon Capture Project ...

Sinopec has completed the construction of China's first megaton carbon capture, utilization and storage (CCUS) project. This will reduce carbon emission by 1 million tons per year, the equivalent of ...

## Sinopec Energy Storage Policy: Powering China's Green ...

Love it or hate it, Sinopec's storage strategy is reshaping China's energy map. From flow batteries that outlast your smartphone to gas stations moonlighting as power plants, ...



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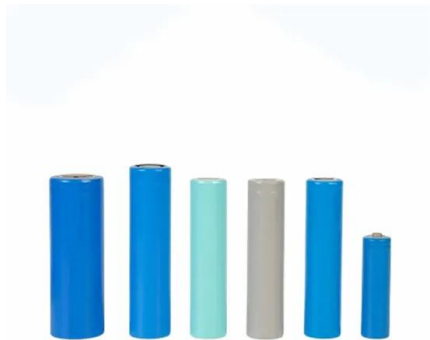


## Clean energy ensures safe supply

Clean energy ensures safe supply We will thoroughly advance the energy revolution. Greater efforts will be made to explore and develop petroleum and natural gas, discover more ...

## Production & Operation of Chemical Business

For Sinopec Great Wall Energy and Chemical (Ningxia) Co., Ltd., the production capacity of Songxin Zhuang coal mine increased by 300,000 tonnes/year. The continuous operation of a ...



## Sinopec Paves the Way for High-Quality Growth in Petrochemical ...

Sinopec is actively adjusting the energy structure towards clean energy development targets, laying out multiple energy sectors to achieve complementary growth, promoting Project Deep ...

## ASIACHEM Consulting

Total investment of 150 billion yuan, 60+ green hydrogen projects on the line! Sinopec, China Energy, SPIC, Shell, CNPC, China Coal, Beijing Energy, Three Gorges green ...



## About Sinopec Group

A super large energy and petrochemical group with integrated business in upstream, downstream, production, supply, marketing, domestic and overseas trading, the Company has a registered ...

## Técnicas Reunidas and Sinopec awarded two contracts by ...

This is the first project awarded to Técnicas Reunidas by Saudi Aramco following the Strategic Alliance recently signed by the Spanish company with Sinopec Engineering Group for the ...



## [China Sinopec](#)

Big news! Sinopec Guangzhou (Luoyang) Engineering Co., Ltd., a part of Sinopec Engineering Group, just completed a major milestone in SONATRACH's LNG storage tank project in ...

## Tecnicas Reunidas and Sinopec Engineering have signed on for ...

Saudi Aramco, one of the world's largest energy companies, has awarded a joint venture formed by the Spanish company Técnicas Reunidas and the Chinese Sinopec ...



## Sinopec Showcases Green Development Achievements at COP29

Sinopec has been actively collaborating on green energy and low-carbon tech projects under the Belt & Road framework. In Saudi Arabia, Yanbu Aramco Sinopec Refining Co., Ltd. (YASREF), ...

## Sinopec's Mega Storage Project: A Game Changer for ...

That's where Sinopec's engineering energy storage project comes into play, aiming to store 800 MWh of renewable power by 2025. But why should you care? Because this isn't just about ...



## The Hydrogen Stream: China starts world's biggest ...

China's Sinopec has switched on the world's largest solar-to-hydrogen project in Xinjiang, while India has unveiled a new plan to incentivize green hydrogen and electrolyzer production.

## Key Projects Construction

Two oil and gas field surface engineering projects, 20 refining units, one new energy facility, and two oil and gas storage and transportation facilities were completed and put into operation.



## SINOPEC Engineering (Group) (2386HK): history, ownership,

...

As of the latest reports, SINOPEC Engineering has diversified its portfolio further by entering renewable energy sectors, including solar and wind power projects, reflecting a commitment ...

## Increasing cooperation on production capacity

In February 2022, the consortium consisting of Sinopec Guangzhou (Luoyang) Engineering Co., Ltd. and Sinopec International Petroleum Service Corporation signed an EPC contract on LNG ...



## The World's Largest Magnesium Hydride Pilot Test Project Was

The 150 t/a magnesium hydride pilot test project of the Yulin Innovation Institute, for which the company undertook engineering design, produced qualified magnesium hydride ...

## Sinopec Launches China's First Megaton Scale Carbon Capture Project

Sinopec initiated China's first megaton carbon capture, utilization and storage (CCUS) project - the Sinopec Qilu-Shengli Oilfield CCUS project. The Project, expected to be put into production ...



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