

# Sinopec has energy storage





## Overview

---

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 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.

Does Sinopec have a hydrogen refueling station?

In addition to the hydrogen refueling station, Sinopec has also embarked on the world's largest project to use green hydrogen to produce coal chemicals in Inner Mongolia in February. The project, valued at about \$830 million, will produce 30,000 tons of green hydrogen and 240,000 tons of green oxygen each year, it said.

How much hydrogen does Sinopec use a year?

Sinopec said it now produces and utilizes about 4.5 million tons of hydrogen every year. It has built over 100 hydrogen fueling stations amid efforts to become China's leading hydrogen energy company.

Will Sinopec invest in hydrogen?

Sinopec President Ma Yongsheng said the company will further invest in hydrogen, a clean energy source with a big development potential, while expanding other new energy businesses during the 14th Five-Year Plan period (2021-25).

What will Sinopec do with CATL?



Sinopec and CATL's partnership builds on an existing relationship in energy stations, storage, and advanced materials, and will expand to build smart energy microgrids featuring solar power, energy storage, charging, swapping, and battery inspection.

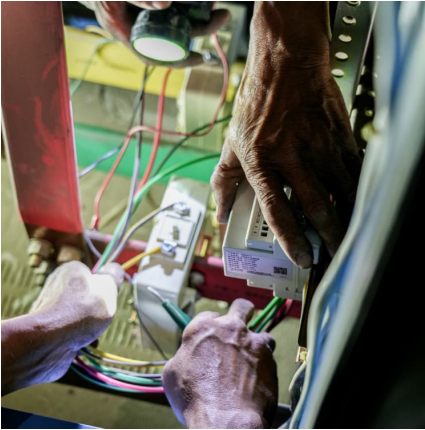
How many energy stations does Sinopec have?

Boasting an extensive network of 30,000 integrated energy stations across China, Sinopec also operates 28,000 Easy Joy convenience stores and over 10,000 ultra-fast charging stations.



## Sinopec has energy storage

---



### Addressing climate change

Sinopec has implemented the "energy efficiency improvement" plan, and improved the energy management system. By means of energy conservation in management, technology, new ...

### Technological advancement and industrialization path of Sinopec ...

Abstract Carbon capture, utilization and storage (CCUS) technology is an important means to effectively reduce carbon emissions from fossil energy combustion and ...



### 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 ...

### [Sinopec hydrogen fund to benefit from ¥2bn cash](#)

...

Sinopec Capital, the private equity arm of Chinese state-owned oil company Sinopec, has announced that it will raise ¥1.99bn (\$273m)



from its ...



### [How about Sinopec's energy storage battery](#)

Sinopec's energy storage systems can store excess energy produced during off-peak times and release it during high-demand scenarios, acting as a buffer. This functionality ...

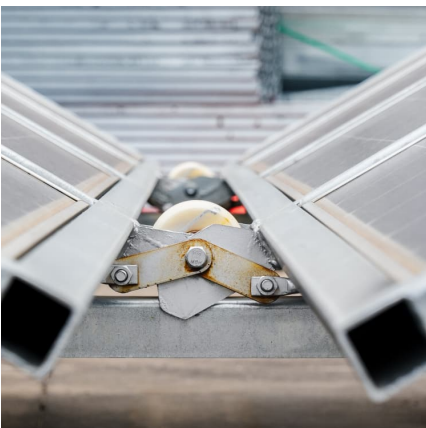


Sinopec has started operating the world's largest solar-to-hydrogen project and the first of its kind in China. The facility in the Xinjiang region includes a PV generation complex, power ...



### **Sinopec's first super charging and swapping integrated energy ...**

The Volkswagen comprehensive energy station has introduced an integrated intelligent management system of "light, storage, charging, and discharging", transforming the ...





### [China's First 10,000-ton Photovoltaic Green Hydrogen](#)

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 ...

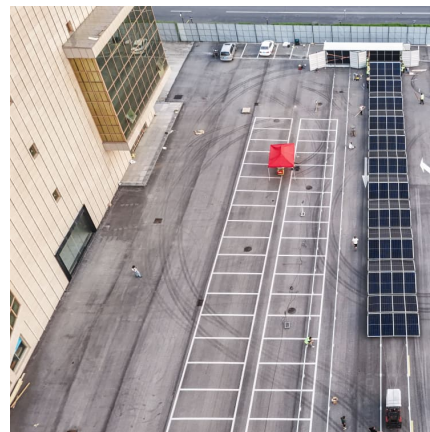


### [The Hydrogen Stream: China starts world's biggest ...](#)

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 ...

### **Sinopec invests in energy storage**

Sinopec's significant investments in CCUS (Carbon Capture, Utilization, and Storage) initiatives underscore the company's commitment to advancing clean energy solutions.



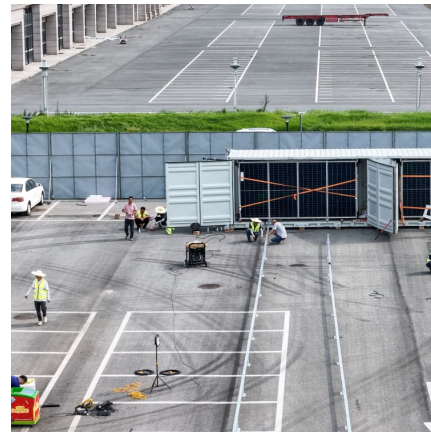
### **Sinopec Launches the World's Largest Green Hydrogen-Coal ...**

Leveraging advanced clean energy production technologies (wind, power, and hydrogen production by water electrolysis), Sinopec has lowered hydrogen production costs and ...



### Sinopec Puts World's Largest LNG Storage Tank Into Operation

China Petroleum & Chemical Corporation (Sinopec) has revealed that the world's largest LNG storage tank was put into operation at its Qingdao LNG receiving terminal in China.



### [China Launches Pioneering Seawater Hydrogen Facility](#)

Sinopec has inaugurated its first large-scale research facility in Qingdao, Shandong Province, for producing hydrogen directly from seawater, ...

### Sinopec accelerates hydrogen energy development to build world ...

Carrying the goal of building China's largest hydrogen energy company, Sinopec will also be promoting clean energy construction through accelerating the transformation of hydrogen ...





### **Guaranteeing energy security across the entire industry chain**

Sinopec has assumed the responsibility of leading industry development, focusing on building an industrial framework centered on energy resources, supported by clean oil products and ...

### [Sinopec Building LNG Storage Tanks At Tianjin Terminal](#)

China's energy giant Sinopec has started building storage tanks in the second phase of its Tianjin terminal project to receive liquefied natural gas (LNG), the company said in ...



### **Accelerating green hydrogen development and refining business**

The Company has launched large-scale projects encompassing renewable energy generation, hydrogen production, storage, and utilization, aimed at promoting large-scale green ...



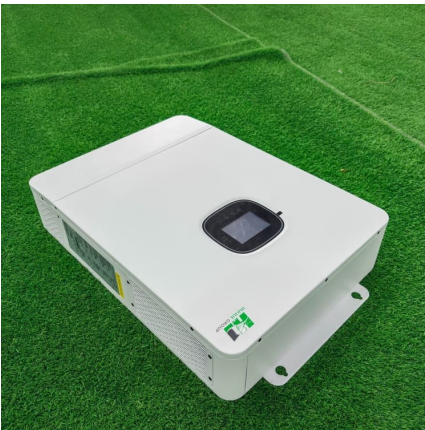
### [Sinopec charging ahead in green hydrogen expansion](#)

The hydrogen refueling operations are expected to further speed up the construction of a safe, stable and efficient hydrogen energy supply ...



[Sinopec contributes its four decades of efforts and ...](#)

Ensuring national energy security Over the past 40 years, Sinopec has continued to increase the intensity of oil and gas exploration; actively planned renewable ...



**Sinopec Announces the Launch of Carbon Footprint Alliance to ...**

BEIJING, Aug. 1, 2024 - China Petroleum & Chemical Corporation (HKG: 0386, "Sinopec") has announced the inauguration of the Energy and Chemical Industry Chain Carbon Footprint ...



**Our Company , Sinopec Crop**

Sinopec Corp. has established a standardized structure of corporate governance and adopted a management system of centralized decision-making, delegated authorities at different levels ...





### Accelerate the cultivation and growth of the hydrogen industry ...

Sinopec has grasped the position of hydrogen energy in the energy system, understood the current development stage of the hydrogen energy industry, and regarded hydrogen energy as ...



### Sinopec has hydrogen energy storage

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 ...

### [Chinese oil giant Sinopec sets up \\$690m hydrogen ...](#)

Chinese state-owned oil giant Sinopec has officially launched a hydrogen-focused venture capital fund, which will have a spending pot of 5bn ...



### [China's First 10,000-ton Photovoltaic Green Hydrogen](#)

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 Joins Consortium in Chinese Push on Green ...](#)

The Central Enterprise Green Hydrogen Energy Production, Storage, and Transportation Innovation Consortium was launched in Beijing on ...



### **Sinopec Launches China's First Megaton Scale Carbon Capture ...**

Creating an artificial carbon cycle model in the push for peak carbon emissions BEIJING, China, July 6, 2021 - China Petroleum & Chemical Corporation (HKG: 0386, "Sinopec") has initiated ...

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

That's exactly what Sinopec, China's largest oil refiner, is pulling off with its groundbreaking energy storage policy. Buckle up--this isn't your grandpa's energy playbook.





## Contact Us

---

For catalog requests, pricing, or partnerships, please visit:  
<https://conrad.edu.pl>