

What does Sinopec do?

With a focus on hydrogen-powered transportation and green hydrogen refining, Sinopec aims to launch itself to become a new energy powerhouse that pioneers hydrogen production innovation in China, facilitating China and beyond to achieve low-carbon targets in the coming years.

What's the latest news from Sinopec?

There's a new development at Sinopec: A fire broke out in a rubber-producing subsidiary of China Petroleum and Chemical Corp. (Sinopec) in the eastern city of Nanjing on Tuesday. The blaze lasted nearly three hours before being extinguished, and the company reported no injuries.

Why is Sinopec launching a green hydrogen plant?

The official operation of the plant, which harnesses solar energy to generate green hydrogen, marks a major stride forward in Sinopec's technological exploration to produce clean hydrogen as it empowers the country to transition to a greener and more sustainable energy system.

What is Sinopec Xinjiang Kuqa?

Sinopec's Xinjiang Kuqa Green Hydrogen Pilot Project Enters Operation, Leading China's Green Hydrogen Development.

Why is China promoting energy storage at the 2025 two sessions?

The buzzword "energy storage" at the 2025 Two Sessions underscores China's strategic focus on building a resilient, sustainable, and diverse energy system, contributing new efforts to a sustainable global future. The country's progress in new-type energy storage highlights how innovation can drive both economic and environmental progress worldwide.

What is new-type energy storage?

This year, "new-type energy storage" has emerged as a buzzword. Unlike traditional energy, new energy sources typically fluctuate with natural conditions. Advanced storage solutions can store excess power during peak generation and release it when needed, enabling greater reliance on renewables as a primary energy source.

We will speed up the planning and development of a system for new energy sources, strengthen our systems for energy production, supply, storage, and marketing to ensure energy security. ...

R&D and Achievements in New Energy and New Materials Technologies ; ... Sinopec's Tianjin #LNG Terminal Phase-2 Project, which is expected to be completed in October this year, will ...

Sinopec has continued to upgrade the heating system and geothermal stations with new energy-intelligent

production, operation, and maintenance management platforms. ...

Previously, CATL and Sinopec already established a solid cooperation in aspects like the construction and operation of integrated energy station, energy storage, energy products, new materials and technological ...

To address the challenges of flexible hydrogen production under fluctuating new energy, Sinopec has independently developed an integrated configuration optimization software for green ...

The partnership strengthens Sinopec and CATL's ongoing work in energy stations, storage, and advanced materials. The collaboration will build smart energy microgrids, featuring solar power, energy storage, charging, ...

The company's commitment to diversifying its energy portfolio emphasizes the importance of energy storage technology in addressing fluctuations in renewable energy ...

A groundbreaking ceremony for a huge green hydrogen plant is held in Ordos on Feb 16. [Photo provided to chinadaily .cn] The world's biggest project using solar and wind power to produce ...

The facility will have a capacity of 16 million barrels of crude and refined fuels. Managing director of Singapore's IHS Purvin and Gertz, a provider of critical information and insight for the oil ...

The new-energy locomotive, which has zero pollution and only emits water, has broad market prospects for use in large factories, mines and ports, the company said. Liu Wei, ...

In addition, Sinopec has set up a 5 billion yuan fund to focus on investments in new materials, new energy, energy conservation, big data and high-end intelligent manufacturing. China's total hydrogen production is 25 ...

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

China has been a global leader in renewable energy for a decade. The buzzword "energy storage" at the 2025 Two Sessions underscores China's strategic focus on building a ...

The collaboration will build smart energy microgrids, featuring solar power, energy storage, charging, swapping, and battery inspection. Moving forward, the two companies will ...

Leading contributors, including China, the United States, and Germany, maintain robust collaborative relationships. Future research trends in LUES include the integration of ...

The explosive growth of the new energy industry in China, for example, will create substantial incremental demand for chemicals used in photovoltaic facilities and wind power storage, while the ...

Industry insiders such as Ma Yongsheng, president of China Petroleum and Chemical Corp, or Sinopec, have called for more preferential policies to develop carbon ...

As part of the project, Sinopec will build a new photovoltaic power station with an installed capacity of 300MW and annual power generation of 618 million kilowatt-hours, an electrolyzed ...

As one of the world's top refiners, Sinopec will expand its business in super-charging and battery swapping, based on its network of more than 30,000 oil refueling stations. The company also plans to build 5,000 more charging ...

Also, it held several industry summit forums such as a transportation energy transformation seminar and a forum on high-quality development of the hydrogen industry chain, giving full ...

Sinopec currently produces 3.5 million tons of hydrogen per year. In 2020, Sinopec started to advance and accelerate the construction of an integrated hydrogen energy industry chain ...

Sinopec releases China Energy Outlook 2060 anchoring new path of energy transformation development. ... achieving carbon neutrality through Carbon Capture Usage ...

The entire industry chain of hydrogen energy includes key links such as production, storage, transportation, and application. Among them, the cost of the storage and ...

R& D and Achievements in New Energy ... The LNG Storage Tank Project Signed by SEG Guangzhou Hits a Major Milestone. Sinopec Launches its Bio-aviation Fuel Shipment to Hong ...

Energy Storage Energy Efficiency New Energy Vehicles Energy Economy Climate Change Biomass Energy Mining and Metallurgy . ... Overall, Sinopec's technology has reached an internationally-advanced level and ...

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B2G technology is transforming electric vehicles from mere transportation tools into dynamic units for energy network regulation. The establishment of numerous battery swapping ...

The Qilu-Shengli Oilfield CCUS will reduce carbon emissions by 1 million tons per year. BEIJING, CHINA, January 29, 2022 - China Petroleum & Chemical Corporation (HKG: 0386, "Sinopec") ...

Spearheaded by Sinopec's New Star Company, the mega project is the largest solar-to-hydrogen project in the world and the first of its kind in China that is equipped with a photovoltaic power ...

It is being built by Sinopec Star Co, a wholly owned subsidiary of China Petrochemical Corp, or Sinopec - the world's largest refiner by volume and the country's biggest geothermal developer. ... hydrogen storage and ...

Over the years, Sinopec's investment in scientific research and advance deployment have given more confidence in the development of hydrogen energy. In ...

Yongsheng Ma, Sinopec's new chairman and its former chief geologist, says there is an urgent need to strike a balance between improved fossil fuel technology and renewables, as the country ...

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