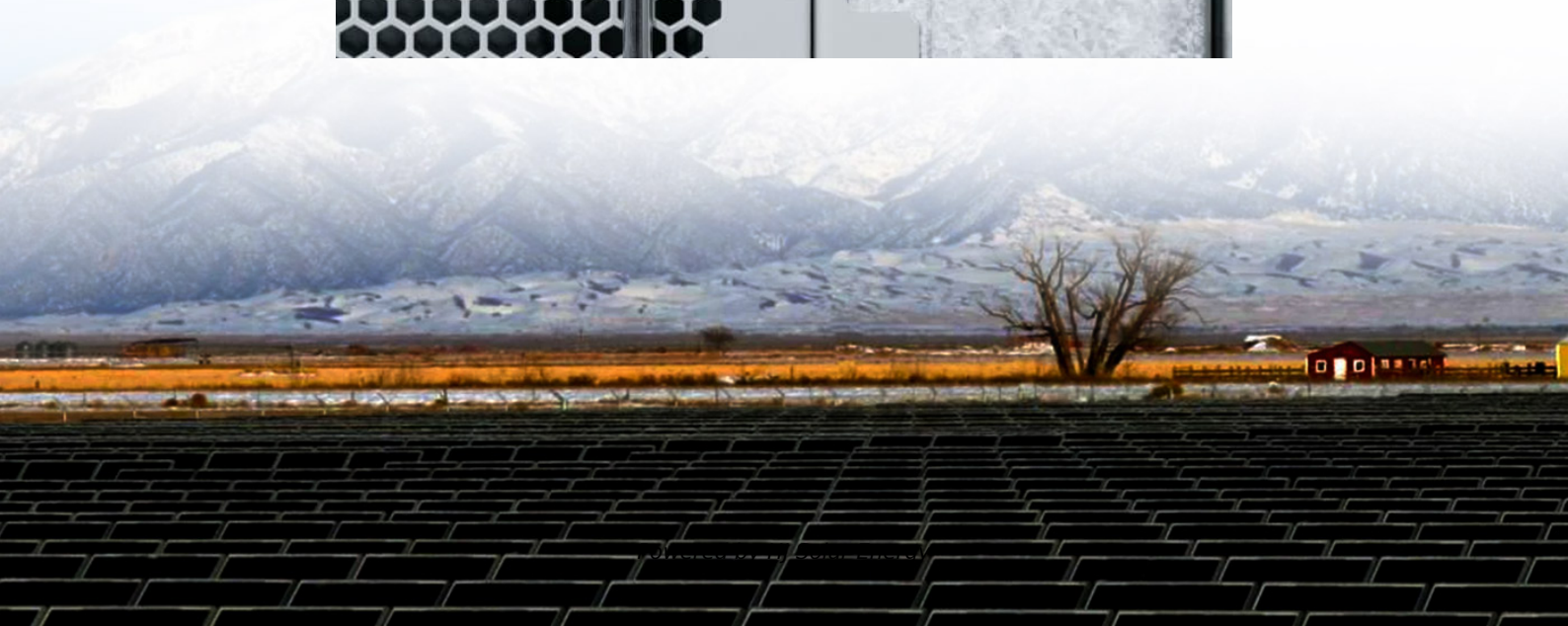


# China energy hydrogen storage financing





## Overview

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2024 analysis of China's hydrogen sector capital market and fundraising: ¥10-12 B raised across 85 deals, 42 % to electrolyzers, foreign investors surge; includes 2025 outlook on policy and IPO paths.

2024 analysis of China's hydrogen sector capital market and fundraising: ¥10-12 B raised across 85 deals, 42 % to electrolyzers, foreign investors surge; includes 2025 outlook on policy and IPO paths.

Electrolyser makers captured 42 % of primary-market funding, with AEM technology surging. Multi-round winners included LONGi Hydrogen and Geely's Farizon Methanol-H<sub>2</sub> unit. Foreign funds (Aramco Ventures, Fortescue, DCM) joined the fray, while state-backed capital pivoted to SAF & green-chemical.

China, which already boasts the world's largest energy-storage capacity, is set to nearly double that level by 2027, with an anticipated investment of 250 billion yuan (US\$35 billion), according to Beijing's latest action plan. As outlined in the action plan, China's "new-energy storage system".

ss on unfolding developments around that topic in China. This disparity is especially notable because China stands as the foremost global player in hydrogen production and consumption.<sup>1</sup> The country's substantial market size and extensive industrial infrastructure not only facilitate fast.

BEIJING, Sept. 12 -- China on Friday unveiled an action plan to promote the development of new forms of energy storage between 2025 and 2027, amid efforts to support green energy transition and ensure the stability of new-type power systems. The country aims to achieve more than 180 million. What is a hydrogen-based chemical energy storage system?

A hydrogen-based chemical energy storage system encompasses hydrogen production, hydrogen storage and transportation, and power production using hydrogen as a fuel input<sup>21</sup>. (See Exhibit 12.) The application of HESS centers around the energy conversion between hydrogen and other power sources, especially electricity.



How much money is invested in China's hydrogen energy sector?

FIGURE 9 Distribution of investment capital across China's hydrogen energy sector, 2022 (Q1-2) Source: EV100\_Plus, Accenture analysis. In 2021, investment in the hydrogen sector totalled just \$578 million, compared to \$489 billion of investment into the new energy vehicle sector.

How much money did China spend on hydrogen in 2024?

Updated 11 June 2025 TL;DR: In 2024 China channelled ¥10-12 billion (≈US \$1.4-1.7 bn) into 85 hydrogen deals. Electrolyser makers captured 42 % of primary-market funding, with AEM technology surging. Multi-round winners included LONGi Hydrogen and Geely's Farizon Methanol-H<sub>2</sub> unit.

What is China's strategy for the development of hydrogen energy industry?

ational strategy and a multitude of regional strategies. Since the release of China's Medium and Long-Term Strategy for the Development of the Hydrogen Energy Industry (2021-2035) (referred to as "the National Plan") in March 2022, there has been.

How much does green hydrogen cost in China?

When the price of renewable energy drops to below CNY 0.15/ kWh (\$0.02) – compared to the current average of CNY 0.5/kWh (\$0.07) – the cost of green hydrogen production can be reduced to less than CNY 15/kg (\$2.18) in the existing technology context, making it economically viable.<sup>10</sup>

What is China's long-term plan for the hydrogen industry?

In March 2022, China issued the Medium- and Long-Term Plan for the Development of the Hydrogen Energy Industry (2021-2035) (hereinafter referred to as "Plan") , making the first nationwide mid-to-long-term plan specifically for the hydrogen industry in China.



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### China Hydrogen Investment Review 2024 - Key Numbers & Trends

TL;DR: In 2024 China channelled ¥10-12 billion (?US \$1.4-1.7 bn) into 85 hydrogen deals. Electrolyser makers captured 42 % of primary-market funding, with AEM ...

### Chinese government launches giant hydrogen pilot programme to ...

For storage pilots, the government sets a minimum capacity of 20,000 normal cubic metres (1,668.6kg). The National Energy Administration aims to set up pilots for ...



### [The International Hydrogen Energy Centre. China](#)

A WAY TO DECARBONIZE INDUSTRY Hydrogen offers a way to decarbonize energy as well as diversify the economy and reduce global greenhouse gas emissions. Green hydrogen sup ...

### Hydrogen energy industry in China: The current status, safety ...

This study analyzes the safety risks of hydrogen energy industry and discusses the problems and future needs for the safe and healthy



development of hydrogen energy ...



### China Hydrogen Industry Outlook

Through power-to-hydrogen conversion, renewable electricity can be easily converted into hydrogen at a large scale for long-term storage, transportation, and energy usage, which ...

### Hydrogen Energy Storage Market Size to Exceed USD 34.56 ...

3 ????· According to Precedence Research, the global hydrogen energy storage market size will grow from USD 18.78 billion in 2025 to nearly USD 34.56 billion by 2034, with a solid ...



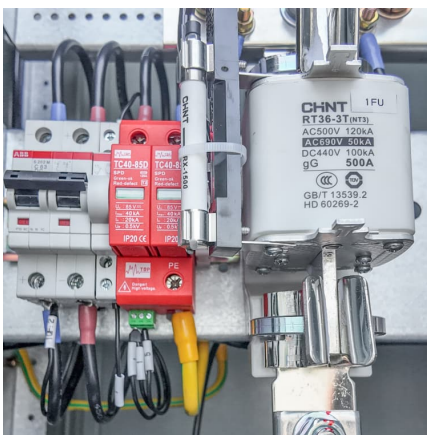
### [Green Hydrogen in China: A Roadmap for Progress](#)

Hydrogen can play an important role in accelerating the transition of the energy sector towards net-zero emissions. But it needs to be clean and at scale. The rapid ...



## Yihuatong Xinjiang Project Won 0.125 billion Central Budget; ...

July 10 to July 14, hydrogen energy industry and what happened? Huaxia hydrogen energy (public number hxqn3060) from the investment and financing and industry two aspects, ...

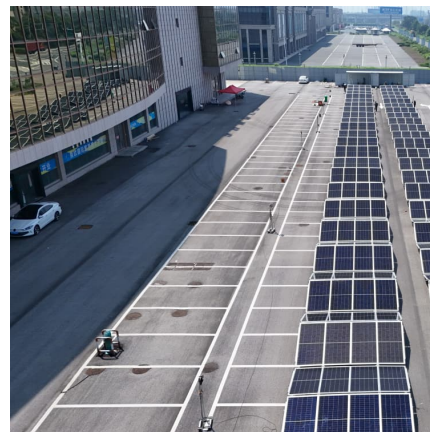


## Comprehensive review of development and applications of hydrogen energy

This ambitious undertaking will involve building an industrial production chain spanning the production, storage, transportation, and utilisation of hydrogen energy by 2030 ...

## [China's Hydrogen Strategy: National vs. Regional Pla](#)

An Overview of China's Hydrogen Landscape  
China holds a substantial share of global hydrogen production, contributing roughly one-third of total output at around 33 Mt per year.<sup>6</sup>  
This ...



## China Hydrogen Industry Outlook

In China, with the booming downstream hydrogen consumption and rapid expansion of hydrogen applications, the upstream renewable energy players are also investing in the hydrogen ...



[\[SMM Hydrogen Energy Industry Weekly Review\] 20250918](#)

1 ???· Guofu Hydrogen Energy: Guofu Hydrogen Energy formally signed a cooperation agreement with South Korea's Hylium Industries, Inc., reaching a consensus on the ...



**China unveils three-year action plan to boost new-type energy ...**

5 ???· China on Friday unveiled an action plan to promote the development of new forms of energy storage between 2025 and 2027, amid efforts to support green energy transition and ...

**EVE Hydrogen Energy Showcases MW-Level Hydrogen Energy Storage ...**

On March 26, EVE Hydrogen Energy unveiled its 1MW AEM Electrolyzer at the 4th China International Hydrogen Energy Exhibition in Beijing, marking China's entry into the ...





### Hydrogen energy forecast to see rapid development in nation

China is poised to experience a boom in hydrogen energy development, driven by strong government policies and a rapid decline in renewable energy costs, according to industry ...

### China is betting big on energy storage as AI drives surge in

The government said it would support research into emerging technologies like carbon-lead, magnesium-ion and flow batteries, as well as the development of compressed air ...



### [China breaks ground on unprecedented project that ...](#)

5 ???· China just kicked off construction on a power project that could reshape what global energy looks like: the world's first large-scale turbine ...

### [THE CHINA BATTERY ENERGY STORAGE SYSTEM ...](#)

EXECUTIVE SUMMARY A Battery Energy Storage System (BESS) secures electrical energy from renewable and non-renewable sources and collects and saves it in rechargeable batteries ...



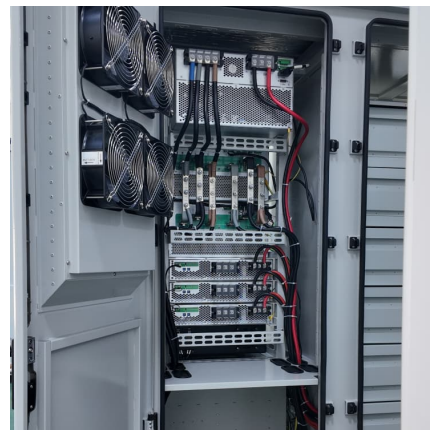
### China to supercharge energy-storage tech with world-leading

2 ???· New plan calls for expansion of energy-storage applications, including more projects in desert areas and at retired coal-fired power plant sites.



### How China is driving the world's advanced energy ...

China has become a global force in advanced energy solutions deployments. Here we showcase the strides it's making in energy storage and ...



### China to supercharge energy-storage tech with world ...

2 ???· New plan calls for expansion of energy-storage applications, including more projects in desert areas and at retired coal-fired power plant sites.





### China's renewable reformation: Financial dynamics in the age of

This study investigates the financial dynamics underpinning China's renewable energy transformation, focusing on hydrogen energy adoption and green finance across 30 ...



### [Guohua Investment Achieves Integrated Operation of ...](#)

This marks the successful integration of the entire chain of "production, storage, and transportation" of renewable hydrogen by the ...



### China's renewable reformation: Financial dynamics in the age of

The efficiency of green financing instruments in fostering hydrogen energy adoption and sustainable energy infrastructure remains underexplored. This study investigates ...



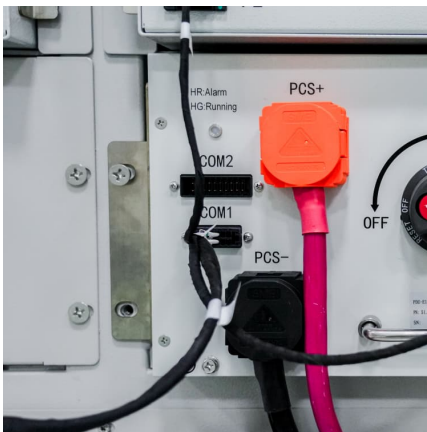
### Next step in China's energy transition: energy storage ...

China's industrial and commercial energy storage is poised for robust growth after showing great market potential in 2023, yet critical ...



### Investment, finance and innovation - Global Hydrogen ...

Spending on infrastructure projects - pipelines, storage and refuelling - remains at a much lower level. Half of the spending on electrolysis projects was in ...



### China's Emerging Hydrogen Economy: Policies, Institutions, Actors

This report provides a comprehensive review of China's emerging hydrogen economy with a particular focus on policy and regulation, both at the national and sub-national level. China's ...

### [New Energy Storage Technologies Empower Energy ...](#)

Foreword Stepping up efforts to develop new energy storage technologies is critical in driving renewable energy adoption, achieving China's 30/60 carbon goals, and establishing a new ...





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