Partnerships and investments set to boost Jiading's hydrogen energy sector

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Jiading District's hydrogen energy sector is set to expand further with new partnerships and ongoing investment in the industrial application of hydrogen power, which the Jiading Hydrogen Park is spearheading as a national benchmark for hydrogen energy development and application.

Schaeffler collaboration

Schaeffler Hydrogen Energy Technology (Shanghai) Co Ltd, Jiading Hydrogen Park and Anlian Hydrogen (Shanghai) Energy Technology Ltd signed a three-party strategic collaboration agreement on November 18.

The three parties will work on environmentally friendly, zero-carbon projects, focusing on important areas like building energy stations and using hydrogen storage in a zero-carbon way.

The strategic partnership not only represents a vivid example of collaborative development across the hydrogen energy industry chain but also underscores the significant achievements of Jiading Hydrogen Park's transformation from being an operator of an industry park to a provider of technology-driven services.

"China is the focal point and core of Schaeffler's global hydrogen energy operations," said Wang Gerui, Global Head of Hydrogen Business at Schaeffler.

He noted that this strategic collaboration with Jiading Hydrogen Park and Anlian Hydrogen Energy represents a significant step in Schaeffler's deepening engagement with China's hydrogen market. In the future, the three groups will work throughout the hydrogen value chain, using Schaeffler's technology and manufacturing skills to turn advanced technologies into real-world uses, which will help speed up the widespread use of hydrogen energy in China.

A model of the Jiading Hydrogen Park — Ti Gong

Jiading Hydrogen Park is Shanghai's first specialized park for hydrogen energy and fuel cell development and has been dedicated to building the ecosystem for the hydrogen energy industry.

Fuel cell cluster

The demonstration project of "Zero-Carbon Hydrogen Power Supply and Energy Storage Integration" was kicked off in December 2024.

In April 2025, Jiading's hydrogen fuel cell industrial cluster received municipal-level recognition; in May, the demonstration project was selected as an outstanding innovation case for Shanghai Climate Week; in June, one core patent gained national certification, with five further patents completed for submission.

Qiu Peng, general manager of the park, stated that the implementation of the demonstration project will drive collaborative development among enterprises along the industrial chain, laying a solid foundation for the large-scale promotion of the industry.

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> **Peng Qianfeng**
> Commercial Director of Schaeffler Hydrogen China

In the view of Xu Jiahao, Deputy General Manager of Jiading Hydrogen Park, it provides conventional business infrastructure services and places greater emphasis on technological synergy and industrial foresight.

It has established a comprehensive support system for enterprises, encompassing policy alignment, technological innovation and matchmaking services.

Peng Qianfeng, Commercial Director of Schaeffler Hydrogen China, expressed profound appreciation of the park's role: "The forecasting of industrial trends offered by the Jiading Hydrogen Park has provided us not only with proactive services but also allowed us to have contact with potential customers."

Brazil's first hydrogen-powered research vessel, The Explorer H1, is showcased at the 2025 United Nations Climate Change Conference in Brazil, which was held from November 10-21. The vessel is powered by hydrogen solutions provided by FTXT Energy Technology, parent company of Jiading-headquartered Shanghai Fuel Cell Vehicle Powertrain Co Ltd. — Ti Gong

Rockwell Automation, the world's largest industrial automation company, has also settled its business in the hydrogen park.

It's expected to provide advanced automation control solutions for relevant projects, helping to establish the park as a flagship for innovation-driven development.

Jiading Hydrogen Park will also take advantage of government support and lead the way in new technology and business ideas for hydrogen energy storage, broadening its uses and partnerships in the area.

Qiu said the park will become a technology-driven hydrogen energy systems solutions provider, enabling enterprise innovation and operational efficiency. This transformation is essential for a globally competitive hydrogen energy industrial ecosystem.

Research vessel

The Explorer H1, Brazil's first hydrogen-powered research vessel, was recently showcased during the 2025 United Nations Climate Change Conference, which was held in Brazil from November 10-21.

The vessel was jointly developed by FTXT Energy Technology, ECO Marine, along with several Brazilian companies such as JAQ, NAUTICA and ITAIPU PARQUETEC.

The vessel has been moored at the port terminal in Belém, Pará State, and is open to the public for viewing.

All systems and equipment aboard the ship, including lighting, air conditioning, galley facilities and entertainment systems, are powered by a hydrogen energy system, enabling zero-carbon emissions. Subsequent stages will involve fuel testing to validate the integrity of its fully hydrogen-powered operational mode.

The hydrogen-powered scientific research vessel unveiled represents FTXT Energy Technology's latest innovative initiative, specifically tailored for maritime operations in South America.

It's using FTXT Energy Technology's comprehensive hydrogen fuel cell system solution to provide power supply through the "mobile marine hydrogen power generation module."

FTXT Energy Technology is the parent company of Jiading-headquartered Shanghai Fuel Cell Vehicle Powertrain Co Ltd, and has been fully leveraging SFCV's hydrogen energy technology capabilities to achieve complete independent development of core components in the hydrogen energy and fuel cell sectors.