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Chinese firms unveil next-gen green hydrogen production project to reshape hydrogen economy globally

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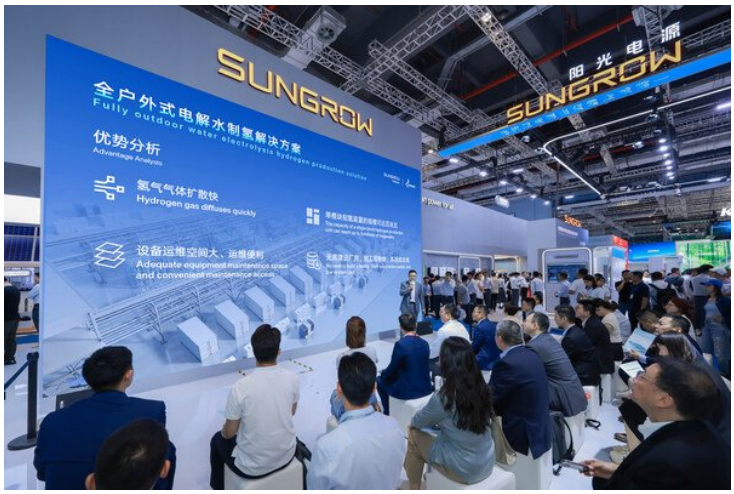
A scalable blueprint for large-scale decarbonization by Sungrow Hydrogen and Wison Engineering continues to be developed for faster deployment and lower costs in the hydrogen economy worldwide



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Sungrow Hydrogen and Wison Engineering reshaping green hydrogen production by launching MegaFlex "Plant-as-a-Product" - a turnkey solution. With its MW-to-GW scalability and fully outdoor modular design, this system allows for faster deployment and lower costs, setting new standards for the world's hydrogen economy. The announcement was made at SNEC 2025.

Pioneering Hydrogen Plant Deployment

The next-generation solution redefines green hydrogen production through its large-scale, globally adaptable design. Combining standardized modular architecture with intelligent engineering, this innovative system embodies the "Plant-as-a-Product" philosophy - transforming conventional project-based construction into a replicable industrial model.

The complete turnkey package integrates core electrolysis equipment with plant-wide utilities and auxiliary systems: power supply, cooling systems, water treatment, and intelligent controls. By significantly reducing delivery timelines, lowering construction costs, and enhancing operational reliability, the solution establishes new benchmarks for efficient, economical, and dependable green hydrogen production worldwide.

Among its capabilities are:

- Safe and reliable hydrogen production with flexible water electrolysis technology
- Quick setup and easy expansion (faster deployment through modular delivery and standardized design for accelerated ROI, with seamless scalability from MW-to-GW level)
- Significant reduction in on-site risks and acceleration of delivery via plug-and-play modular solutions

The groundbreaking productization is a paradigm shift, turning hydrogen plants from complex projects into streamlined, deployable systems. This delivers not only technical excellence but also a scalable blueprint for large-scale decarbonization.