FOR IMMEDIATE RELEASE

SunGreen and HydoTech Enter Strategic Collaboration to Accelerate the Green Energy Transition with High-Performing Electrolyser Solutions

SunGreen and HydoTech Sign MoU to Integrate Advanced Electrode Technology into Electrolysis Technology

21 Oct 2025, HAMBURG - SunGreen, a Singapore-based clean energy technology startup, and HydoTech, a leading alkaline electrolyser original equipment manufacturer (OEM), today announced the signing of a Memorandum of Understanding (MoU) to integrate SunGreen's proprietary high-performance nanoengineered electrodes into HydoTech's alkaline electrolyser systems. The collaboration brings together SunGreen's breakthrough electrode technology with HydoTech's innovative alkaline electrolysis platform to deliver enhanced system performance and reduced hydrogen production costs for industrial applications worldwide.

SunGreen develops and manufactures next-generation electrodes and porous transport layers using proprietary nanostructured coatings that significantly enhance electrochemical performance across multiple energy transition applications. For electrolysers, the company's electrodes are designed to double hydrogen output while reducing energy consumption by up to 20% compared to conventional technologies. Most significantly, SunGreen's technology completely eliminates the use of platinum group metals (PGMs), addressing critical mineral dependency challenges that have hindered large-scale electrolyser deployment and global energy transition supply chains. Additionally, SunGreen's electrodes improve power consumption efficiency by up to 20%, directly reducing operational electricity costs - a critical factor as electricity accounts for 60 to 70% of *levelised hydrogen production costs.*

"This partnership with HydoTech marks an important milestone in SunGreen's journey to scale our advanced electrode platform technology globally," said Tulika Raj, CEO and Co-Founder of SunGreen. *"By integrating our high-efficiency, 100% PGM-free nanoengineered electrodes into HydoTech's advanced alkaline systems, we are enabling the next generation of high-performance electrolysers that are commercially viable for scale and unlock the deployment of more efficient and cost-effective green hydrogen solutions across multiple industrial sectors. Together, we are accelerating the world's transition toward net zero."*

HydoTech has developed its Hydolyser® platform using revolutionary electrolysis technologies designed from first principles. Hydolyser® adopts standardized cells and cartridge stack design, integrated with its self-developed HydoOS® green hydrogen intelligent management system. This enables HydoTech to deliver higher efficiency, enhanced adaptability to green energy, and easier operation and maintenance – driving down the levelized cost of green hydrogen (LCOH) and addressing core industry challenges.

"Exploring the integration of SunGreen's electrode technology with our advanced electrolysis technology aligns with our commitment to continuous innovation and practical implementation," said Gu Junjie, CTO at HydoTech. *"We see potential in this collaboration to further improve our system's efficiency and develop better economic solutions, which could support the broader adoption of green hydrogen across diverse application scenarios."*

Under the MoU, the two companies will collaborate on technical integration, performance validation, and commercialisation planning. The partnership will focus on optimising system design to maximise the benefits of SunGreen's electrode technology within HydoTech's leading alkaline electrolyser architecture. The collaboration comes at a pivotal time for the green hydrogen industry, as demand grows for more efficient and economically viable production solutions to support industrial decarbonisation, renewable energy storage, and the global transition to clean energy.

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About SunGreen
SunGreenH2 Pte. Ltd. ("SunGreen") is an award-winning Singapore-based advanced materials company pioneering nanotechnology-based coatings for high-efficiency, low-cost electrodes. Its proprietary technology enhances the performance, durability and economics of electrolysers, fuel cells, and other clean-energy devices and has been proven at commercial scale in green hydrogen production.

Building on over a decade of cutting-edge research in electrochemistry and nanomaterials, SunGreen manufactures electrodes and porous transport layers that significantly increase hydrogen output while using far less energy and precious metals. Through a unique technology-licensing and materials-supply model, the company enables global partners and OEMs to integrate its high-performance coatings directly into their own manufacturing lines, accelerating the scale-up of affordable green hydrogen and other sustainable energy technologies worldwide.

For more information, visit www.sungreenh2.com

About HydoTech
HydoTech is a global leading green hydrogen technology enterprise, with the vision of carbon neutrality. With more than 20 years' hydrogen industry experience and leading technologies from the founding group, HydoTech has developed the advanced alkaline electrolyzer for the green hydrogen industry — HydoLyser®. With square-shaped standardized cell, cartridge and pressurized stack, and safe & smart system, the HydoLyser® has significant improvements in power efficiency, safety, renewable fitness, and easy maintenance. HydoTech aims to drive sustainable hydrogen development with global energy leaders, and accelerate the renewable energy revolution.