MEDIA RELEASE

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Sparc Hydrogen and SunHydrogen enter into an Agreement for Technology Integration

- **Sparc Hydrogen signs a Technology Collaboration and Intellectual Property Protection Agreement with SunHydrogen**
- **SunHydrogen is a leading US based developer of solar-driven systems for green hydrogen production utilising advanced semiconductor materials**
- **The parties will integrate SunHydrogen's modules within Sparc Hydrogen's reactors for testing under concentrated sunlight**
- **Subject to successful completion of laboratory milestones, the parties will test SunHydrogen's modules at the SHARP pilot facility, followed by a techno-economic analysis**
- **Signing of the agreement follows preliminary testing conducted in Sparc Hydrogen's laboratories demonstrating solar-to-hydrogen efficiencies above 10%**

Sparc Hydrogen is Pty Ltd (a joint venture company between Sparc Technologies (**ASX: SPN | FRA: NLR | OTCQB: SPTCF**), Fortescue Ltd and Adelaide University) is pleased to announce it has entered into a Technology Collaboration and Intellectual Property Protection Agreement (**Collaboration Agreement**) with SunHydrogen Inc. (**SunHydrogen**) (**OTCQB: HYSR**).

Execution of the Collaboration Agreement follows highly encouraging results from the preliminary testing of SunHydrogen modules in Sparc Hydrogen's laboratories demonstrating solar-to-hydrogen (**STH**) efficiencies of above 10%. Preliminary testing has also demonstrated that SunHydrogen's modules are capable of operating under higher solar fluxes at moderate solar concentrations, supporting higher hydrogen production rates. Double-digit STH efficiency represents a significant performance milestone for direct solar water-splitting technologies and supports the potential for further scale-up and commercial development.

Sparc Hydrogen CEO, Ms Alana Barlow commented:

> *"Sparc Hydrogen's strategy is to work with the world's leading developers of photocatalyst and photoelectrochemical materials, and this collaboration with SunHydrogen reflects that approach. We've seen solar-to-hydrogen efficiencies above 10% in the lab, and evidence that higher solar concentration increases hydrogen yield, the core benefit our technology is built to deliver. This agreement sets a clear, milestone-driven path to prove that out to pilot-scale, on terms that open a route to commercialisation"*

SunHydrogen President & CEO, Mr. Tim Young commented:

> *"Seeing our modules tested above 10% solar-to-hydrogen efficiency, and produce more hydrogen as sunlight is concentrated, is exactly the kind of outside validation our shareholders want to see. It is an honour to work alongside Professor Greg Metha, whose pioneering work in concentrated-light photocatalysis underpins Sparc Hydrogen's reactor. This collaboration lets us prove our modules in a system built by specialists in the field, while we stay focused on our core mission of low-cost, decentralized hydrogen from sunlight and water. It gives both companies a clear, milestone-driven path from the lab to pilot scale."*

The purpose of the collaboration will be to assess the technical and economic feasibility of integrating SunHydrogen's photoelectrochemical (**PEC**) and integrated PV-electrolysis (**IPV-E**) modules with Sparc Hydrogen's reactors operating under concentrated sunlight. The collaboration will initially involve laboratory testing at increasing solar concentrations before progressing to on-sun testing at the SHARP pilot plant at Roseworthy for real-world validation. Results from this testwork will form the basis for a jointly funded techno-economic assessment (**TEA**) to be based on an agreed methodology for levelised cost of hydrogen (**LCOH**) calculation and cost reduction potential. The parties are aligned in a common goal for the collaboration which is to jointly achieve a meaningful reduction in the LCOH via integration of their compatible technology platforms.

Sparc Hydrogen's key responsibilities, as outlined in the Collaboration Agreement, include providing its concentrated solar reactor system and SHARP testing facility, undertaking laboratory and pilot-scale testing, optimising its reactor and system for integration with SunHydrogen's technology where required, participating in joint technical reviews and a techno-economic analysis, protecting SunHydrogen's confidential information and intellectual property, and bearing its own agreed project costs. The collaboration is overseen by a joint steering committee, with progression through each phase subject to the achievement of agreed technical milestones and go/no-go decision points. The agreement includes customary intellectual property protections, with each party retaining ownership of its existing intellectual property while improvements to each party's technology remain with that party. Any jointly developed intellectual property is subject to agreed ownership and licensing arrangements designed to support future commercialisation outcomes.

The term of the Collaboration Agreement is 24 months, unless terminated earlier. The agreement provides Sparc Hydrogen with exclusive rights during the term (with a 12-month post-termination non-compete in certain circumstances) in relation to the application of SunHydrogen's technology in concentrated-light applications above an agreed solar concentration threshold, reinforcing Sparc Hydrogen's strategic position in this field. Subject to successful completion of the collaboration, Sparc Hydrogen also has an irrevocable option, exercisable for 18 months, to negotiate either a long-term commercial supply agreement or a manufacturing licence for SunHydrogen's modules for integration into its reactors, together with a right of first offer over competing third-party arrangements during the option period. Within the terms, Sparc Hydrogen has provided an acknowledgement that, as of the Effective Date, it is not developing its own photocatalysts or photoelectrochemical materials and is not working in SunHydrogen's field of single-sun photocatalytic water splitting. While the financial impact of the Collaboration Agreement is not expected to be material to Sparc Hydrogen in the near term, the agreement is strategically significant as it marks a key milestone in advancing Sparc Hydrogen's technology both technically and commercially and sets the parameters for the commencement of further testwork and economic analysis.

About SunHydrogen Inc.

SunHydrogen is developing breakthrough technologies to produce renewable hydrogen in a market that Goldman Sachs estimates to be worth $1 trillion+ per year by 2050. Our patented SunHydrogen Panel technology uses sunlight and any source of water to produce low-cost renewable hydrogen. Like solar panels that produce electricity, our SunHydrogen Panels produce renewable hydrogen. Our vision is to become a major technology supplier in the new hydrogen economy, enabling emission-free hydrogen production for industrial applications such as fertilizer and petroleum refining, fuel cell mobility, and the growing demand for clean energy in data centers and AI infrastructure. SunHydrogen is quoted on the OTCQB Venture Market under the ticker code 'HYSR'. As at 7 August 2026 the Company had a market capitalisation of US$115 million. Further information can be found on SunHydrogen's website: **https://www.sunhydrogen.com/**

About Sparc Hydrogen

Sparc Hydrogen is a joint venture between Sparc Technologies, Fortescue Ltd and the Adelaide University developing next generation green hydrogen technology using a process known as photocatalytic water splitting. This process requires only sunlight, water and a photocatalyst to produce green hydrogen, without an electrolyser. Sparc Hydrogen's patented reactor utilises concentrated sunlight to improve the economics of PWS and to deliver a modular, scalable system. Given lower infrastructure requirements and electricity use, PWS has the potential to deliver a cost and flexibility advantage over electrolysis. Further information can be found on Sparc Hydrogen's website: **https://www.sparchydrogen.com**

Sparc Hydrogen's SHARP Pilot Facility at Roseworthy, South Australia

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