

Sparc, Fortescue and Adelaide University Commit to Fund Next Stage of Sparc Hydrogen

HIGHLIGHTS

- Sparc Hydrogen has advanced to the next stage of **technology scale-up, partnerships and commercial delivery** following successful initial operation of its first-of-a-kind pilot plant
- **Sparc Technologies, Fortescue and Adelaide University have together committed a further A\$1.3M to Sparc Hydrogen**, with all partners participating pro-rata (Sparc Technologies 36%)
- Funding will support **Sparc Hydrogen's collaboration with US-based SunHydrogen**, including planned testing of its high-efficiency water-splitting modules at the SHARP pilot facility
- Funding also supports an **expanded materials sourcing strategy** targeting high-efficiency PEC and IPV-E units which deliver increased hydrogen output and improved production economics

Sparc Technologies Limited (ASX: SPN | FRA: NLR | OTCQB: SPTCF) (Sparc, Sparc Technologies or the Company) is pleased to announce that Sparc Hydrogen has advanced to its next stage of technology development, with Sparc Technologies, Fortescue and Adelaide University committing a further A\$1.3 million in pro-rata equity funding.

The investment follows Sparc Hydrogen's successful progression from early stage operation of its first-of-a-kind SHARP pilot facility and a progression to the second phase of laboratory testing with SunHydrogen under a recently announced collaboration agreement. The new funding will support Sparc Hydrogen's ongoing technology scale-up, partnerships and commercial delivery.

Sparc Technologies Managing Director, Mr Nick O'Loughlin commented:

"We are delighted that Fortescue, Adelaide University and Sparc Technologies are again investing alongside one another to fund the next stage of Sparc Hydrogen's technology development. Over the past four and a half years, Sparc Hydrogen has progressed from laboratory research to operating a first-of-its-kind pilot facility which has provided the platform to work with industry leaders such as SunHydrogen to develop high-efficiency water-splitting systems. The follow-on investment reflects the ongoing commitment of all three shareholders despite the headwinds facing other green hydrogen projects and technologies. For shareholders in Sparc Technologies, Sparc Hydrogen provides unique exposure to a potentially disruptive clean hydrogen production technology alongside our rapidly developing commercial graphene business."



The new funding commitment follows encouraging progress under Sparc Hydrogen's collaboration with SunHydrogen Inc. (**SunHydrogen**) (OTCQB: **HYSR**), announced on [11 August 2026](#). Phase 1 testing has been completed, with SunHydrogen's modules achieving >10% Solar-to-Hydrogen (STH) efficiency in-lab and demonstrating substantially increased hydrogen production per module (yield) under increased solar concentration within Sparc Hydrogen's reactor platform. Phase 2 is focused on optimising the integration of the two technologies ahead of Phase 3 which involves on-sun testing at the SHARP pilot facility early in the new year. Increasing hydrogen output per module provides significant potential to improve system economics and ultimately reduce the levelised cost of hydrogen (LCOH) for the combined technologies.

In addition, the new funding will support an expanded water-splitting materials sourcing strategy including not only photocatalysts, but also photoelectrochemical (PEC) cells and integrated PV-electrolysis (IPV-E) systems. These are all direct solar water-splitting technologies and Sparc Hydrogen's concentrated solar reactor platform is generally compatible to hosting these materials. Sparc Hydrogen has recently hired a Manager of Advanced Materials bringing dedicated expertise to sourcing and evaluating the next generation of water-splitting materials. Sparc Hydrogen's CEO, Alana Barlow, recently provided a comprehensive update on activities which can be accessed via this [link](#).

Sparc Technologies' pro-rata equity investment of ~\$468K in Sparc Hydrogen is being made under the terms of an Offer Notice and Subscription Deed which has been executed by each shareholder. Following completion, expected 1 week from this announcement, Sparc Technologies' shareholding in Sparc Hydrogen will remain unchanged at 36%. A shareholders agreement pertaining to Sparc Hydrogen exists between Sparc Technologies, Fortescue (via MIH2 Pty Ltd) and Adelaide University (via Innovation and Commercial Partners Pty Ltd) which contains customary provisions for a private company of this nature and remains unchanged as a result of this investment.

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



-ENDS-

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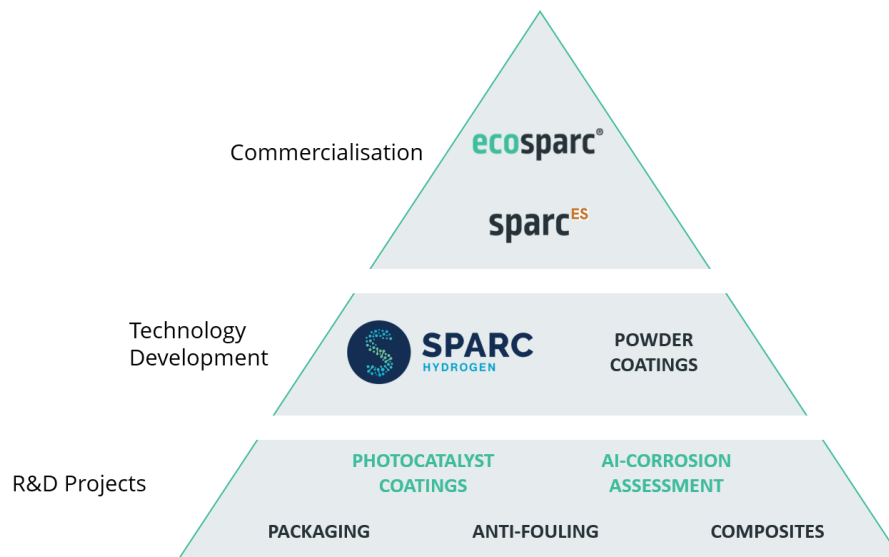
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About Sparc Technologies



Sparc Technologies Limited ('Sparc', ASX: SPN | FRA: NLR | OTCQB: SPTCF) is an Australian technology company developing solutions that enhance environmental and sustainability outcomes for global industries. Sparc has two transformative technology areas in which it works: graphene enhanced materials and green hydrogen. Sparc conducts research and development in-house and has extensive engagement and relationships with the university sector in Australia and globally.

1. Sparc has developed and commercialised a **graphene additive** product, **ecosparc®**, which at low dosages significantly improves the performance of commercially available epoxy-based protective coatings. Sparc has commissioned a manufacturing facility to produce **ecosparc®** and is engaging with global coatings companies and large asset owners on testing, trials and commercial partnerships.
2. **Sparc Hydrogen** is a joint venture between Sparc Technologies, Fortescue Ltd and the Adelaide University which is pioneering next-generation green hydrogen production technology. Photocatalytic water splitting (**PWS**) is an emerging method to produce green hydrogen without electrolyzers - using only sunlight, water and a photocatalyst. Given lower infrastructure requirements and energy use, PWS has the potential to deliver cost and flexibility advantages over existing hydrogen production methods.

For more information about the company please visit: sparctechnologies.com.au

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