



Commercialising Graphene Today
Advancing Next-Gen Hydrogen for Tomorrow

OTCQB Virtual Investor Conference

August 2026

ASX: SPN

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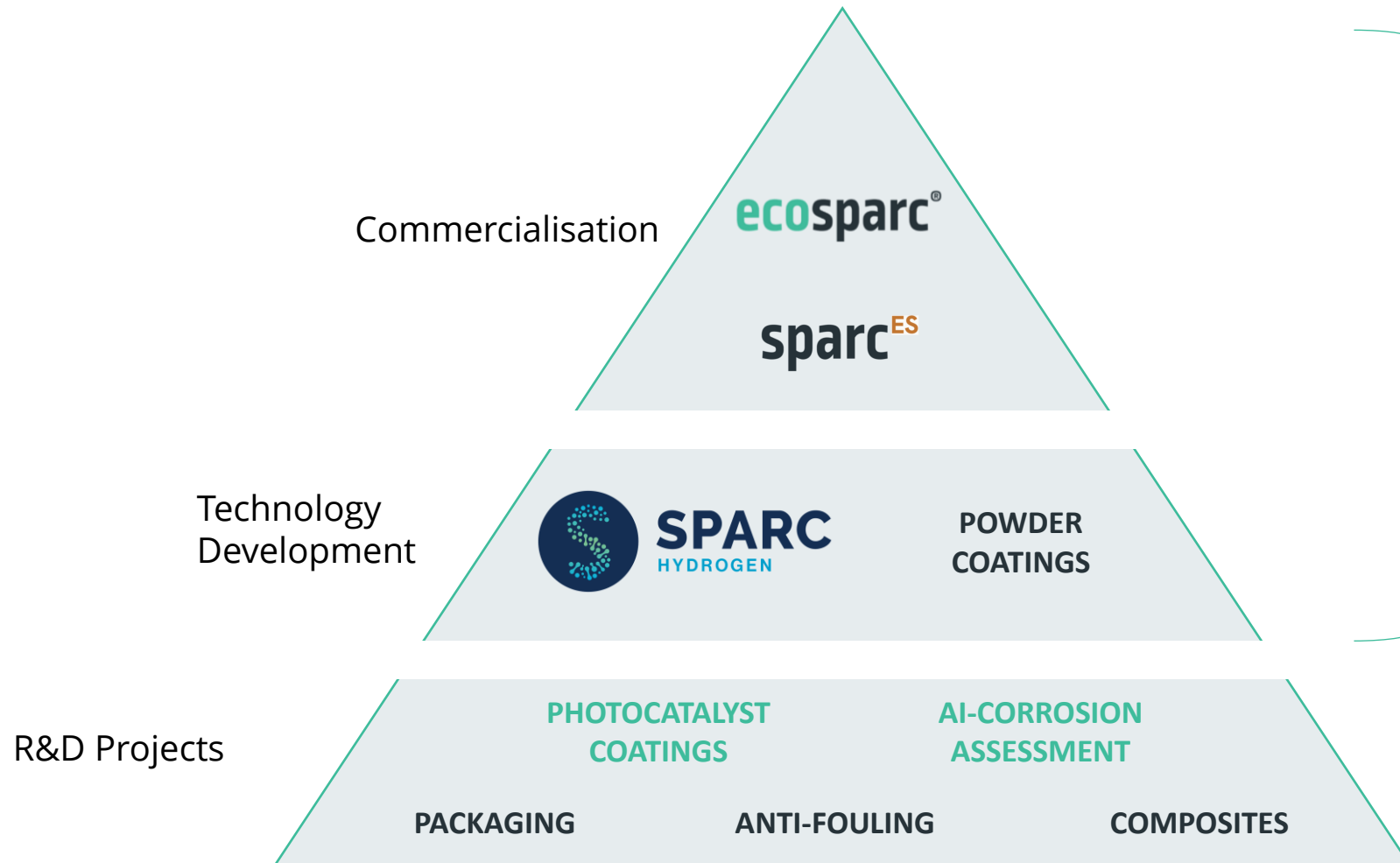
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Sparc's Technology Pyramid



Sparc's clear focus is on commercialising graphene products within the coatings industry and maximising the value of its investment in Sparc Hydrogen

Corporate Snapshot

119m

Shares on issue

A\$0.21

Share price*

A\$25m

Market cap*

A\$1.5m

Cash (30/6/26)

~40%

Top 20 s/holders

Nil

Debt¹

Key Partners & Collaborators



Fortescue.

AkzoNobel



Government of South Australia
Department for Infrastructure
and Transport



HYDROGRAPH

DETMOLD GROUP



* As at 4 August 2026
1. Note: The company has obtained an A\$680k cash advance against its FY26 R&D tax rebate which will be repaid via receipt of that rebate

Board & Management



Nick O'Loughlin
Managing
Director

Nick has 15 years' experience in investment banking and corporate leadership across Australia and the UK. Nick joined Sparc in 2022 and was appointed Managing Director in January 2024. Prior to joining Sparc, Nick was the Chief Development Officer for NYSE listed, Battery Future Acquisition Corp. Nick spent 10 years in investment banking with Rothschild & Co, Standard Chartered Bank and Gryphon Partners covering resources and energy.



Simon Kidston
Non-Executive
Chairman

Simon is a highly experienced company director and former investment banker with over 30 years' experience. He was the founding Director of Genex Power Limited (ASX: GNX), which was acquired by J-Power in July 2024 for an enterprise value exceeding A\$1 billion. Prior to his work at Genex, Mr Kidston had a successful career in investment banking working with Macquarie Bank, HSBC and Helmsec Global Capital.



Daniel Eddington
Non-Executive
Director

Dan has over 25 years' experience in financial markets with experience across multiple sectors including the resource, energy and industrial sectors. Dan specialises in equity capital markets and has been responsible for IPO's, placements, reverse takeovers, underwritings, corporate negotiations and corporate advisory for companies predominantly in the resource and technology sectors.



Kristen Kubank
CFO

Kristen brings over 20 years' experience in the accounting industry. Kristen is a member of The Institute of Public Accountants and was a Director of her own Public Practice Accounting Firm following building and selling a specialist cloud accounting business. Kristen is dedicated in working to create business efficiencies and provide business analytics.



Dr Denis Wright
General Manager -
Graphene

Denis has a PhD in Organic Chemistry with over 25 years' experience in technical based leadership and management roles. Throughout his career, he has worked for both local and global coatings companies within functional materials such as anticorrosive and chemical resistant coatings for industrial use. Denis has held senior regional management roles in the protective and marine coatings field within Wattyl/Sherwin Williams in Australia. Denis joined Sparc in April 2022.



Peter Wenzke
BD Manager

Peter has 25 years' experience in the coatings industry across commercial, marketing and technical roles. He joined Sparc from Sherwin Williams in June 2026, where he most recently served as Australia & New Zealand Marketing Manager for Automotive Finishes. Prior to this he held marketing, product management and R&D roles at Wattyl Industrial Coatings. Peter is based in New South Wales.



Ian Rowell
BD Consultant (US)

Ian has spent over 50 years working in Industrial Coatings for global international paint companies including 39 years with Akzo Nobel. Ian has been a retained consultant for Sparc since February 2022. Throughout his career, Ian has lived in Europe, USA and China, bringing extensive global knowledge of the coatings industry. Ian's roles have ranged from paint chemist to senior leadership positions in Marketing and Corporate. Ian is based in Houston, Texas.

ecosparc[®]
sparc^{ES}

Graphene Additives for High Performance Coatings

AkzoNobel

Dulux[®]


PETROVIETNAM
PV PAINT

BHP

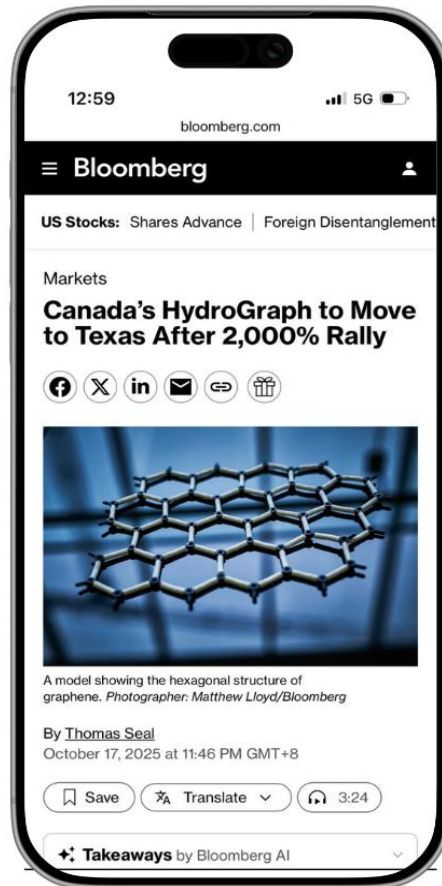
BMA

BHP Mitsubishi Alliance (BMA) is a 50:50 joint venture between BHP Group Limited and Mitsubishi Development Pty Ltd that was formed in 2001.

The Coming of Age of Graphene



Graphene is a Nobel prize winning **super-material** made of carbon atoms arranged in a 2D-lattice which has unique and powerful properties....



"Graphene is starting to prove useful, with applications now appearing in everything from medical gloves to aerospace components."

— The Economist, Science and Technology

"The firm plans to increase its capacity to over 30 tonnes annually by 2028 thanks to the establishment of an additional production plant."

— Reuters, on graphene producer BeDimensional expanding production with EIB funding

"Researchers say they have created the first functional semiconductor made from graphene rather than silicon." — Reuters



Unlocking the Potential of Graphene



To name a few..... **200x stronger than steel, highly flexible, thermally and electrically conductive, high surface area, antimicrobial**

Graphene producers

Focused on the production of graphene, generally using proprietary methods – 700 graphene grades available globally¹

Business model is to sell as much graphene, generally in powders, at the highest possible price

Industry and end-use agnostic



Sparc Technologies

Does not produce graphene; focused on sourcing the right graphene grade(s) for the target application

Business model is to develop and sell industry ready “drop-in” graphene based additives at the best unit price

Industry specialists (coatings and polymers)

Sparc Technologies are global experts in the sourcing, characterisation and dispersion of graphene into industry-relevant additives

1. The Graphene Report, [Advanced Carbons Council](#) (2024)

Global Leader in Graphene Enhanced Coatings



ecosparc® is the market-leading graphene additive for epoxy-based **protective coatings** which significantly boosts anti-corrosive performance

Extensive Data Package

- ▶ **9 rounds** of cyclic corrosion testing to ISO standards and **>4,000 panels** across a range of supporting tests
- ▶ Corrosion performance (creep) improvements ranging from **26% to 79%¹** in a range of epoxy-based protective coatings
- ▶ **~24 months of field-based data** in relevant corrosive environments

Highly Experienced Team

- ▶ Highly credible team: **>120 years** combined experience in global coatings companies
- ▶ >6 years of R&D focused on incorporating graphene into protective coatings and polymers
- ▶ Winner of **Best Paper Award** in collaboration with **Aramco** at 2025 Middle East Corrosion Conference

Proprietary Graphene Sourcing & Dispersion



1. See ASX Announcements published [12 September 2023](#) and [7 October 2020](#)

Validation Achieved Along the Value Chain



Coatings Manufacturers

Public Collaborators & Commercial Customers

AkzoNobel

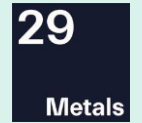


Approach to Market

- ▶ Sparc has been working collaboratively with the protective coatings industry for the past ~4 years
- ▶ Early work was focused on earning credibility within the industry and establishing testing programs
- ▶ Over the past 18 months, positive testing results are leading to product adoption through new coatings product releases and/or upgrades to existing products

End Users

Public Collaborators



Approach to Market

- ▶ Field trials utilising **ecosparc®** enhanced coatings are ongoing for >24 months derisking the product for commercial use
- ▶ Several specification testing programs are underway within the O&G industry with the goal of “pull-through” into the market

Expanding Addressable Coatings Segments



Product & commercial maturity

Coating Segment	Est. Market Size ¹	Coatings Vol. p/a	Customer / R&D Status
Protective & Marine (P&M) ecosparc [®]	~US\$25bn ²	~3.2BL ²	Two commercial customers and significant pipeline under testing and trials
General industrial (excl auto) ecosparc [®]	~US\$7bn ²	~1.5BL ²	Recent water-based testing programs show up to 60% performance improvement ⁴
Conductive and ESD coatings sparc ^{ES}	~US\$1.65bn ²	52ML ²	Product launch mid-2026 Two customer programs underway
Powder coatings	~US\$17bn ²	~7.0BL ²	First-of-its-kind customer specification led program underway
<i>Marine (anti-fouling)</i>	<i>n/a</i> ³	<i>n/a</i> ³	Strong lab and field data being translated to market applications
Total 2030 market size	~US\$51bn	~11.7BL	

1. Reflects market size of the coatings segment in 2030, rather than Sparc's addressable market for additive sales
2. Sourced from Orr & Boss

3. Anti-fouling market is a sub-set of Protective & Marine
4. See ASX announcement [26 August 2025](#)

Expanding Tier 1 & 2 Project Pipeline



Active Tier 1 & Tier 2 projects



21 projects

Tier 1 & Tier 2 projects with identified customer coatings products (A)



13 projects

Tier 1 & Tier 2 projects with confidential customer coatings products (B)



8 projects

Calculated annual coatings volumes for (A)



35ML per annum

Sparc estimated annual coatings volumes for (B)



16ML per annum

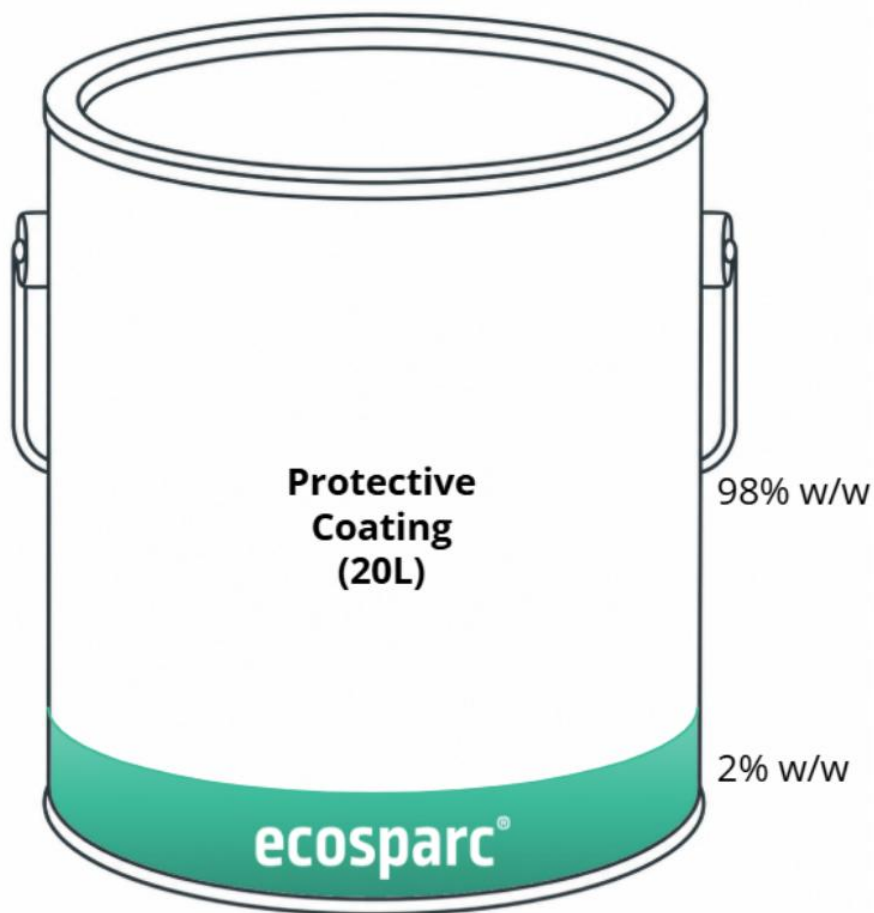
Addressable coatings volume opportunity¹ from Tier 1 & Tier 2 projects (A) + (B)



~51ML per annum

1. As with any target addressable market, there are barriers to accessing a target addressable market, including manufacturing capacity, regulatory requirements, distribution and logistical hurdles, intellectual property protections and barriers to competition. Investors are cautioned that there are no guarantees that a target addressable market can be converted into revenue, and the target addressable market should not be mistaken for a guidance on potential revenue.

Small Dosage Delivers Significant Impact



Low dosage delivers **26% - 79%** improvement in anticorrosive performance¹

Indicative pack price of protective coating: 20L * US\$12.5/L = **US\$250**

Cost of **ecosparc®** contained in protective coating: 20L * US\$1.2/L = **US\$24**

Use Case Examples:



Eiffel Tower
37,500L²



Sydney Harbour Bridge:
30,000L³

1. See ASX Announcements published [12 September 2023](#) and [7 October 2020](#)
2. La Tour Eiffel: [Painting and color of the Eiffel Tower - OFFICIAL Website](#); assume coatings density (kg/L) of 1.60

3. Transport for NSW: [Repainting the bridge - Technology & maintenance - Sydney Harbour Bridge precinct](#) | [Transport for NSW](#)

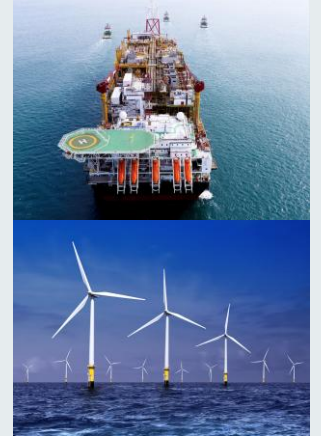
Modular Production Established

- ▶ Sparc has **established commercial manufacturing capacity** to produce enough **ecosparc®** to dose ~4.5ML/annum of enhanced protective coatings¹.
- ▶ Production units are **small** and **modular** and can be rolled out rapidly.
- ▶ Sparc will initially control the manufacturing process to ensure quality and IP protection; toll manufacturing via global partnerships will be considered for future volume expansions.
- ▶ **Sparc's end customers are coatings manufacturers** producing **ecosparc®** enhanced coatings for the oil & gas, mining, infrastructure and marine industries.



1. Additive manufacturing capacity is based on two batches of additive per day, seven days per week from Sparc's existing manufacturing facility in Adelaide; volume of enhanced protective coatings assumes 2% w/w dosage rate and coatings density (kg/L) of 1.60

Scalable & Simple Business Model



**Graphene
sourcing**



**Additive
manufacturing**

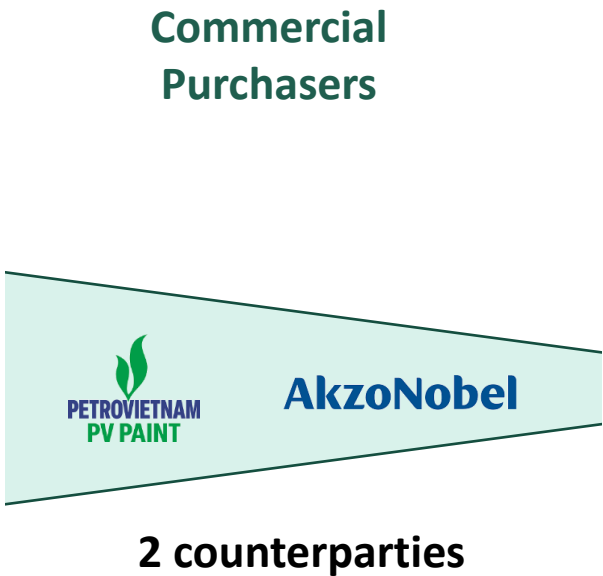
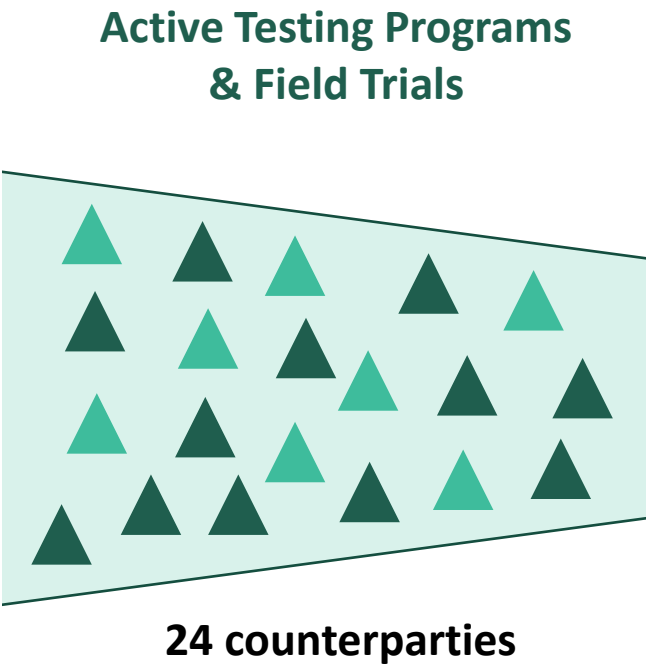
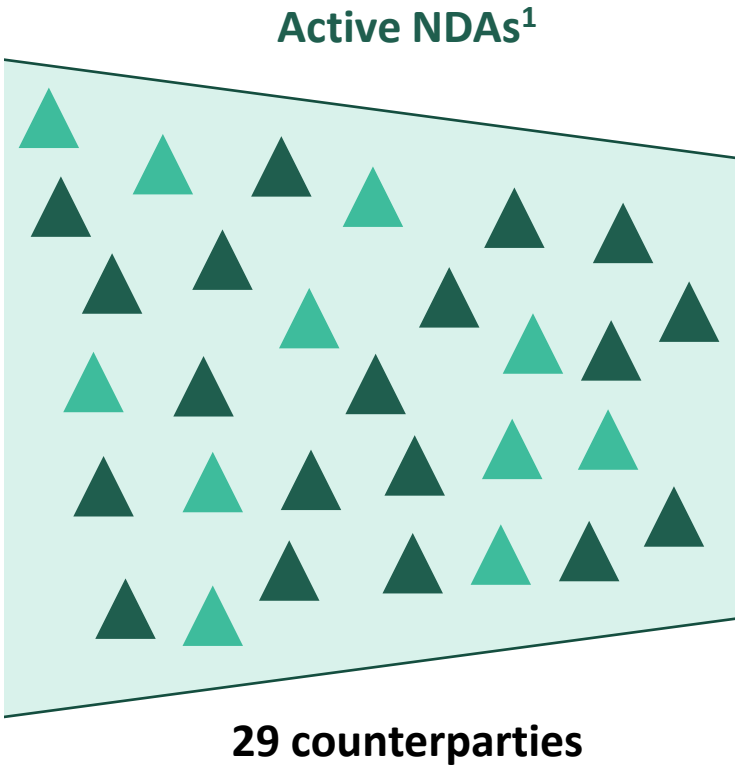
**Additive incorporated in
paint manufacturing**

**End
customers**

Customer Conversion is Progressing



Potential Customer Pipeline Contains Global Coatings Manufacturers & End-users



-  Asset owners
-  Coatings & additive manufacturers

1. Excludes NDAs with graphene suppliers and other service providers.



SPARC
HYDROGEN

Next Generation Green Hydrogen Technology





Introduction to Sparc Hydrogen

Sparc Hydrogen is developing next generation, low cost, green hydrogen production technology

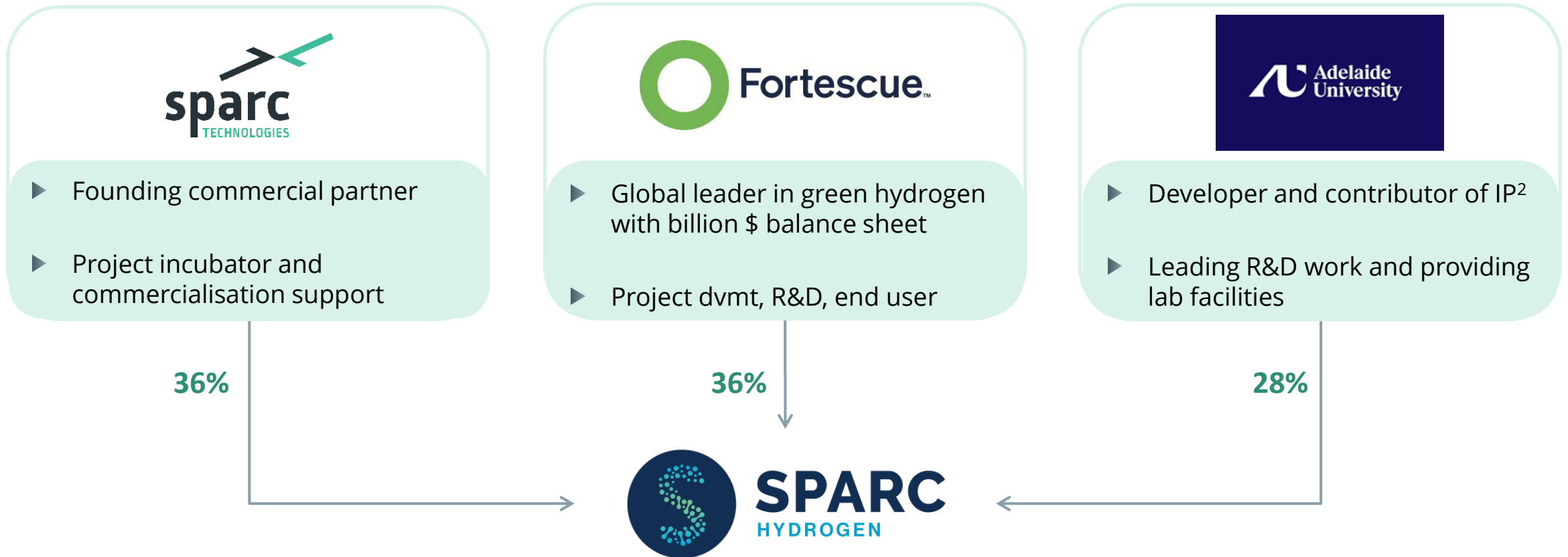
Sparc Hydrogen's Technology

A patented solar reactor demonstrated to improve the efficiency and scalability of photocatalytic water splitting (**PWS**) utilising concentrated sunlight. Given lower infrastructure requirements and energy use, the process has the potential to deliver a cost and flexibility advantage over electrolysis.

Best-in-Class Partners



Post-award of a A\$2.75M Federal Govt grant, funding for the joint venture is secured thru 2026¹

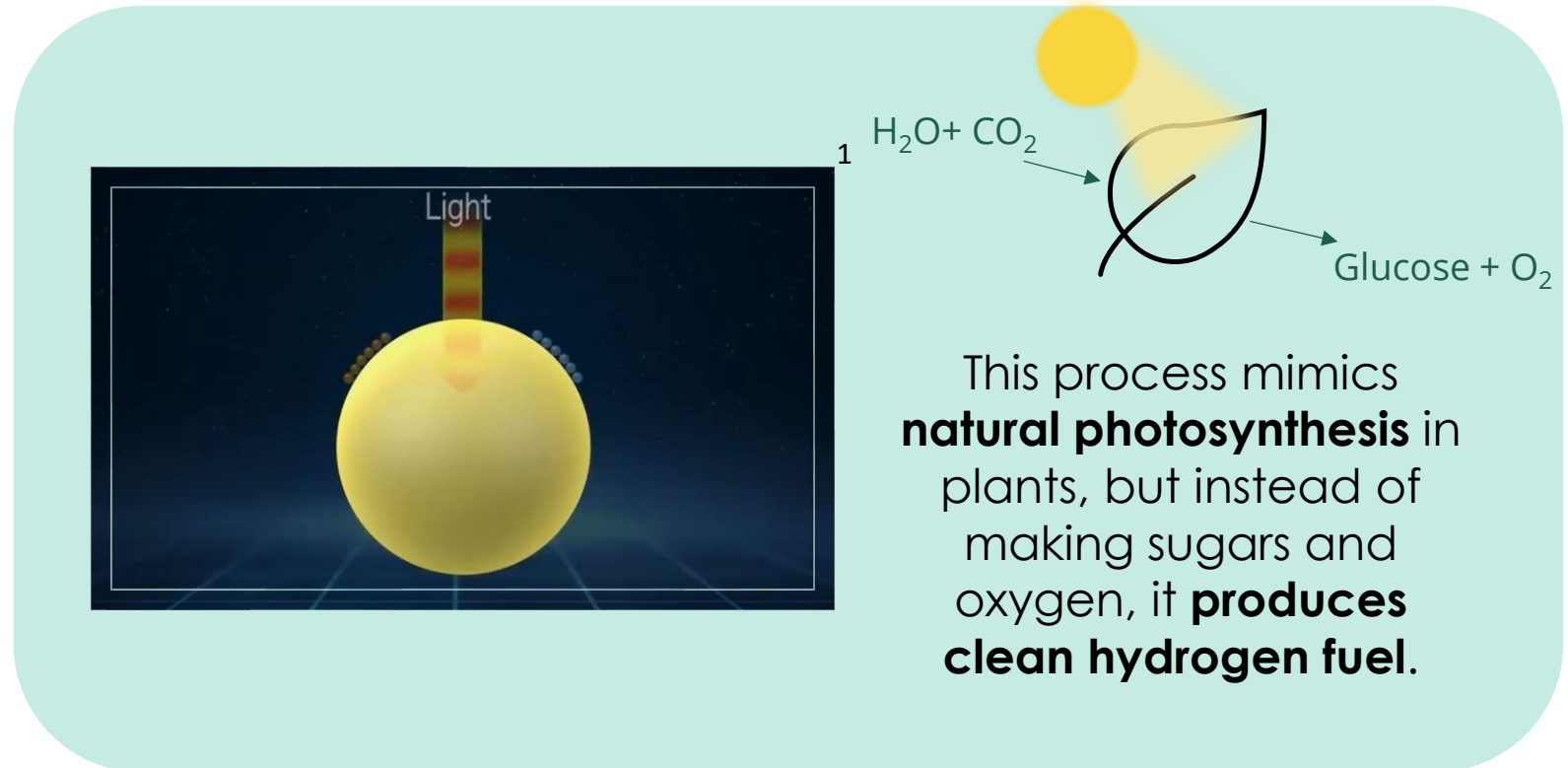




What Is Photocatalytic Water Splitting?

Sparc Hydrogen is progressing commercialisation of a process called photocatalytic water splitting (PWS) which converts water into hydrogen and oxygen, using only sunlight

- ▶ PWS is an artificial photosynthesis process used for the dissociation of water into hydrogen (H_2) and oxygen (O_2), using light.
- ▶ The three key ingredients for successful PWS are:
 - Sunlight;
 - Water;
 - High efficiency, durable photocatalyst materials.
- ▶ Sparc Hydrogen is developing scalable, low cost reactors in order to commercialise PWS using concentrated sunlight.





Patented Reactor Technology

Sparc Hydrogen's patented reactor technology utilises concentrated solar energy to drive more efficient and cost-effective green hydrogen production using photocatalytic water splitting (PWS)



**First gas
production
achieved Dec-25**

- **Advantages of Sparc Hydrogen's unique reactor for photocatalytic water splitting include:**
 - Reduced photocatalyst use for a given hydrogen production rate;
 - Simple integration with modular and scalable concentrated solar infrastructure; and
 - Increased reaction efficiencies and by-product heat generation.

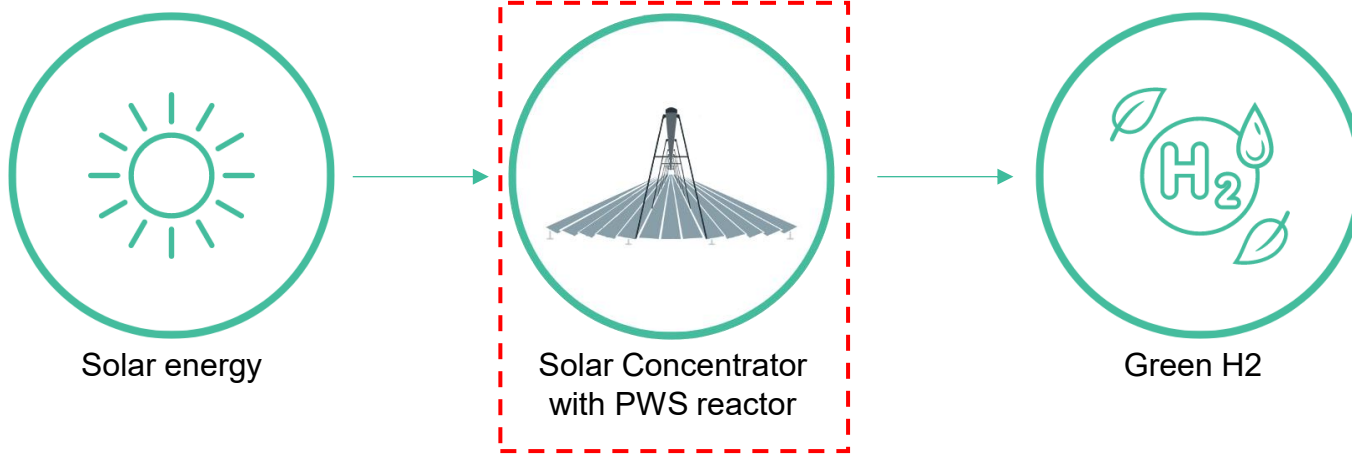
Pilot plant flyover video link:

https://www.youtube.com/watch?v=C8eST_uV6VY



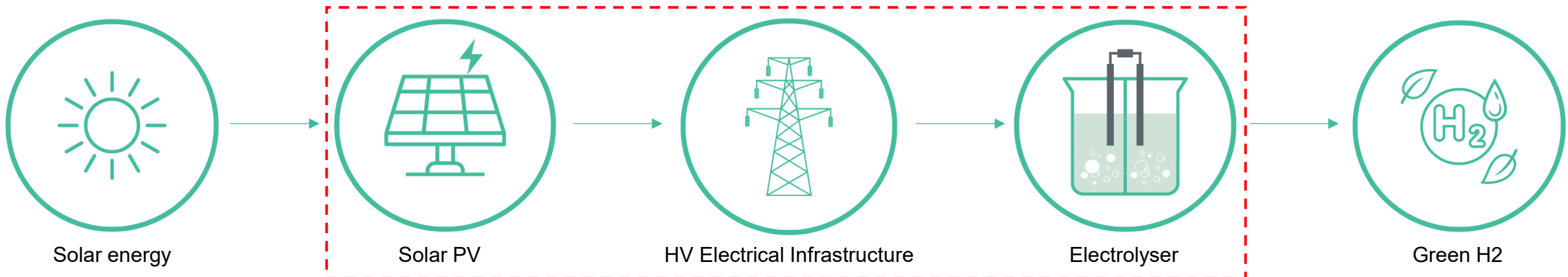
Simple, Low Cost Infrastructure is Key

Next Generation Tech: Photocatalysis



**Low infrastructure
requirements / capex**

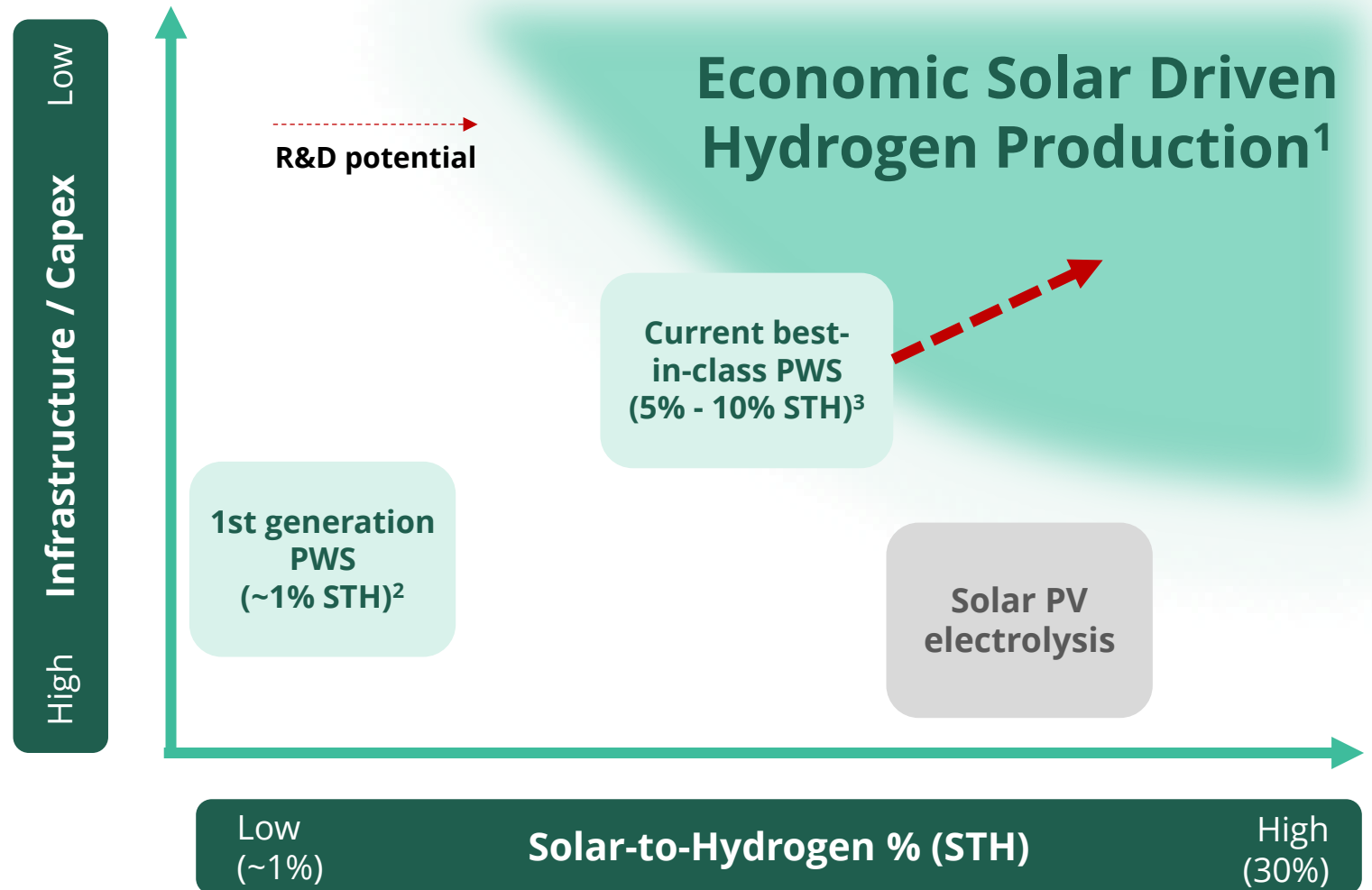
Incumbent Tech: Electrolysis



Economic Drivers & Potential of PWS



- ▶ The economic viability of solar driven electrolysis and PWS is directly related to both capital intensity and energy conversion efficiency (**STH %**), which in turn determines the hydrogen production rate & economics.
- ▶ Incumbent technology (Solar PV + electrolysis) is limited by already high energy (STH) efficiencies approaching theoretical limits and costly infrastructure requirements.
- ▶ With further research & development, next generation PWS technology provides high potential for low cost H₂ production⁴ via:
 - Improvements in energy efficiency relative to current best-in-class photocatalyst materials (**~10% STH**) compared to achievable limits of ~30%⁵.
 - Scaling of simple, low-cost reactor infrastructure such as is being developed by Sparc Hydrogen.

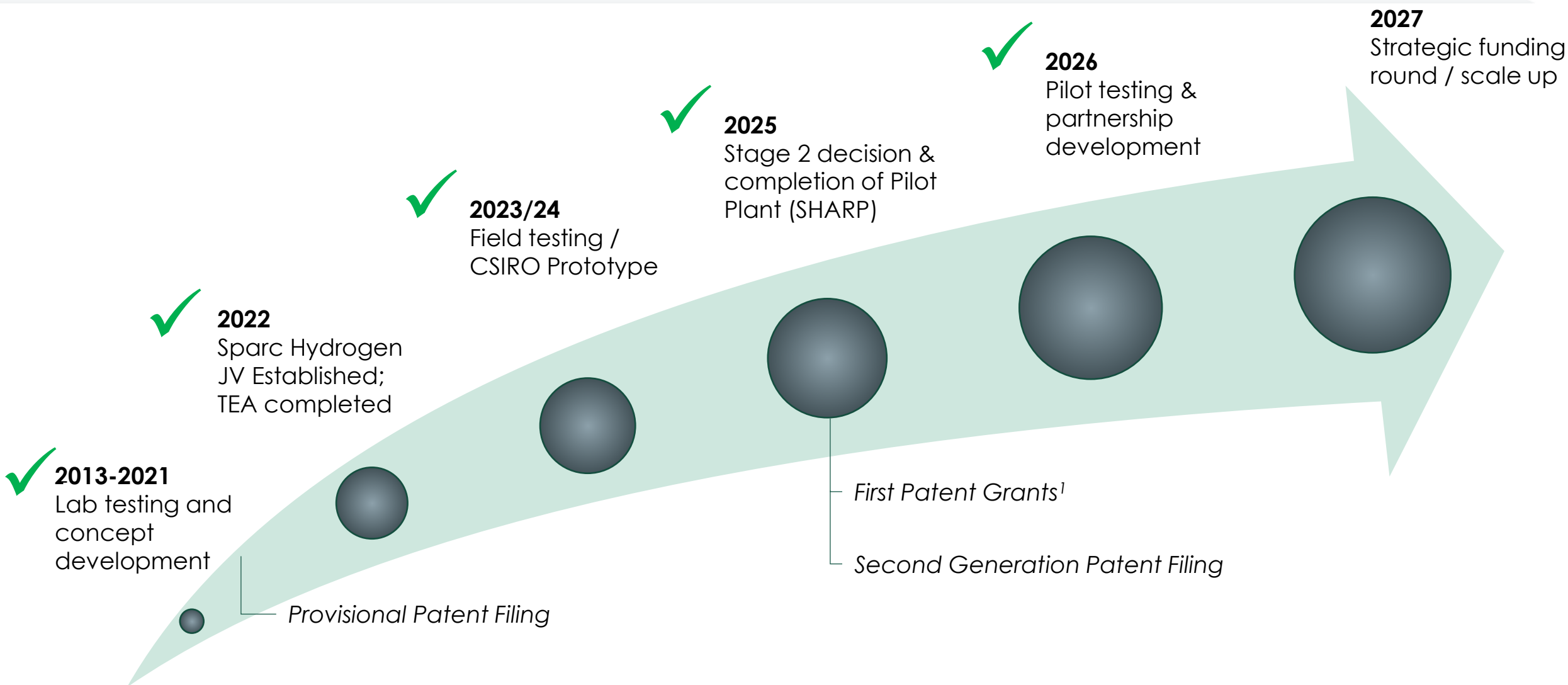


1. Adapted from: Chem. Soc. Rev., 2019, 48, 1908-1971
 2. Nature 598, 304-307 (2021)

3. Molecules 2024, 29(24), 6003
 4. See ASX Announcement 12 October 2022

5. MRS Bulletin, 36(1), 17-22

Development Pathway



1. Sparc Hydrogen's core technology is currently patented in Japan, Chile, Morocco, Saudi Arabia and South Africa with 13 other jurisdictions either under or pending review



The Path to Price Parity



NO ELECTROLYSERS

Direct solar-driven water splitting eliminates the cost of electricity for water splitting — up to 90% of the levelized cost of hydrogen (LCOH).



SUNLIGHT + WATER

Only two inputs: concentrated sunlight and water. No high voltage electricity grid connection needed.



SCALABLE ECONOMICS

Solar concentrators can be manufactured at scale — a pathway to genuinely low-cost hydrogen.



ZERO EMISSIONS

Truly green — zero carbon from production. Fully aligned with global net-zero commitments.

Sparc Hydrogen's technology is designed to achieve price parity with fossil-based hydrogen — making green hydrogen an economic reality, not just an environmental aspiration.

UNIQUE INVESTMENT OPPORTUNITY



2026 Priorities



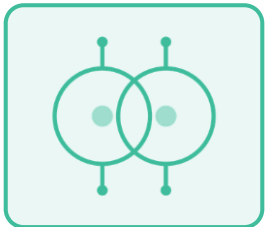
Global rollout of **ecosparc®**

Sparc is actively working with global coatings leaders and further product releases are expected in H2 2026.



Consolidate **market leadership**

In PWS green hydrogen technology through partnering with leading photocatalyst developers.



Deepen **strategic partnerships**

With key graphene and other industry players to validate, support and accelerate commercial deployment.



Enhance **profile & liquidity**

In US and European markets through targeted engagement and secondary listings.

Investment Highlights



- ▶ **Innovative Technologies with Unique and Leading Market Positions:** Provides two shots at major market disruption over the next 6 – 12 months.
- ▶ **Strong Partners Provide Validation and Market Access:** The Company is working with industry leaders across both technology segments providing expertise and access to markets.
- ▶ **ecosparc®** offers growing revenue potential within the multi-billion dollar protective and marine coatings markets with additional blue-sky through R&D projects in sustainable packaging, antifouling and AI.
- ▶ **Sparc Hydrogen:** Joint venture is fully funded through pilot plant testing which is expected to accelerate partnerships and derisk commercial scale-up.
- ▶ **Valuation Upside:** Graphene and hydrogen peers trade at materially higher valuations despite being less advanced. With **ecosparc®** achieving commercial adoption and a next-generation hydrogen production pilot operating, Sparc Technologies offers clear re-rating potential.

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