

Sparc to Trial **ecosparc**[®] Coating with Santos at Port Bonython

HIGHLIGHTS

- Sparc and Santos have signed a binding trial agreement
- An **ecosparc**[®] enhanced anti-corrosive coating will be tested at Port Bonython on the Upper Spencer Gulf, South Australia
- The trial will compare performance of the **ecosparc**[®] enhanced coating with a market-leading anti-corrosive coating under highly corrosive conditions
- Results from the trial will be used to assess **ecosparc**[®] enhanced coatings for inclusion on Santos' coatings specification which, if successful, would allow for commercial use

Sparc Technologies Limited (ASX: SPN) (Sparc, Sparc Technologies or the Company) is pleased to announce the execution of a binding agreement (**Trial Agreement**) with Santos Limited (**Santos**). The Trial Agreement details the terms and conditions under which Sparc and Santos will conduct a collaborative field trial involving the application of an **ecosparc**[®] enhanced coating at Port Bonython in the Upper Spencer Gulf, South Australia. The results of the field trial will be used to assess **ecosparc**[®] enhanced coatings for inclusion on Santos' coatings specification which, if successful, would allow their use by Santos on commercial projects.

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

*"Sparc is very pleased to be working with Santos, one of Australia's leading energy companies, to complete field trials of an **ecosparc**[®] enhanced coating at Port Bonython in South Australia. The trial is being established with a view to specifying **ecosparc**[®] enhanced coatings which would allow for commercial use. This is a key step towards commercialising **ecosparc**[®] and we thank Santos for the innovative approach they have shown by supporting this trial."*

The Trial Agreement with Santos represents a continuation of Sparc's strategy of working with asset owners across government, defence, mining and oil & gas to demonstrate the performance of **ecosparc**[®] enhanced coatings in relevant real-world environments. The conditions at Port Bonython are highly corrosive and represent an ideal use case for **ecosparc**[®] enhanced coatings. The field trial will provide valuable performance data, building on over 5 years of research and development and >10,000 data points from accelerated cyclic corrosion testing conducted by Sparc. Importantly, this agreement underscores growing market interest from key industry players for superior anti-corrosive coatings. This Trial Agreement is strategically important as it represents another key milestone in validating Sparc's graphene based additive product with a large asset owner on critical infrastructure in relevant real-world environments.



Figure 1: Port Bonython, South Australia

About **ecosparc**[®] - A performance additive for Protective Coatings

Sparc Technologies has conducted over 5 years of research and development on **ecosparc**[®], its flagship graphene based additive product. The addition of very small quantities of **ecosparc**[®] to conventional protective coatings, has demonstrated >40% anti-corrosion improvement in commercially available epoxy-based coatings, ensuring the reliability, longevity, safety and cost-effectiveness of the steel infrastructure they cover.

In 2023, the Company commissioned its **ecosparc**[®] commercial production facility. The facility enables Sparc to provide commercial quantities of graphene based additive product for the coatings industry and to support field trials. Multiple global coatings companies are undertaking product evaluation of **ecosparc**[®] in their anti-corrosive coatings. Further to this, Sparc is progressing a campaign targeting asset owners with a view to conducting field trials utilising **ecosparc**[®] enhanced coatings on key steel infrastructure such as frames, tanks and structures in a variety of corrosive environments. Infrastructure owners being targeted include government, defence, mining, and oil and gas companies.



-ENDS-



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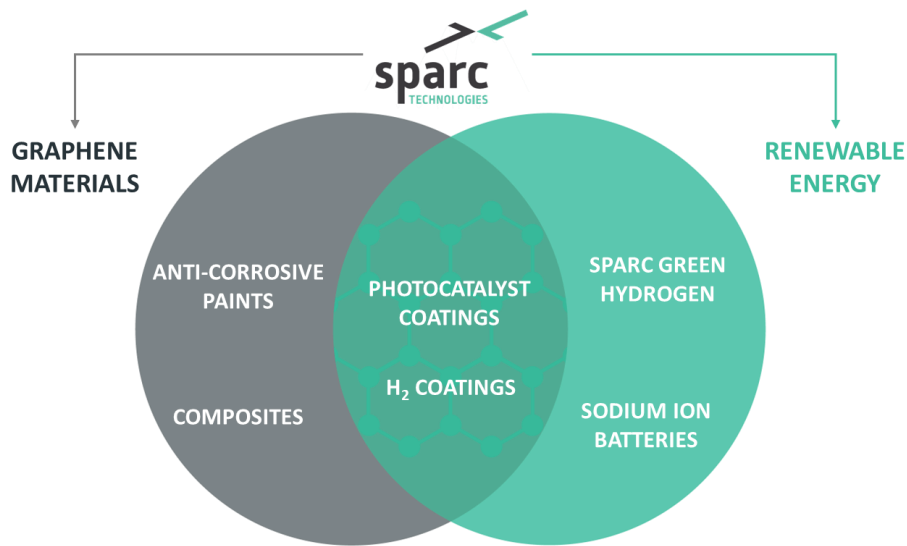
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About Sparc Technologies



Sparc Technologies Limited ('Sparc', ASX: SPN) is an Australian company pioneering new technologies to disrupt and transform industry while seeking to deliver a more sustainable world. Sparc has established offices in Australia, Europe and North America and is focused on three core areas of technology development.

1. Sparc is the majority shareholder of **Sparc Hydrogen** which is a company pioneering the development of a **photocatalytic water splitting** (PWS) green hydrogen production technology. PWS is an alternative to producing green hydrogen via electrolysis, using only sunlight, water and a photocatalyst. Given lower infrastructure requirements and energy use, the process has the potential to deliver a cost and flexibility advantage over electrolysis.
2. Sparc has spent over 5 years developing a **graphene based additive** product, **ecosparc**[®], which has demonstrated >40% anti-corrosion improvement in commercially available epoxy-based coatings. Sparc recently commissioned a manufacturing facility to produce **ecosparc**[®] and is engaging with global coatings companies and asset owners to conduct field trials.
3. Sparc is also developing sustainable **sodium ion battery anode technology** utilising agricultural bio-waste materials.

For more information please visit: sparctechnologies.com.au

For more information about **ecosparc**[®] please visit: ecosparc.com.au

For more information about Sparc Hydrogen please visit: sparchydrogen.com

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