

## Sparc Progresses Commercial Manufacture of Graphene Based Additives for the Coatings and Composites markets

### HIGHLIGHTS

- ▶ Construction of a modular and scalable manufacturing facility for graphene based additive products underway with commissioning expected in Q1 CY23
- ▶ Manufacturing facility, for which the key capital components have been paid for in full from cash reserves, will support the production of commercial quantities of graphene based additives for the growing global coatings and composites markets
- ▶ Provisional Patent filed for Graphene Based Additive technology associated with Anticorrosive Epoxy Coatings
- ▶ Product trials and partnership discussions well advanced with global tier 1 and 2 coatings companies
- ▶ Sparc to showcase technology and present at the world renowned AMPP Coatings Conference in Denver Colorado in March 2023
- ▶ Current cash as at 30 November 2022 was \$4.085m. Substantial R&D rebate to be received in Q1 2023

Sparc Technologies Limited (ASX: SPN) (Sparc, Sparc Technologies or the Company) is pleased to provide an update on the advancement of a number of significant activities that enable the commercialisation of Sparc's graphene based additive products.

### Sparc Technologies Managing Director , Mike Bartels commented:

*"We are pleased to advise that all equipment for the graphene based additives manufacturing facility has been delivered to site and construction is now underway. This will enable Sparc to supply our global customer base with commercial quantities of ecosparc product for the coatings and composites markets.*

*Our on-going comprehensive testing program with global tier 1 and 2 coatings companies continues to demonstrate the significant performance improvement of coatings and composites materials employing our products. By improving coatings performance the frequency of asset maintenance can be significantly reduced which subsequently serves to reduce costs and importantly the environmental footprint associated with such activities."*

## Graphene Manufacturing Facility

Construction of a modular and scalable manufacturing facility, which has been fully expensed, for graphene based additive product is underway in Adelaide with commissioning expected in Q1 CY23. This facility, employing proprietary know-how, will enable the production of commercial quantities of graphene based additives for the growing global coatings and composites markets.

The commissioning of this production facility is a substantial vote of confidence in Sparc's ability to reach commercial agreements with our potential customers and an endorsement of the rigorous technical programs the Company has undertaken with numerous global tier 1 and 2 coatings companies. This significant step of being able to produce commercial quantities of graphene additive product will further support advanced technical and commercial collaboration discussions with global coatings customers.

Importantly, the facility can readily accommodate large scale manufacturing to meet customer demand. In addition, the proprietary know-how and intellectual property supporting Sparc technology is being protected with provisional patent filings, the first of which is in the field of anti-corrosive coatings. A number of further patent filings will occur in early 2023.

## Graphene Based Additives

One of the key challenges the graphene industry has faced, is that of successfully incorporating graphene into targeted materials. Graphene tends to re-agglomerate and as such homogenous dispersion is vital if graphene is to impart its unique and varied attributes when incorporated into targeted materials. This challenge was recognised by Sparc and through a range of unique processes, Sparc has addressed this issue which will benefit companies involved in the production of both coatings and composite materials.

### Coatings and Composites



Sparc has continued to develop considerable expertise in the characterisation, formulation, adoption, testing and manufacture of graphene based additive products; expertise that is increasingly recognised within industry.

## The Association for Materials Protection and Performance (AMPP) Conference

Sparc will be attending and delivering a technical paper at the AMPP Annual Conference + Expo which will be taking place in Denver, Colorado in March 2023. AMPP is the leading global source of knowledge, innovation, networking, and collaboration for the coatings and corrosion industry. A digital marketing campaign will commence in December in support of our attendance at this global conference.



-ENDS-

**Authorised for release by:** Stephen Hunt, Executive Chairman.

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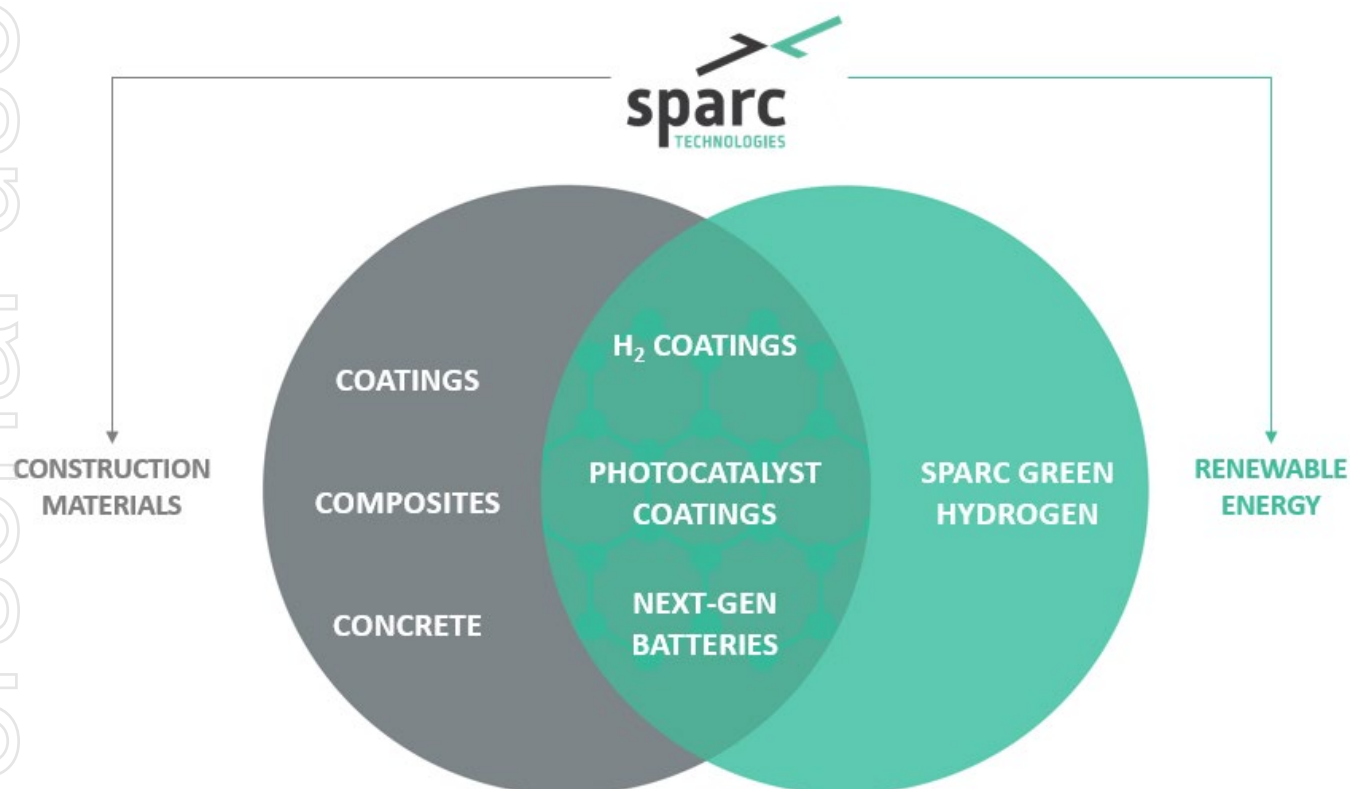
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**About Sparc Technologies**



Sparc Technologies Limited (ASX: SPN) is an Australian company pioneering new technologies to disrupt and transform industry while seeking to deliver a more sustainable world. Sparc Technologies has established offices in Europe and North America.

Graphene, a major focus for Sparc Technologies, is a 2-dimensional material made of carbon atoms arranged in a hexagonal lattice which creates unique and powerful properties that can be imparted on products to improve performance. Sparc Technologies is commercialising graphene in a number of applications including Graphene Based Additives for the Marine & Protective Coatings market along with applications in the renewable energy and construction materials sectors.

Sparc Technologies, via its majority interest in Sparc Hydrogen, is also focussed on developing photocatalytic green hydrogen technology that does not require solar and/or wind farms, nor electrolyzers as with conventional green hydrogen processes.

