

Sparc Expands Graphene Additive Range with Launch of SparcES™

HIGHLIGHTS

- **Launch of SparcES™, a new additive range for electrostatic (ESD) and conductive coatings**
- **ESD and conductive coatings are mission critical in data centres, semi-conductor and EV battery manufacturing plants**
- **SparcES™ additives have been developed over ~24 months and offer both commercial and technical benefits over graphite and other currently used conductive pigments**
- **Sparc has received strong inbound interest in ESD coatings over the past 6 - 12 months with two product development programs with customers underway**

Sparc Technologies Limited (ASX: SPN | FRA: NLR | OTCQB: SPTCF) (Sparc, Sparc Technologies or the Company) is pleased to announce the release of a dedicated graphene additive product range for electrostatic (ESD) and conductive coatings: **SparcES™**.

The SparcES™ product launch follows ~24 months of electrical conductivity testing in coatings using a variety of graphene sources and polymer resins. This benchmark testing within Sparc's laboratory has demonstrated high levels of variability in the conductivity of graphene enhanced coatings depending on material selection and dosage. Based on this work, a third party market study, and customer feedback, Sparc believes there is a significant opportunity for correctly sourced and well dispersed graphene to replace current conductive additives (graphite, carbon black, carbon nanotubes and metal nano-wires, among others) used within a wide range of ESD and conductive coatings. The available benefits through using SparcES™ additives include lower dosage rates, better material handling, increased coatings durability, higher opacity and lower raw material costs. Marketing of the SparcES™ products will leverage Sparc's existing relationships within the coatings industry through its market leading graphene additive for protective coatings: ecosparc®. Two product development programs with customers are currently underway utilising SparcES™ products.

Sparc Managing Director, Mr Nick O'Loughlin commented:

"ESD and conductive coatings are a major growth area within the coatings industry due to the rapid build out of data centres, semi-conductor and EV battery manufacturing plants. Sparc has received multiple customers enquiries about this coatings segment over the past 6 - 12 months and our knowledge of graphene enhanced protective coatings has provided a seamless platform for product development. Public launch of the SparcES™ product range follows a significant body of internal testing and the recent commencement of two customer led product development programs. We are very excited for Sparc to participate in a strongly growing US\$1.65bn coatings segment which is highly complementary to our work in protective coatings."

ESD and conductive coatings are mission critical coatings designed to mitigate the build-up of static electricity on flooring and other surfaces in order to protect electronic equipment and flammable substances.

- ESD Coatings: Controls electrical charge build-up and gently dissipates static electricity.
- Conductive Coating: Provides a highly conductive path to earth for rapid discharge in high-risk environments.

The ability to use graphene as a conductive additive is well known, however graphite and carbon black are typically used to impart conductivity within current commercial ESD and conductive coating products. Sparc's work with highly conductive grades of graphene within epoxy formulations indicates that there are both commercial and technical benefits to using graphene as a replacement additive. These benefits are primarily driven by the significantly lower dosage rates of graphene required to deliver the target conductivity levels for antistatic applications. Sparc is extremely well placed to offer conductive graphene additives to the ESD coatings market given its existing relationships and commercial success within protective coatings through its flagship ecosparc® product.

Independent market analysis by Orr & Boss estimates the global ESD and conductive coatings market at US\$1.2 billion in 2026, with data centres and semiconductor manufacturing facilities representing 75% of total demand. The market for data centres and semiconductor manufacturing facilities is estimated to grow at a 10% CAGR through 2030, driven by accelerating investment in digital infrastructure as well as substantial investments in chip manufacturing capacity worldwide. Industry trends indicate a growing shift away from traditional ESD floor tiles towards conductive concrete coating systems, particularly in data centres and advanced semiconductor fabrication facilities, creating a significant growth opportunity for high-performance ESD and conductive floor coating technologies. Additional demand is generated from EV battery manufacturing, pharmaceutical, chemical, aerospace, healthcare and laboratory facilities and applications, with steady long-term growth expected across these sectors. As at 2030, Orr & Boss estimates the global ESD and conductive coatings market to be valued at ~US\$1.65 billion with ~80% of demand coming from data centres and semiconductor manufacturing facilities. As with any target addressable market, there are barriers to accessing a target addressable market¹.

US\$m	2026	2030	CAGR
Data centres & Semiconductor manufacturing	900	1,318	10.0%
Other markets ²	300	335	2.8%
ESD & Conductive Coatings Market	1,200	1,654	8.4%

Table 1: Global market size estimates for ESD and conductive coatings (Orr & Boss, June 2026)

-ENDS-

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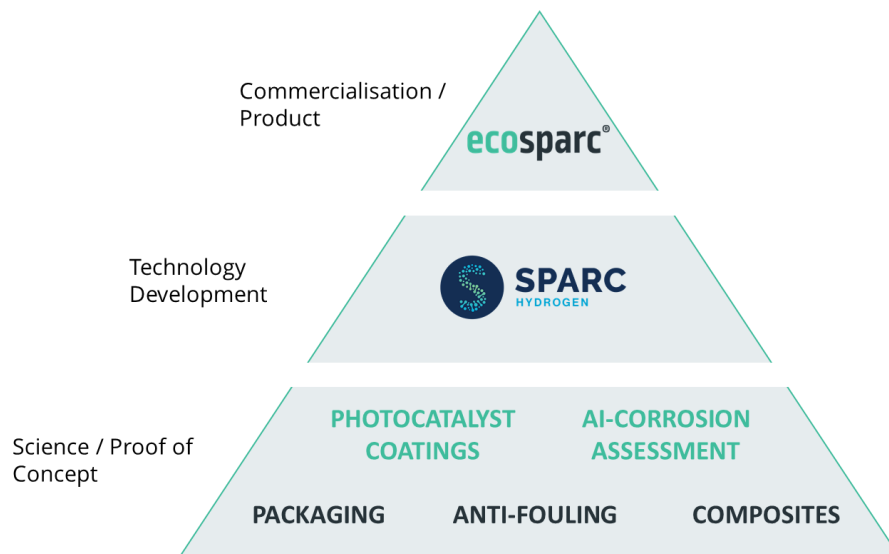
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¹ Including manufacturing capacity, regulatory requirements, distribution and logistical hurdles, intellectual property protections and barriers to competition. Investors are cautioned that there are no guarantees that a target addressable market can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

² Other markets include EV battery manufacturing, pharmaceutical, chemical, aerospace, healthcare and laboratory facilities and applications.



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 has 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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