

## **SPARC TECHNOLOGIES GRANTED PATENT FOR GRAPHENE BASED REMEDIATION TECHNOLOGY**

### **HIGHLIGHTS**

- ▶ **Patent application granted in the United States for the use of graphene in the remediation of environmental contaminants such as mercury and arsenic**
- ▶ **Patent strengthens Sparc's position in its environment and sustainability portfolio**

Sparc Technologies Limited (**ASX: SPN**) (**Sparc** or the **Company**) is pleased to announce it has received confirmation that the United States (**USA**) patent application number 15/578149 has now been issued as a patent.

Pollution of water and air by certain ionic contaminants, including heavy metals, has long been and continues to be a serious environmental concern for modern day society. This new granted patent now grants Sparc exclusive access to graphene's unique ability to act in a porous matrix to remove heavy metal ions from liquid or gas, which has demonstrated high performance and efficiency for such use.

The Company is now also exploring ways in which this technology can be tailored to facilitate removal of additional organic species from liquids or gas to further strengthen its ability to have a substantial impact on the many environmental challenges that exist today and complements the significant work the Company has already undertaken in respect of PFAS remediation.

As an additional technology, pursuant to Sparc's Sustainability & Remediation - Extraction core division, Sparc is delighted that the Company's new patent has been granted in the USA, which will allow the Company to move more rapidly into commercial deployments.

### **Sparc Managing CEO, Mike Bartels, commented:**

*"The granting of this patent further enhances Sparc's technology portfolio in the area of sustainability and waste remediation whilst complimenting the work being undertaken with PFAS. The versatile class of graphene-based materials covered under this patent presents an opportunity to develop solutions for a wide range of high-impact environmental contaminants, such as mercury and arsenic. Intellectual property (IP) goes to the heart of Sparc's value creation and Sparc is currently in discussions with commercial partners to further develop the technology under this patent."*

The official patent number is 10864498. The patent is licenced from the University of Adelaide (**UoA**) and will not incur licensing fees nor a royalty due to UoA being a substantial shareholder in Sparc Technologies.

**-ENDS-**

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

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## About Sparc Technologies

Sparc Technologies Limited (ASX: SPN) is a South Australian based company that is focusing on the development of innovative technology solutions using the unique properties of graphene. Graphene, which can be extracted from graphite, is a 2-dimensional nano material made of carbon atoms arranged in a hexagonal pattern, giving it unique and powerful properties that, with the right technology, can be imparted on products to improve performance. Sparc Technologies has licenced graphene-based technologies from the University of Adelaide, a leading institution in the field of graphene research, and will focus on commercialising graphene-based technologies for large industrial markets for marine and protective coatings, environmental remediation and bio-medical applications.

