
Sparc Wins Graphene Patent to Make Heavy Metal Acceptable for Modern Society

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Sparc has secured a key graphene patent in the United States that strengthens its environment and sustainability portfolio.

The patent grants the company exclusive access to graphene's unique ability to act in a high performance and efficient porous matrix to remove heavy metal ions from liquid or gas.

Heavy metal pollution is an ongoing environmental concern for modern society and being able to address it will allow the company to tap into a significant market.

[Sparc Technologies](#) is also exploring ways to tailor the technology 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.

"The granting of this patent further enhances Sparc's technology portfolio in the area of sustainability and waste remediation whilst complementing the work being undertaken with PFAS," chief executive officer Mike Bartels noted.

"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 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."

PFAS covers a group of chemical compounds used in products to resist heat, oil, stains and water. The patent is licensed from the University of Adelaide, a substantial shareholder of the company.

Other uses

Sparc's graphene technology can also be used to extract precious materials from tailings. This is focused on research that shows graphene can be used to improve accepted industry extraction yields of precious and base metals.

Read the [original article](#) on Stockhead.