

What makes sicona a good battery material?

Our innovative battery materials technology delivers an +20% increase in energy density and an +40% increase in the charge rate over conventional graphite-only Lithium-ion battery cells. By leveraging silicon metal, Sicona delivers high performance battery materials at mass market scale, without costing the earth.

What is sicona battery technology?

Australian battery material start-up Sicona Battery Technologies will accelerate commercial development plans both here and in the United States after securing financial support from a group of international investing heavyweights for its silicon-composite anode technology designed to improve the performance of lithium-ion batteries.

What makes sicona a good battery anode?

By leveraging silicon metal, Sicona delivers high performance battery materials at mass market scale, without costing the earth. Sicona's SiC_x(TM) battery anode materials enable improved performance of today's Lithium-ion batteries at unmatched price and scale.

Who tipped \$22 million into sicona battery technologies?

Investors led by Indian chemical conglomerate Himadri Speciality Chemical and Australian venture capital firm Artesian have tipped \$22 million (USD 14.9 million) into Wollongong-based Sicona Battery Technologies in support of its work with battery density-boosting technology developed at the University of Wollongong.

Why is sicona a sustainable battery?

Responsible Consumption and Production of renewable energy is enabled and accelerated by our sustainable battery technology. Sicona's SiC product will reduce irresponsible reliance, production and consumption of fossil fuels in the transport industry, and accelerate the transition to global electrification and a sustainable energy future.

Could sicona be a game-changer for lithium-ion batteries?

Sicona is working to commercialise its high-capacity silicon anode technology which has been flagged as a possible game-changer for lithium-ion (Li-ion) batteries that dominate the electric vehicle (EV) and renewable energy storage market.

By increasing access to high performance, cost-effective battery materials, we're helping the world transition to a sustainable energy future. Open & transparent (No BS) Transparency is a cornerstone of our values.

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SYDNEY, April 23, 2024 /PRNewswire/ -- Sicona Battery Technologies, an Australian battery materials innovator, today announced its expansion into the fast-growing United States battery component ...

Sicona's high energy density and unmatched low-cost battery anode technology enables Electric Vehicles to be more energy efficient and affordable with: Up to 50% increase in battery energy density; and; Up to a 30% reduction in the ...

SICONA MISSION. The Sicona mission is to: Help overcome Electric Vehicle (EV) range anxiety! Reduce costs of EVs and renewable energy storage . Play a part in the reduction of carbon emissions . We can achieve this mission through: Our anode technology which can extend EV range by 50-75%; or . Which can reduce the cost of a

Wollongong-based Sicona Battery Technologies, which is developing a silicon composite material that improves the performance of batteries used for electric vehicles (EVs) and energy grids, announced it is ...

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New funds to be used to accelerate commercial development plans in the US . SYDNEY, June 15, 2023 /PRNewswire/ -- Sicona Battery Technologies ("Sicona") today announced it has raised AU\$22 million ...

SYDNEY, Aug. 12, 2021 /PRNewswire/ -- Sicona Battery Technologies Pty Ltd ("Sicona"), a groundbreaking battery materials technology company, has successfully raised AU\$3.7 million in a pre-Series ...

Sicona's high energy density and unmatched low-cost battery anode technology enables Electric Vehicles to be more energy efficient and affordable with: Up to 50% increase in battery energy density; and; Up to a 30% reduction in the cost/kwh of energy storage compared to traditional Li-ion batteries with pure graphite anodes.

News from sicona battery technologies A wide array of domestic and global news stories; news topics include politics/government, business, technology, religion, sports/entertainment, science ...

Wollongong-based Sicona Battery Technologies, which is developing a silicon composite material that improves the performance of batteries used for electric vehicles (EVs) and energy grids, announced it is

moving forward with the development of a production plant in the southeast of the United States to take advantage of the booming battery and ...

Sicona develops next generation battery technology used in the anodes (negative electrodes) of lithium-ion ("Li-ion") batteries that enable electric-mobility and storage of renewable energy. Sicona is commercialising an innovative silicon-composite battery anode technology, developed and perfected over the last ten years at the Australian ...

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Himadri, a Kolkata-based specialty chemical conglomerate, has announced its investment of AU\$ 10.32 million (US\$6.7 million) in Australian startup Sicona Battery Technologies. With this Series A investment, it has raised a 12.79% stake in Sicona. Sicona, based in Sydney, specializes in high-capacity silicon anode technology for lithium-ion ...

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