

What is sicona battery technology?

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 Institute

What makes sicona a good battery?

Sicona's silicon-composite anode technology delivers up to 233% higher capacity than conventional graphite anodes and its anode materials can deliver 50% to 75% higher cell energy density than current Li-ion batteries.

What is a sicona battery anode?

Sicona is commercialising an innovative silicon-composite battery anode technology, developed and perfected over the last ten years at the Australian Institute for Innovative Materials (AIIM).

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.

What is sicona's silicon-composite anode technology?

Sicona Chief Executive Officer and co-founder Christiaan Jordaan said the company's silicon-composite anode technology delivers 50-100% higher capacity than conventional graphite anodes and its anode materials can deliver significantly higher cell energy density than current Li-ion batteries.

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.

Sicona Battery Technologies, an Australian battery materials innovator, today announced its expansion into the fast-growing United States battery component market with the development of its first commercial production facilities in the south-eastern United States near the geographic heart of the growing U.S. battery and electric vehicle ...

Sicona Battery Technologies | 4,480 followers on LinkedIn. Sicona leverages low cost and abundant silicon metal to develop next-gen battery materials in this generation. | Sicona produces Silicon-Carbon (SiC) anode materials that supercharge next-gen Lithium-ion batteries. Our innovative battery materials technology

delivers an +20% increase in energy density and an ...

We believe in making an electrified future accessible to all. By increasing access to high performance, cost-effective battery materials, we're helping the world transition to a sustainable energy future.

New funds to be used to accelerate commercial development plans in the US . SYDNEY, June 14, 2023 /PRNewswire/ -- Sicona Battery Technologies (&quot;Sicona&quot;) today announced it has raised AU\$22 million ...

This latest capital injection follows the company's \$1m seed round in July 2020, the award of a \$704k "Accelerating Commercialisation" Grant by the Australian Federal Government in November 2020, and Sicona's ...

Australia-based Sicona Battery Technologies will build its first silicon-carbon anode materials production plant in the Southeastern U.S., the company announced on Monday. The plant will produce 6,700 tons of silicon-carbon per year, making it the largest producer thus far in the U.S., according to the company.

Sicona leverages low cost and abundant silicon metal to develop next-gen battery materials in this generation. Because today is just in time. ... Sicona Technologies Inc. (US Subsidiary) Postal Address 5865 Ridgeway, Center Parkway, Suite ...

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

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

&#183; Experience: Sicona Battery Technologies &#183; Location: Wollongong &#183; 489 connections on LinkedIn. View Thomas Rowe's profile on LinkedIn, a professional community of 1 billion members. I am a product-driven, passionate, and thoughtful scientist working on clean energy industrial research.& lt;br& gt;& lt;br& gt;I have been conducting research ...

Sicona Battery Technologies | ????? 4,584 ?????Sicona leverages low cost and abundant silicon metal to develop next-gen battery materials in this generation. | Sicona produces Silicon-Carbon (SiC) anode materials that supercharge next-gen Lithium-ion batteries. Our innovative battery materials technology delivers an +20% increase in energy density and an ...

A materials scientist and device engineer with 20 years experience since graduating with... &#183; Experience: Sicona Battery Technologies &#183; Location: Sydney &#183; 500+ connections on LinkedIn.

View Andrew Minett's profile on LinkedIn, a professional community of 1 billion members.

SYDNEY, Oct. 10, 2021 /PRNewswire/ -- Sicona Battery Technologies Pty Ltd ("Sicona"), a groundbreaking battery materials technology company, has executed a non-binding heads of agreement (the "HoA ...

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 EV market.

Sicona Battery Technologies (Sicona) is a Sydney based battery technology company. 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's core business is the commercialisation of an

From a manufacturing plant 85km south of Sydney, a local startup is producing materials for the likes of Tesla, Panasonic and Samsung. Sicona Battery Technologies is commercialising a next-generation silicon anode to improve the energy density of the current lithium-ion rechargeable batteries, which are used for electric vehicles and renewable energy ...

Web: <https://www.gennergyps.co.za>