

European Solar and Energy Storage Solutions

Sicona battery technologies North Macedonia



Overview

What is a sicona battery?

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.

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 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 SiCx™ battery anode materials enable improved performance of today's Lithium-ion batteries at unmatched price and scale.

Why should you choose sicona for your next-gen battery?

Accelerating the world towards an electrified future. Sicona leverages low cost and abundant silicon metal to develop next-gen battery materials in this generation. Because today is just in time. Supercharging next-gen Lithium-ion batteries. Compared to conventional graphite-only Lithium-ion battery cells.

Will sicona 'supercharge' lithium-ion batteries?

Sicona, which has its headquarters and a pilot plant in Wollongong on the New South Wales coast, said that its silicon-graphite composite anode materials 'supercharge' lithium-ion batteries, delivering a 20%-plus increase in energy density over conventional graphite-only battery cells and reducing charge times by more than 40%.

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.

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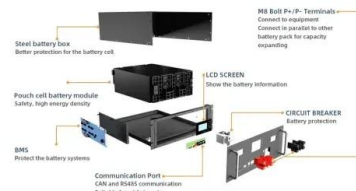


Australian battery tech start-up targets U.S. market after \$22 ...

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.

Sicona , Pioneering Battery Materials for the future

Sicona's unique patented SiC battery anode innovation empowers next-gen high performance Li-ion batteries. Cost efficient and highly scalable, our technology breakthrough will supercharge the Electric Vehicle and Energy Storage battery industry.



Silicon Anode Battery Technologies and Markets 2025-2035: ...

Battery technology start-ups - regional activity: 1.22. Advanced Li-ion developers: 1.23. Commercial silicon anode market: 1.24. Regional efforts in silicon anode development: 1.25. Regional production outlook: 1.26. Risks and challenges in new battery technology commercialisation: 1.27. Risks and challenges in new battery technology

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Sicona Raises \$3,7m to Scale Battery Materials Technology

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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 participation in the prestigious Startmate accelerator in its Summer 2021 climate technology cohort.

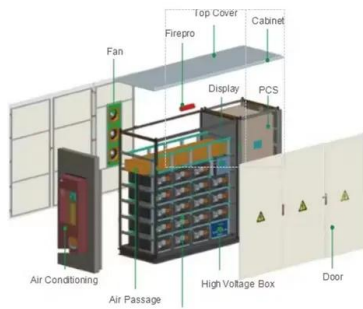
Sicona Battery Technologies

Sicona Battery Technologies - Australian Battery Materials Innovator Announces US Expansion. States surpassing the approximately 5,800 tpa total silicon-carbon plants under construction and development in the north-western United States. By the early 2030s, Sicona plans to ultimately expand its US production to a total output of 26,500



A Paradigm Shift in Battery Technology

Sicona is commercialising innovative silicon-composite anode technology that . delivers up to 233% higher specific capacity than graphite only



anodes . Sicona will licence or produce & sell high performance active anode materials into the . \$125bn Li-ion battery market. Traction and clear development path with ~50,000tpa of joint development

Sicona to build first US battery anode plant in Southeast

Dive Brief: 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 Battery Technologies

Sicona Battery Technologies is a pioneering Australian company specializing in Silicon-Carbon (SiCx(TM)) anode materials for lithium-ion batteries. Their advanced technology delivers a 20% increase in energy density compared to traditional graphite anodes, resulting in lighter, more compact, and cost-effective batteries.

NSW battery materials company plans U.S. manufacturing plant

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



Australian Battery Materials Innovator Announces US Expansion

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 States surpassing the approximately 5,800 tpa total silicon-carbon plants under construction and development in the north-western

Sicona Battery Technologies

Sicona Battery Technologies , 4,791 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 ...



Sicona Battery Technologies

The company's battery materials technology delivers an increase in energy density and reduces the cost of energy storage compared to



conventional graphite-only Lithium-ion battery cells by leveraging silicon metal, it provides these benefits to all-electric vehicles, enabling users to unlock faster battery charging rates.

Sicona Company Profile

Sicona Battery Technologies is now a charter member of the Battery Advocacy for Technology Transformation Coalition (BATT Coalition) Sep 4, 2024. Sicona Battery Technologies Raises \$3.7M in Pre-Series A Funding. Aug 12, 2021. Report incorrect company information. Footer menu. Contact us; Facebook; Twitter;



Sicona , Pioneering Battery Materials for the future

Our innovative SiCx® battery materials technology delivers +20% increase in energy density 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.

Sicona, the Aussie battery innovator charging ahead

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 storage. The company was founded by entrepreneur

Christiaan Jordaan and materials scientist
Andrew Minett in 2019 after



Sicona Battery Technologies

Sicona Battery Technologies specializes in the development of battery materials for the energy sector. Use the CB Insights Platform to explore Sicona Battery Technologies's full profile. It aims to deliver battery materials at market scale. The company was founded in 2019 and is based in North Wollongong, Australia. Headquarters Location



Sicona , Pioneering Battery Materials for the future

Our innovative SiCx® battery materials technology delivers +20% increase in energy density over conventional graphite-only Lithium-ion battery cells. By leveraging silicon metal Sicona delivers high performance battery materials at ...



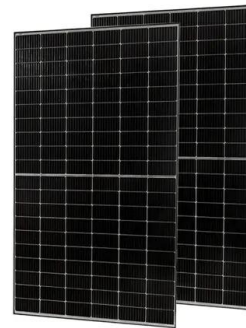
Thomas Rowe

· Experience: Sicona Battery Technologies · Location: Wollongong · 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. & It;br& gt;& It;br& gt;I have been conducting research



Sicona raises \$3.7m to scale battery materials technology globally

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 raises \$3.7m to scale battery materials ...

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Sicona Battery Technologies

Sicona's core product is an innovative SiCx R battery materials technology which delivers +20% increase in energy density over conventional graphite-only Lithium-ion battery cells and a +40% faster charge. By leveraging silicon metal Sicona delivers high-performance battery materials at mass market scale, without costing the earth.



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