

Antora's thermal energy storage soaks up excess solar and wind electricity and uses it to heat blocks of carbon so they glow like inside a toaster. Antora Energy Press Mentions. Stay in the know about the latest ...

An important concern with regard to such a system, however, is safety. "Certainly when storing this much energy in such a small space (our energy density is significantly higher than lithium-ion batteries), there are always inherent risks and testing those is a major focus for us" Dustin Nizamian, lead R& D infrastructure engineer at Antora, wrote me in an email (Jan ...

Antora Energy, based in Sunnyvale, California, will use its award of \$14.5 million to scale production of its thermal battery technology, "which turns low-cost renewable energy into reliable, on ...

When the Antora team surveyed potential methods for storing clean energy, they homed in on thermal storage as an overlooked area with great potential. And if you're using heat for energy storage, you may as well go big. Previously commercialized molten salt technology typically tops out below 600 degrees Celsius. Instead of reflecting ...

Antora Energy. The company was founded in 2017 for renewable energy and semiconductor manufacturing. It is headquartered in Sunnyvale, California. ... We are India's leading B2B media house, reporting full-time on solar energy, wind, battery storage, solar inverters, and electric vehicle (EV) charging. Our dedicated news portal, monthly ...

ARPA-E awardee Antora Energy recently raised \$50 million in a financing round for their solid-state thermal battery. Breakthrough Energy Ventures and Lowercarbon Capital led this financing round, offering further support for Antora's mission store thermal energy in inexpensive carbon blocks and offer an efficient, cost-effective grid storage solution. ARPA-E ...

Antora's thermal battery stores energy as heat in blocks of solid carbon--one of the most trusted industrial materials on earth--to power global industry. Explore. Proven. Trusted material with centuries of industrial use in high-temperature environments ... MULTI-DAY THERMAL STORAGE The carbon blocks store energy at temperatures up to ...

US thermal batteries company Antora Energy has completed a USD 150 million (EUR 138m) Series B funding round led by Decarbonization Partners, a joint venture between US investment giant BlackRock (NYSE:BLK) and Singapore's sovereign wealth fund Temasek. ... Latest in Energy storage. Energiekontor teams up with Olmatic on energy storage in ...

Contents1 Snapshot2 Early Life and Education3 Career4 Sustainability Highlights and Focus Snapshot

Andrew Ponec is a pioneering entrepreneur in renewable energy, dedicated to decarbonizing industrial sectors through innovative energy storage solutions. As co-founder and CEO of Antora Energy, he leads efforts to provide zero-carbon industrial heat and ...

2022?2??Antora Energy(??Antora??)Rondo Energy(??Rondo??)????????????????????????????????????????????????????????????Breakthrough Energy Ventures(??BEV?)?????????A????????????????????? ...

Multi-day storage delivers always-on heat and power for industrial operations where downtime is not an option. Simple Solid carbon--one of the safest, most stable materials on earth--unlocks simple, high-performance energy storage without compromise. ... ©2024 Antora Energy ...

In this episode, Antora Energy CEO Andrew Ponec talks up his company's game-changing approach to thermal energy storage. (PDF transcript) ... And this is a really important point about temperatures for thermal energy storage that often gets missed when you have a process that needs to have heat input to it at a certain temperature. Like, let ...

Andrew Ponec is the co-founder and CEO of Antora Energy, a startup developing thermal energy storage that turns solar and wind into zero-carbon industrial heat and power. Antora Energy is backed by leading investors including Lowercarbon Capital and Breakthrough Energy Ventures. Mr. Ponec previously founded a solar energy company called Dragonfly Systems.

Antora Energy, an American cleantech company founded in 2017, develops a low-cost thermal storage solution for grid-scale energy storage of renewable resources based on an inexpensive thermal storage medium and a high ...

The sum raised across 64 corporate funding deals in total represented a 117% increase from the equivalent period of 2023 when US\$7.1 billion was recorded from 59 deals.. It is short of the US\$15.8 billion raised in H1 2022, although at the time it was noted by Mercom that the US\$10.7 billion IPO by LG Energy Solution "distorted" year-on-year comparisons.

Antora's three co-founders came together as Activate Fellows. Today, they are among the country's top energy storage innovators. Images of solar farms and massive turbines evoke hope for the clean energy transition, but they obscure the real work involved in capturing, storing, and using that energy to power the industries most reliant on fossil fuels today.

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