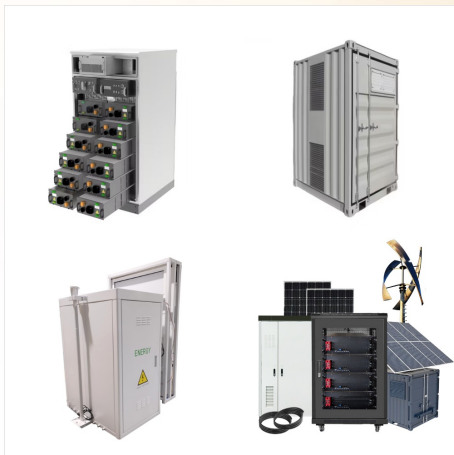




Ponec holds a carbon block like what's used in Antora's thermal battery. Julian Quinones/CNN The box that contains the super-heated carbon blocks, which Ponec said were hotter than the melting



Bill Gates-backed startup Antora Energy is preparing to roll out a containerized, modular heat battery, designed to store renewable energy at the lowest possible cost ??? then release it



Antora Energy has 19 investors. Grok Ventures invested in Antora Energy's Series B funding round. See Antora Energy funding rounds, investors, investments, exits and more. Evaluate their financials based on Antora Energy's post-money valuation and revenue.



Antora's thermal batteries seek to address high-heat intensive industries like steel and cement production. The company's thermal battery absorbs solar and wind power during hours of peak production when these electricity sources are the least expensive.



Today Antora Energy, a California-based thermal-battery startup, unveiled its plan to build its first large-scale manufacturing facility in San Jose. The announcement is a big step forward for thermal batteries (also known as heat batteries), an industry seeking to become a major player in the energy storage sector.



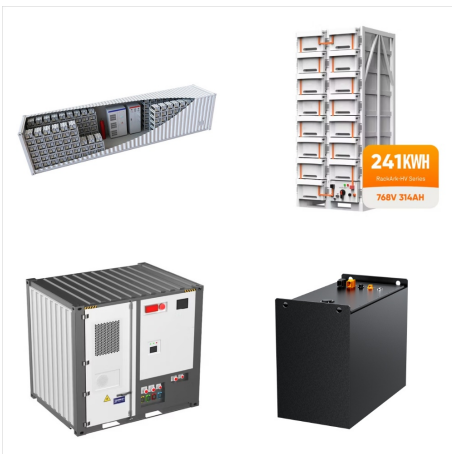
Antora has developed the world's first thermal battery capable of delivering zero-emissions heat and power. In demonstrating a modular, factory-assembled, commercial-scale thermal battery ???



Antora Energy have found a solution with their innovative thermal battery technology, which harnesses surplus solar and wind power to elevate carbon blocks to scorching, radiant temperatures. This technology can swiftly deliver electricity or process heat of up to an astounding 2000° C whenever required.



Additionally, Antora's thermal battery can output electricity at breakthrough efficiencies using Antora's thermophotovoltaic (TPV) technology, which converts the stored heat directly into electricity without the drawbacks of a conventional heat engine.



Assignee: Antora Energy, Inc. Inventors: Andrew Joseph Ponec, Justin Briggs, David Bierman, Sam Kortz Actuated heat engines can be utilized to discharge the solid-state thermal battery, converting the heat stored in the thermal storage medium into electricity. The heat engines are actuated in a manner that reduces thermal gradients in the



An Antora thermal battery leaving the factory
Manufacturing at Scale From the very beginning, we've designed our American-made thermal batteries for rapid production and scale. We turned on our first thermal battery deployment in 2023, and now we're on the path to manufacturing thousands. Our landmark gigafactory in San Jose, California is



Rondo's thermal battery at an ethanol plant in California urtesy of Rondo Energy. Antora is already planning to produce batteries domestically, recently launching its new manufacturing facility in San Jose, California. The company has raised \$80 million to date, and operates a pilot plant in Fresno, California.



The current valuation of Antora Energy is 00000.
What is Antora Energy's current revenue? The current revenue for Antora Energy is 000000. How much funding has Antora Energy raised over time?



Antora Energy is building a low-cost thermal battery for grid-scale energy storage to meet the growing need for long-duration storage created by the global transition to renewables. Most chemical battery technologies, such as lithium-ion, can only store enough energy for a few hours of power. Antora's technology, however, can discharge for days.



Antora's thermal battery manufacturing facilities and demonstration unit are located in sun-soaked California, where renewables make up close to a third of all electricity. But Antora's team says its technology holds promise in other regions as increasingly large renewable projects connect to grids across the globe.



Factory Marks Significant Milestone for Large-Scale Industrial Decarbonization and Domestic Manufacturing . Sunnyvale, CA ??? Antora Energy, a leader in zero-carbon heat and power for the industrial sector, has announced its first large-scale thermal battery manufacturing facility. Located in San Jose, California, the 50,000-square-foot manufacturing facility will be ???



As the need to cool down our overheating planet becomes more pressing, companies are finding new ways to help. One company, backed by Bill Gates' Breakthrough Energy, is doing its part to help cool the planet by getting carbon blocks really, really hot, Bloomberg reported. Antora Energy, a thermal battery startup, has launched its first ???



Antora's thermal battery can store 15 megawatt hours in the footprint of a shipping container???that's 5 times more than a Lithium-ion battery. Antora's thermal batteries take excess solar and wind energy not needed for the grid, and use it to heat blocks of carbon until they're glowing hot ??? think of the glow from your toaster when



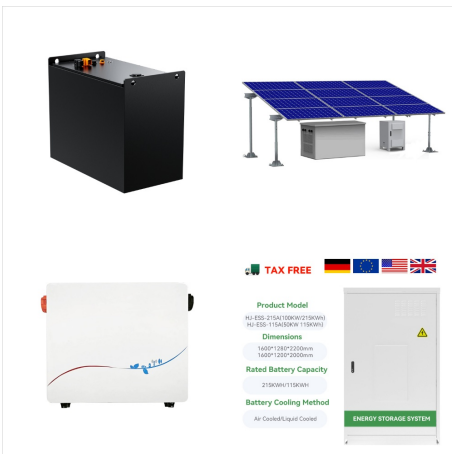
A thermal battery unit. Image: Antora Energy . US\$150 million has been raised in a Series B by Antora Energy, a US-based startup with a novel "thermal battery" technology claimed to be suitable for decarbonising industrial processes.



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-efficiency thermophotovoltaic energy conversion.



Typical lithium-ion batteries store electricity as chemical energy. In contrast, Bloomberg explained, Antora's thermal battery system stores energy as electrically generated heat inside carbon



justin@antora.energy Solid State Thermal Battery
Antora Energy The Antora Energy team will develop a thermal energy storage system that contains thermal energy in inexpensive carbon blocks. To charge the battery, power from the grid will heat the blocks to temperatures exceeding 2000 °C. To discharge, the hot blocks are exposed to