

Rondo energy bricks





Overview

How does Rondo heat bricks?

Rondo offers an alternative approach: stacks of bricks, heated by electricity generated from the wind and sun. Inside Rondo's heat batteries, cheap renewable electricity heats iron wires similar to those in a toaster oven, which warms hundreds of tons of bricks to temperatures of up to 1,500 °C.

How efficient is Rondo's 'brick toaster' heat storage system?

Rondo's "brick toaster" heat storage system is 98% efficient, and stores cheap renewable energy for industrial use at 20% the cost of an electrochemical battery. Read more via [New Atlas here](#). [Conner Gordon Previous](#) [Previous Product launch: the Rondo Heat Battery \(RHB\)](#), providing the world's lowest-cost, zero-carbon industrial heat [Next Next](#).

How does Rondo energy work?

Rondo Energy heats bricks with clean energy to over 1,000 degrees Celsius. That heat can then be used in factories that make products like cement, food, and plastic.

What is a rondo heat battery?

Zero-Carbon Industrial Heat: The Rondo Heat Battery provides low-cost, zero-emission heat for global industry.

Can Rondo energy decarbonize our economy?

"Rondo Energy's technology fills in one of the biggest missing pieces to decarbonize our economy: renewable industrial heat." From calcining to cogeneration, from food processing to fuel production, Rondo's Heat Battery is compatible with 90 percent of industrial processes and power needs.

Who backed Rondo energy?



Rondo Energy is backed by Bill Gates-founded Breakthrough Energy Ventures and utility-backed Energy Impact Partners. About Rondo Energy: Rondo Energy, the leading provider of zero-carbon industrial heat, makes industrial decarbonization possible — and profitable — today.



Rondo energy bricks



Products

From calcining to cogeneration, from food processing to fuel production, Rondo's Heat Battery delivers energy in the form needed for more than 90 percent of industrial process and power needs. Our modular units are designed to serve the unique capacity and temperature requirements of each facility, and the output is configurable to customers' specifications.

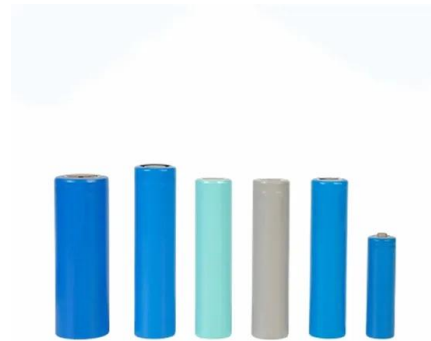


Product launch: the Rondo Heat Battery (RHB), providing the ...

The Rondo Heat Battery (RHB) captures intermittent electricity, stores the energy from that electricity as high-temperature heat in brick

2024 Climate Tech Companies to Watch: Rondo Energy and its hot bricks

Rondo Energy is supplying cheap, zero-emissions heat to factories to replace fossil-fuel-powered boilers, furnaces, and kilns. Its approach of using bricks and iron wire to provide a steady supply



The Future of Energy: Can Buildings Become Reservoirs of ...

California-based Rondo Energy has developed a heat battery made of bricks. The self-contained units consist of a stack of bricks with electrical heating elements. The bricks store energy by converting renewable electricity into thermal energy, which can in turn be used for providing optimal heat for



materials, and delivers the stored ...



The Coolest Thing in Climate Tech Just Got More Buyers -- Rondo Energy

Heatmap Rondo Energy is taking its hot rock batteries on the road. Rondo Energy, a Silicon Valley startup building "heat batteries" to replace fossil fuels in heavy industries, announced three new customers on Wednesday. In just a few months' time, the company has gone from serving a single indus

Next Wave of Renewable Energy Storage Featuring Hot Sand and Bricks

Rondo Energy and Polar Night Energy have emerged as pioneers in the field of energy storage, each taking a unique approach to harnessing excess renewable energy. Rondo Energy has introduced a groundbreaking Heat Battery system, which utilizes electric heating elements to convert electricity into high-temperature heat stored within thousands of tons of ...



Rondo Energy Closes \$22M in Series A Funding to Tackle ...

OAKLAND, Calif. - February 8, 2022 - Rondo Energy, the company unlocking profitable industrial decarbonization, today announced that it has closed a \$22 million Series A funding round led by two of the world's leading investment firms in deep decarbonization and electrification:



Breakthrough Energy Ventures and Energy Impact Partners.



How thermal batteries are heating up energy storage -- Rondo Energy

We need heat to make everything from steel bars to ketchup packets. Today, a whopping 20% of global energy demand goes to producing heat used in industry, and most of that heat is generated by burning fossil fuels. In an effort to clean up industry, a growing number of companies are working to s



Rondo Energy: Using Bricks to Decarbonize Industrial Processes

When heated up, Rondo's bricks can store more energy than a Tesla Model X. Credit: Rondo Energy Heavy industry is known to be one of the hardest sectors of the economy to decarbonize. Production of materials like steel and cement requires a lot of continuous heat and cannot be met by the variability of renewable power, which is playing an increasingly larger role ...

Heat storage systems can cut CO2 emissions by 15% in 15 ...

Rondo Energy has claimed that its brick-toasting heat storage device, is so cheap and efficient that it makes decarbonization a complete no-brainer across the industrial sector. They must be doing



Rondo Energy Announces World's Highest Temperature Thermal Energy

The Rondo Heat Battery captures intermittent renewable electricity, stores it at very high temperatures in brick materials, and delivers continuous industrial heat on demand. Calgren Renewable Fuels produces the world's lowest CI ethanol, biodiesel, and renewable natural gas at their Pixley facility.

OEM service

Hot Colors:



Color can be customized
more questions just do not hesitate to contact us

LOGO Position: (Screen printing)



Fighting Climate Change With Hot Bricks, Factory by ...

The key to decarbonizing heavy industry, John O'Donnell says, could be hot bricks. His startup, Rondo Energy, makes a "heat battery" that converts renewable electricity into the high



2024 Climate Tech Companies to Watch: Rondo Energy and its ...

Rondo offers an alternative approach: stacks of bricks, heated by electricity generated from the wind and sun. Inside Rondo's heat batteries, cheap renewable electricity ...





"Brick toaster" aims to cut global CO2 output by 15% in 15 years

Rondo Energy says its brick-toasting heat storage device is so cheap and efficient that it makes decarbonization an instant no-brainer across a huge range of industries. Bill Gates agrees.



Fighting Climate Change With Hot Bricks, Factory by ...

The key to decarbonizing heavy industry, John O'Donnell says, could be hot bricks. His startup, Rondo Energy, makes a "heat battery" that converts renewable electricity into the high

Rondo startup uses super hot bricks to decarbonize industrial ...

Rondo Energy heats bricks with clean energy to over 1,000 degrees Celsius. That heat can then be used in factories that make products like cement, food, and plastic.



"Brick toaster" aims to cut global CO2 output by 15% in 15 years

Industrial heat consumes a huge proportion of global energy. Rondo Energy says its brick-toasting heat storage device is so cheap and efficient that it makes ...



Another Kind of Battery Is Charging Up -- Rondo Energy

Oakland-based Rondo Energy, which stores heat in bricks at temperatures it says can be high enough for steelmaking, just raised \$60 million. Rondo and its partner, Siam Cement Group, are expanding a factory in Thailand to make more of its batteries, which are in use at a biofuels plant in California



Rondo's brick battery factory set to become the ...

Siam Cement Group (SCG) and Rondo Energy's brick energy battery storage factory is ready to expand to a capacity of 90GWh per year, which the partners claim will be larger than any current battery manufacturing facility ...

[MCJ Startup Series: Rondo Energy -- MCJ](#)

The Rondo heat battery, in simplest terms, takes electricity and turns it into heat via an electric heating element, like those found in a toaster, and then circulates that heat across a condensed package of bricks that can currently achieve heat of up to 1500



2024 Climate Tech Companies to Watch: Rondo Energy and its hot bricks

Electrified Future: Rondo Turns Renewable Electricity Into Industrial Heat Next Firebrick thermal storage for industry could receive \$75 million in federal funds



Thermal storage firm Rondo Energy raises US\$60 million

Rondo's technology uses a refractory brick to hold heat energy. Image: Rondo Energy. Thermal energy storage company Rondo Energy has completed a US\$60 million fundraising round from investors including Rio Tinto, Microsoft, Aramco and ...

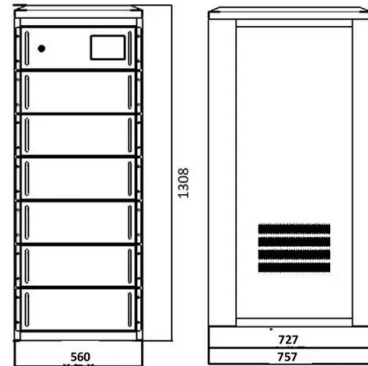


[Rondo--Decarbonizing Industry Brick by Brick](#)

Rondo Heat Battery converts electricity to high-temperature heat, which it stores in brick material and discharges as steam. Rondo allows its customers to use intermittent wind and solar--now the cheapest sources of energy in the world--to supply 24/7 zero

"Brick toaster" aims to cut global CO2 output by 15% in

Rondo's "brick toaster" heat storage system is 98% efficient, and stores cheap renewable energy for industrial use at 20% the cost of an electrochemical battery. Product ...



Rondo Energy announces EUR75M project funding with Breakthrough Energy

Three Rondo Heat Battery installations will decarbonize food, clean fuel, and chemical production across Europe LONDON, June 26, 2024 /PRNewswire/ -- Today at the Breakthrough Energy Summit, Rondo



[Introducing Rondo's New CEO! -- Rondo Energy](#)

By John O'Donnell This is a great day. I have a great piece of news to share with you. Eric Trusiewicz has stepped up to lead Rondo Energy as CEO and I am stepping into the role of Chief Innovation Officer at Rondo. This is a moment we've been working towards for years.& nbsp; Eric has been a



Fighting Climate Change With Hot Bricks, Factory by Factory

Rondo Energy uses electricity, bricks to make industrial heat. The 'Heat Battery' is now cutting emissions at ethanol plant in California. Read more here via Bloomberg. Conner Gordon Previous Previous Rondo Energy adds thermal energy storage at Calgren Next

How a startup makes Lego-like bricks to serve as battery power ...

Imagine if you could store as much energy as a Tesla Model X with only a brick. That's already a reality thanks to a Bay Area startup that designs bricks to look sort of like giant Legos and can



[How It Works -- Rondo Energy](#)

Thousands of tons of brick are heated directly by this thermal radiation, and store energy for hours or days with very low loss (less than 1% per day). Rondo's Heat Battery stores heat the way it's ...



Rondo Energy (\$162 million to develop low-cost heat battery for

Rondo heat battery system (ref. US11603776B2). The heat battery includes an electrical energy supply input, a container that houses thermally conductive bricks, resistive heating elements, sensors and devices, and blowers, an output gas flow of steam and/or



[Calgren Renewable Fuels Case Study](#)

Summary: The 2MWh Rondo Heat Battery captures intermittent renewable electricity, stores it at temperatures exceeding 1,000 C in brick materials, and delivers continuous industrial heat on demand. Calgren Renewable Fuels produces the world's lowest carbon intensity (CI) ethanol, biodiesel and RNG at their Pixley, California facility. . Rondo is proud to be working with ...

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