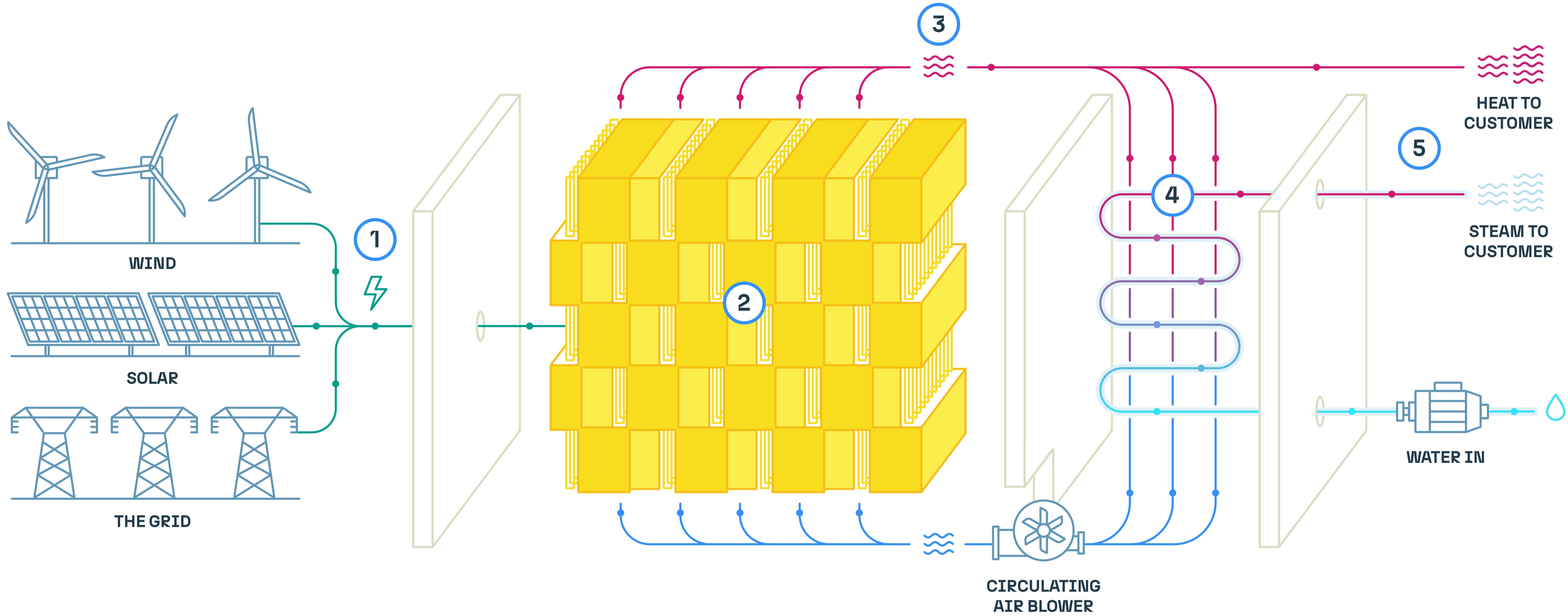


# The Rondo Heat Battery



## ① Low-cost, intermittent electricity turns into heat.

Zero-carbon wind and solar electricity are now lower cost than fossil fuels in many regions of the world - when the wind is blowing or the sun is out.

The Rondo Heat Battery uses electric heating elements, like those in a toaster or oven, to turn power when it's available into high-temperature heat.

Electrical heaters (Joule heaters) convert electrical energy into heat at 100% efficiency, and interact smoothly with grid and off-grid generation.

## ② Thermal radiation warms bricks at temperatures up to 1,500°C, storing heat.

When power is available, the electrical heaters glow brightly and warm objects around them rapidly.

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 been stored for centuries. Millions of tons of this kind of brick have been used around the world for centuries to store high-temperature heat.

## ③ Heat is delivered whenever it's needed, on demand, start-stop or continuously.

When heat is wanted, air flows up through the brick stack and is superheated to over 1000°C. The heat delivery rate is adjusted easily by changing air flow.

Heat at the outlet is delivered at exactly the desired temperature via automated AI patented controls.

The air is eventually recycled back through the system, minimizing heat loss and maximizing efficiency.

## ④ Heat is delivered as superheated air or as superheated steam.

Rondo delivers heat at the exact temperature and pressure to meet facility demands.

The heat battery easily integrates into existing infrastructure.

The system is a drop-in, zero-emission, boiler replacement.

## ⑤ Air and/or steam is delivered to any industrial process 24/7.

The Rondo Heat Battery is modular, scalable, and energy dense. Each individual Heat Battery delivers megawatts of heat, and larger installations are built as a battery bank.

The Rondo Heat Battery is designed to drop into existing facilities or power new-builds, and offers a fast, low-cost pathway to decarbonization and reduced operating costs.

Learn more at [rondo.com](https://rondo.com)