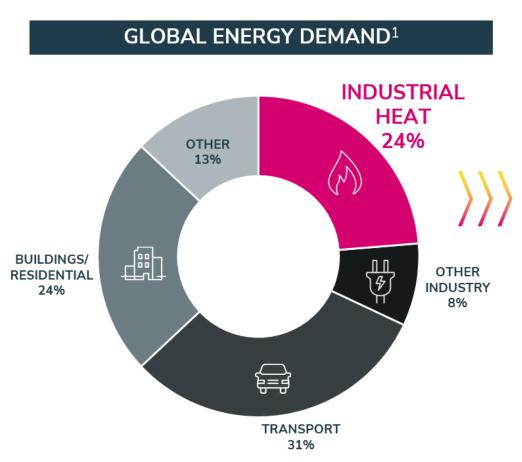
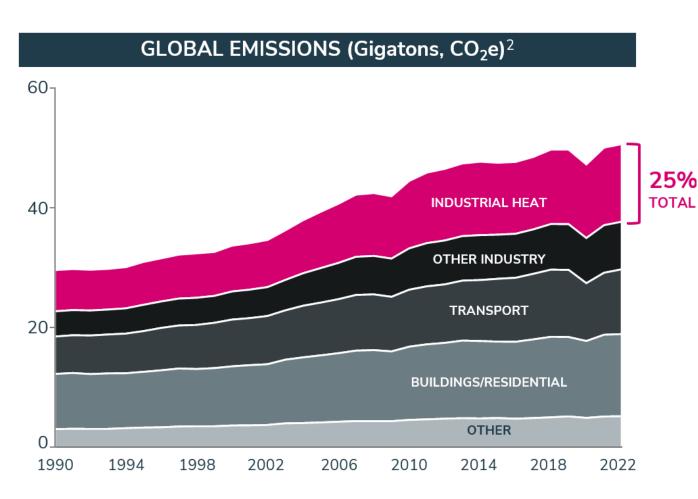


Rondo Heat Batteries Repowering American Industry with zero-carbon heat

Industrial heat is ~25% of global energy & emissions



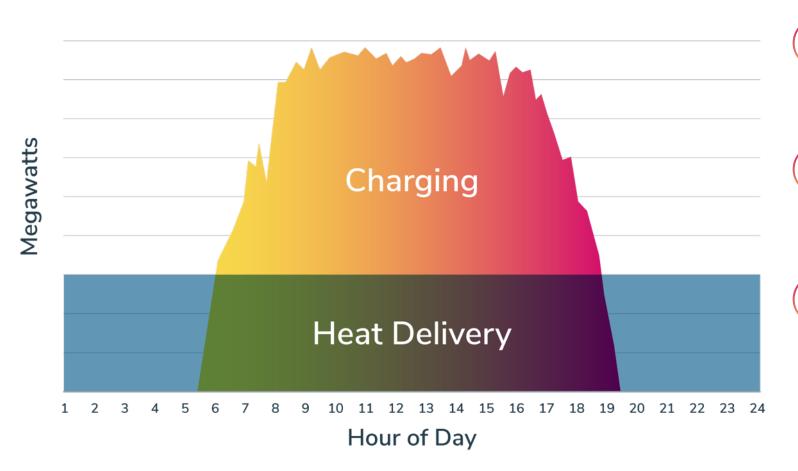
1 - IEA, 2 - IEA, EDGAR, and ClimateWorks Foundation





Renewables have one major problem: intermittency

RENEWABLES AVAILABILITY VS. INDUSTRIAL HEAT DEMAND



- Wind and solar power generation are inherently intermittent
- 2 Industry requires 24/7 heat or steam to support continuous operations
 - Cost-effective energy storage that can charge intermittently and deliver continuous heat is essential to decarbonizing the industrial sector



Rondo is backed by energy leaders























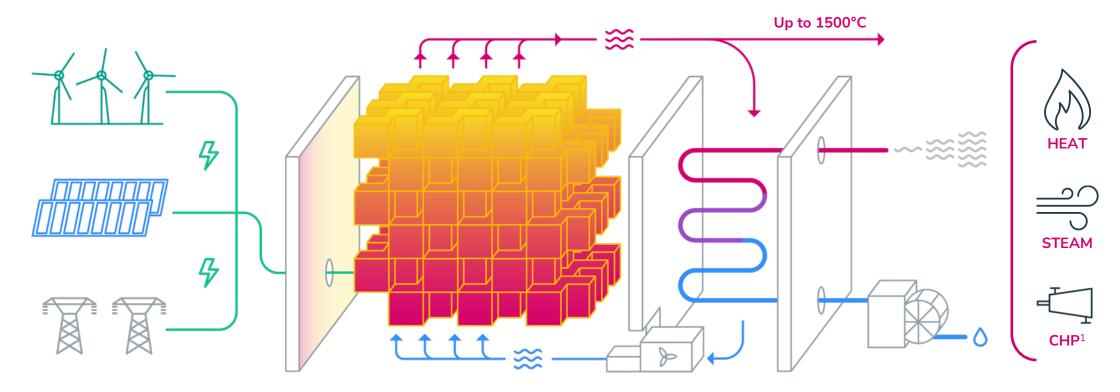


Rondo's solution:

The Rondo Heat Battery



The Rondo Heat Battery (RHB) converts renewable energy into 24/7 heat, steam, or CHP for industry



- 1 The Rondo Heat Battery charges with intermittent electricity from local wind & solar or from the grid
- 2 Electricity powers radiant heaters with zero loss; refractory brick is rapidly and uniformly heated to 1100 1500°C, and stores heat for hours or days
- The battery delivers **continuous superheated air** for use as process heat, steam, or electric power at over 98% total efficiency



Mature, proven technology. Deploying now.



RHB100

Typical Max Discharge Rate: 7 MW

Typical Peak Charge Rate: 20 MW (AC)

Heat delivered: Continuously 24/7

Footprint: 15m x 12m x 12m



RHB300

Typical Max Discharge Rate: 20 MW

Typical Peak Charge Rate: 70 MW (AC)

Heat delivered: Continuously 24/7

Footprint: 40m x 15m x 12m

The Rondo Heat
Battery solution is
available
on either a CAPEX
or on XaaS basis.

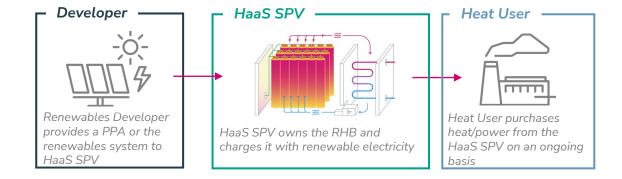


We have two XaaS models: SaaS or HaaS

The key difference is who is responsible for the electricity used to charge the RHB

Storage-as-a-Service("SaaS") Developer SaaS SPV Heat User Renewables Developer provides a PPA or renewables system to the Heat User Heat User pays for the SaaS SPV owns the RHB and Grid right to use and operate provides Heat User with the the RHB System and right to use/operate the RHB purchases electricity Electricity is sourced from the grid

Heat-as-a-Service ("HaaS")







Thermal batteries are now backed by significant federal investments and creating jobs

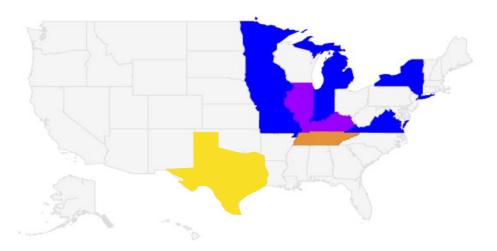
DOE's Recently Announced Thermal Battery Demonstration Projects



Federal Investment: \$170.9M

Technologies: Heat pumps, electric heaters, electric boilers, solar thermal, solar pv, and thermal energy storage

Announced partners: ENGIE



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Federal Investment: \$75M

Technologies: Thermal batteries

Announced partners: Rondo



Federal Investment: \$35.2M

Technologies: Thermal batteries

Announced partners: Electrified Thermal

Solutions



Federal Investment: \$375M

Technologies: Thermal batteries

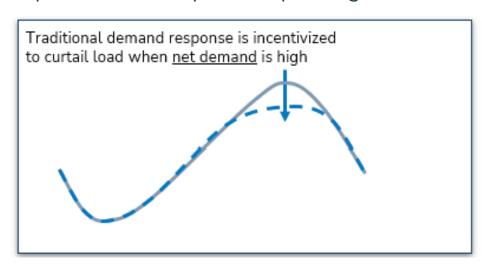
Announced partners: Rondo

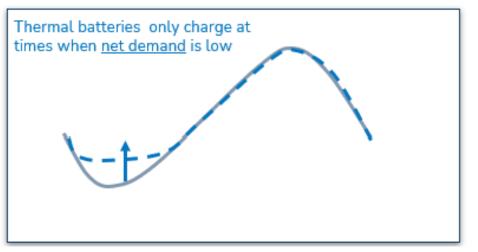


Thermal batteries are a new class of fully dispatchable resource with meaningful grid benefits

Dispatchable Load ≠ Demand Response

- Traditional **demand response** programs assume that a load runs for most hours, and will only curtail from baseline conditions if incentivized to do so. These programs are designed to provide capacity to the system and relieve strain at the highest net-demand hours.
- **Dispatchable thermal batteries** only charge when there is excess generation and network capacity. Thermal batteries have no baseline power draw, as they will idle at zero load until dispatched either by a utility or system operator, or in response to price signals.







Thermal batteries are a new class of fully dispatchable resource with meaningful grid benefits

Thermal battery storage systems bring highly desirable attributes into electricity systems and markets, such as:

- Non-coincident peak load that increases the utilization of system assets
- Quick response times enabling provision of ancillary services
- Large scale (GWs) flexible assets enabling economic integration of new clean resources
- Price responsive demand that can set prices



