

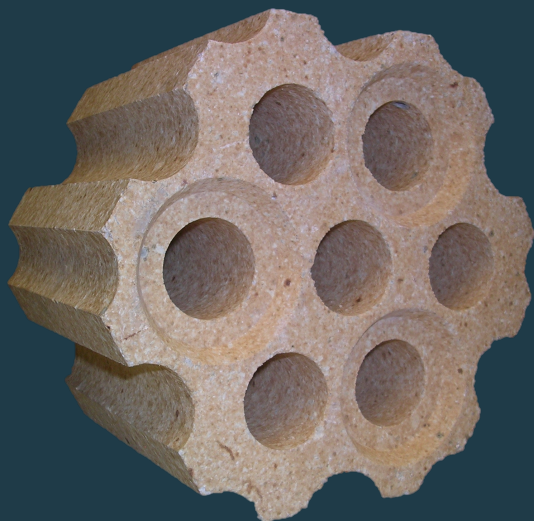


Infrastructure for today's grid

Fast, clean power for AI

John O'Donnell, Founder & CIO

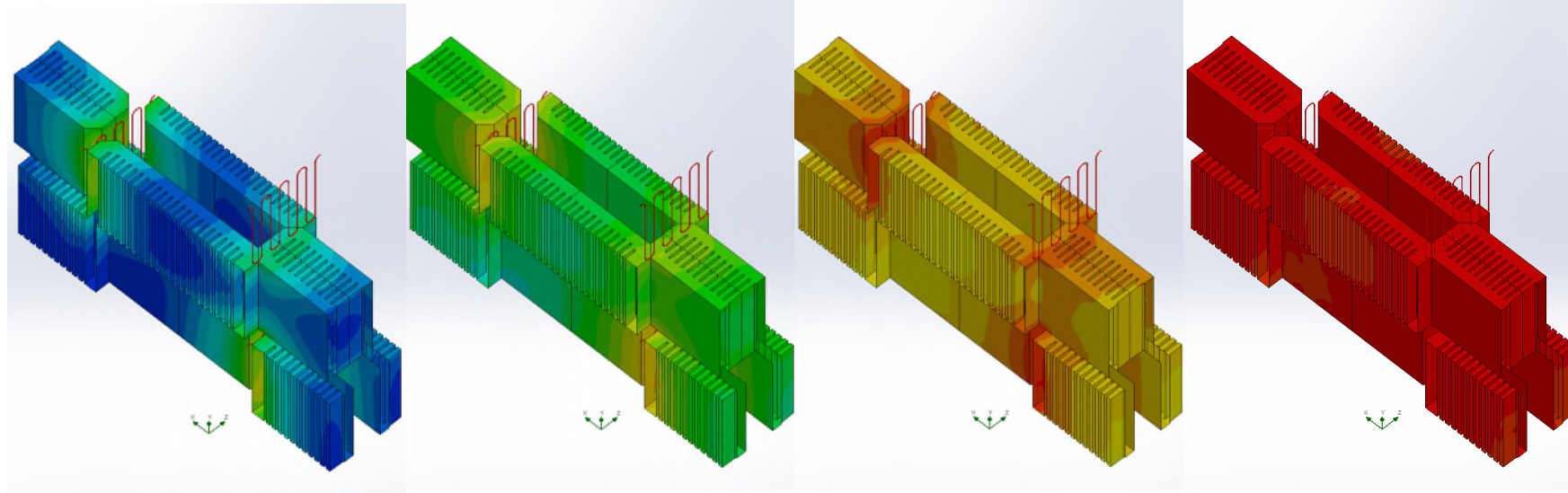
john@rondo.com



Charging rapidly to uniform temperature with no moving parts



Bare wire. No moving parts. 1-cycle response. Tiny cost.

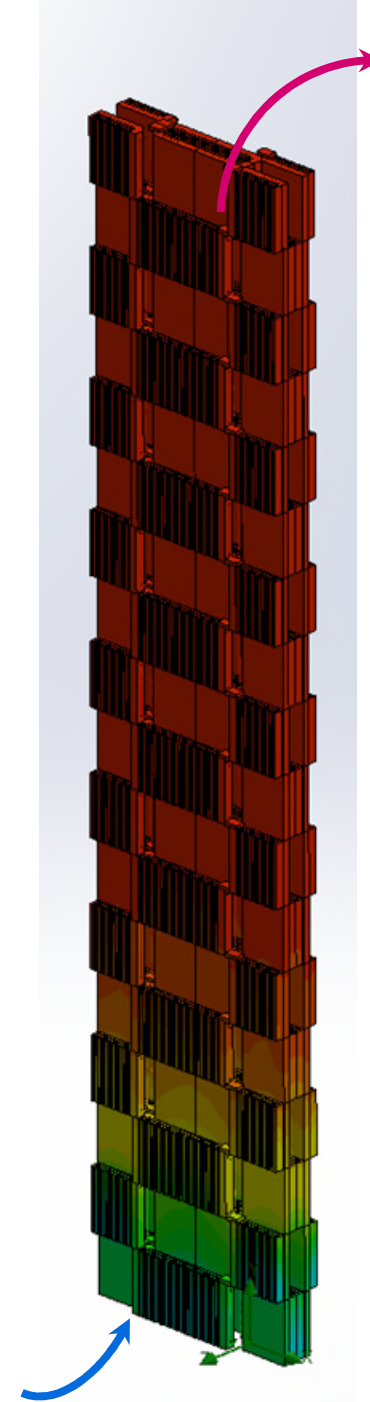


Internal “radiation chamber” structure allows **thermal radiation** to heat brick at 100% efficiency
Constant emitter temperature and $^{\circ}\text{K}^4$ **heat transfer**: no moving parts, no fluids, 5 hour charging
Precision internal charging with digital twin control restores sharp thermocline every cycle

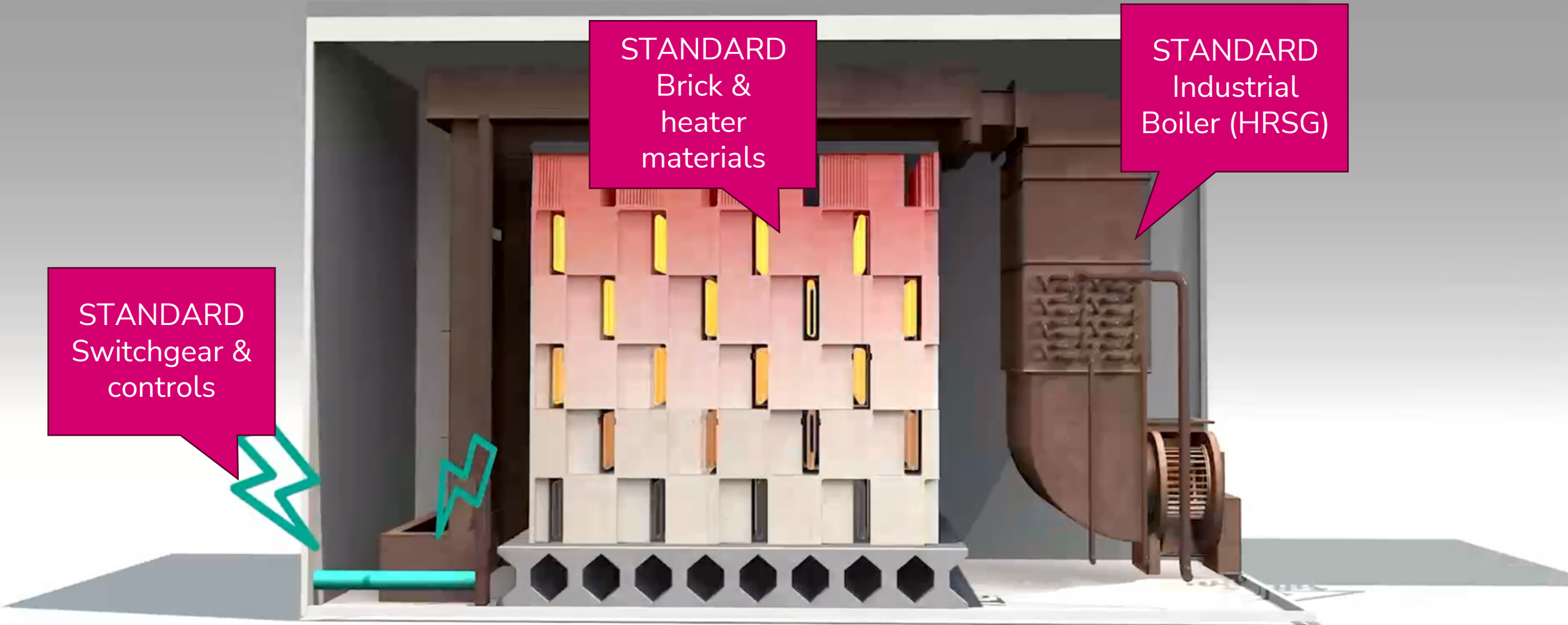
Rondo’s portfolio of over 70 patents covers this and other fundamental innovations in cost, temperature, duration, and safety.

Delivering heat at **constant** temperature

Thermocline **convection** heat output
No internal moving parts
Low-temperature air circulators



Ramping to TWh production



90 GWh/y





CA-0 CALIFORNIA · USA · BIOFUELS

Where it all started.

Pilot unit running on commercial duty since March 2023 — over 10,000 hours and counting.

Calgren ● In service



CA-1 CALIFORNIA · USA · PETROCHEMICALS

100 MWh Heat Battery

100 MWh in commercial service since August 2025 — the flagship Rondo deployment.

Holmes Western ● In service (Aug 2025)



PT-1 PORTUGAL · STORAGE-AS-A-SERVICE

Pioneering Portugal's largest heat battery.

Steam delivered as a service through utility partner EDP — a 100 MWh deployment in the country.

EDP ● SaaS · 2027



DK-1 DENMARK · INDUSTRIAL PARK

Replacing fossil fuels at GreenLab.

Heat battery anchors the GreenLab industrial-symbiosis park in Skive.

GreenLab ● SaaS · 2027-28



DE-1 GERMANY · CHEMICALS

Decarbonising the chemicals giant.

Covestro deploys a 100 MWh heat battery — Rondo's European debut.

Covestro ● SaaS · 2026



TH-1 THAILAND · CEMENT

First heat battery in Southeast Asia.

Drives a steam turbine at a cement plant, tied into waste-heat recovery.

SCG ● Generating steam on-spec

2H 2025: 100 MWh Heat Battery, in California

Heat stored at over 1000°C

Online 2H 2025

100 MWh storage capacity

1500 psi, 600°F steam

100 bar, 310°C steam

Manages islanded (off grid)
local solar PV array



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AI-generated illustration of interior, 70% state of charge

2H 2025: SE Asia's First Heat Battery, in Thailand

Steam turbine power

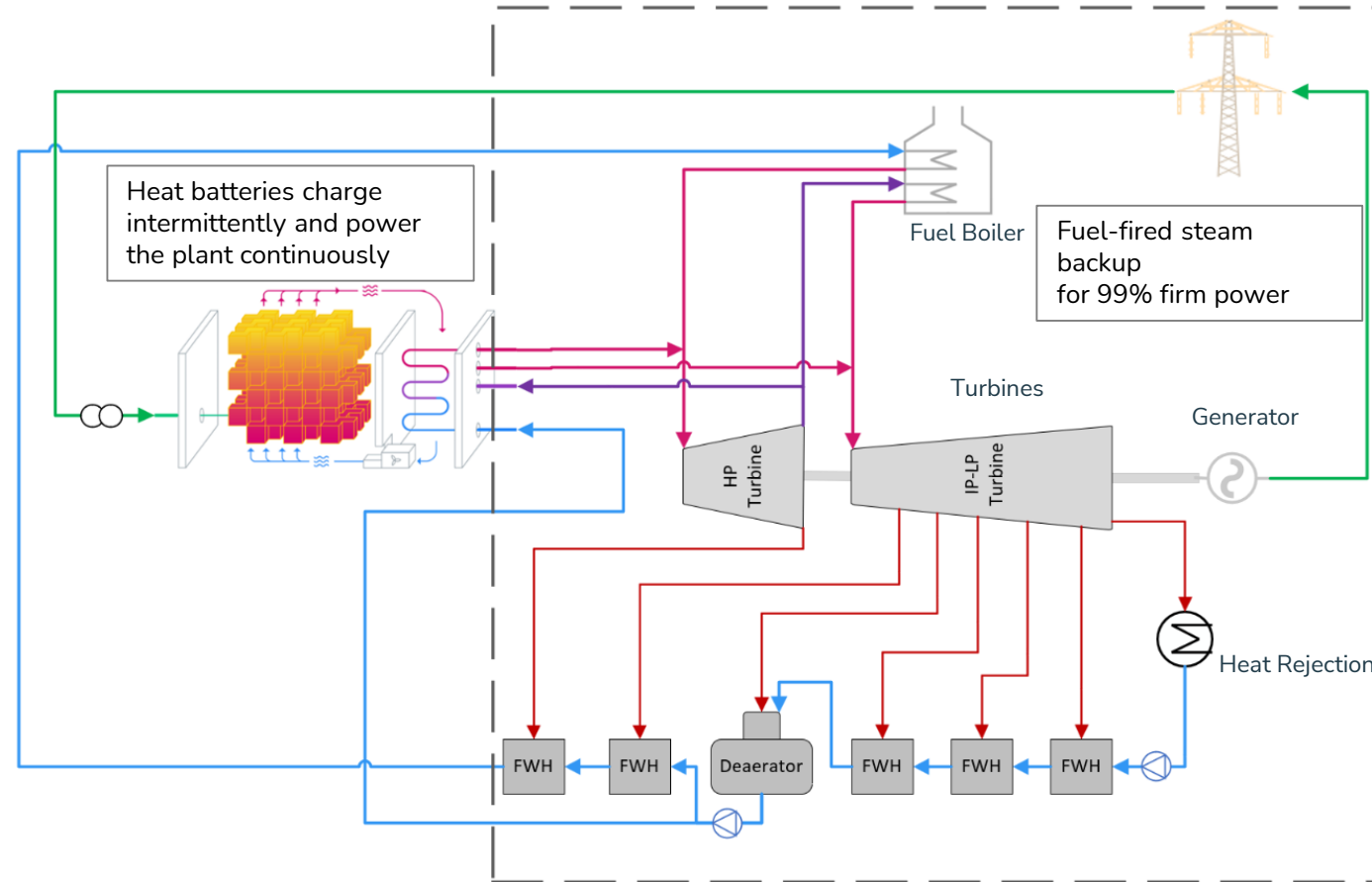
Fully modular

Fully internationalized

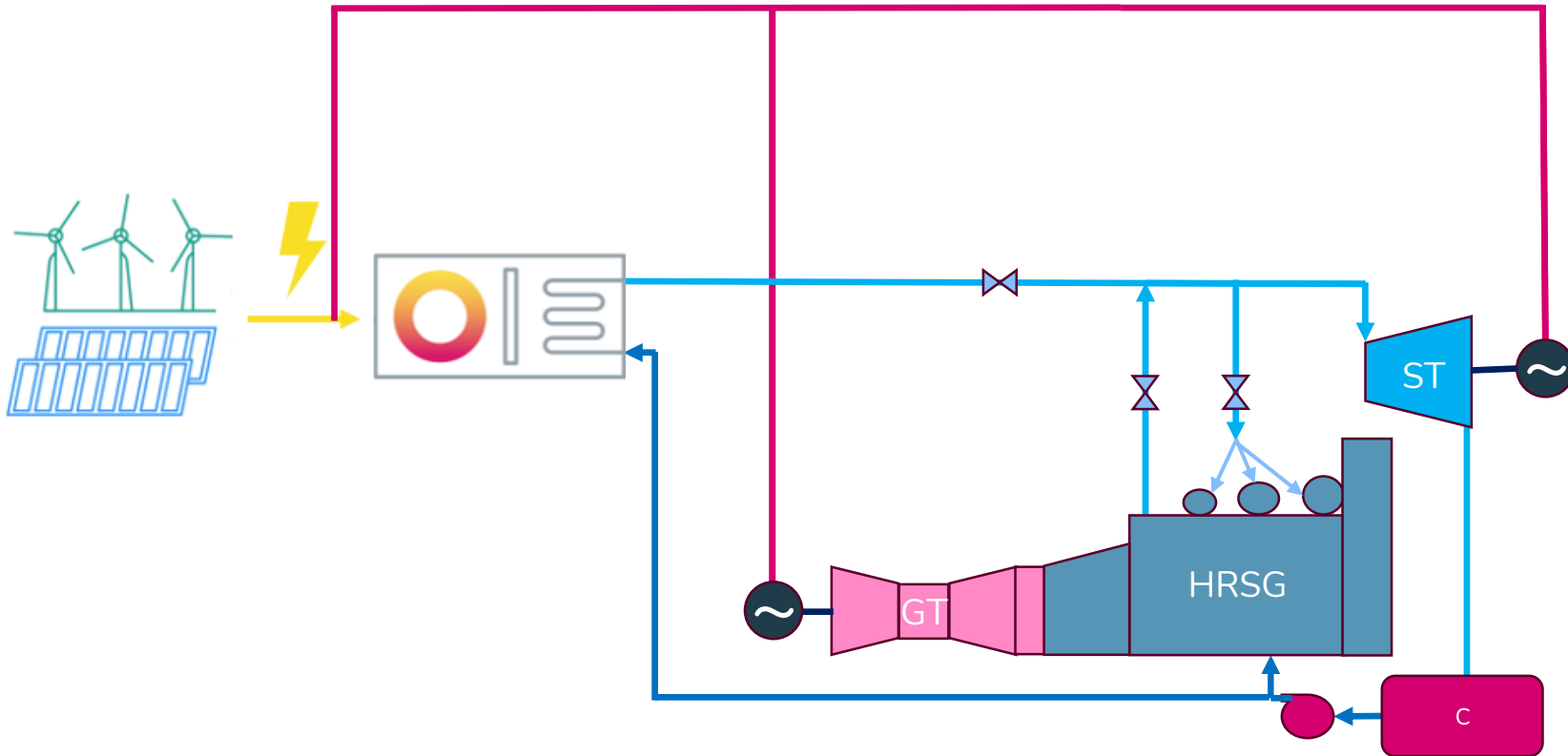


Cement factory (steam turbine power)

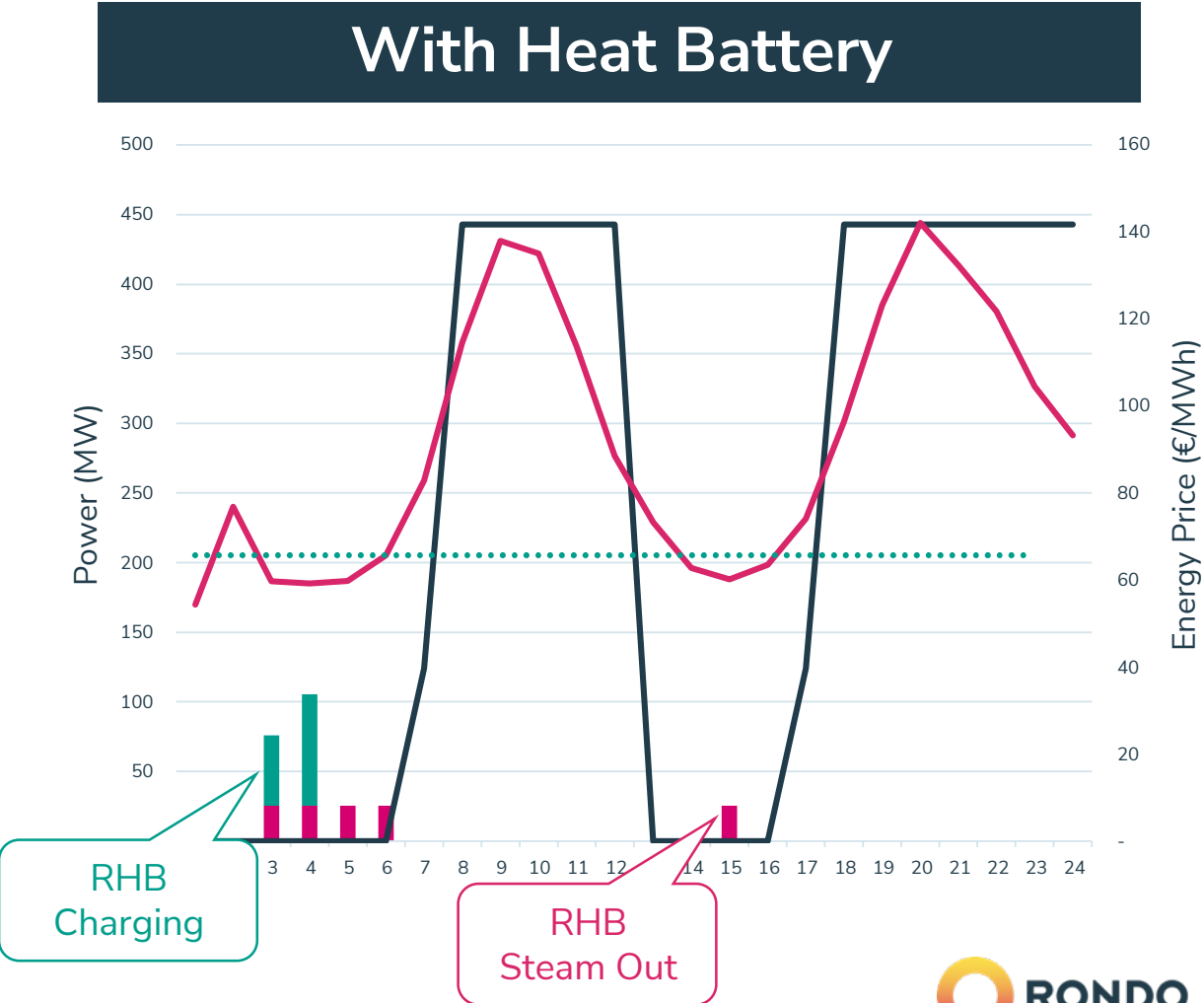
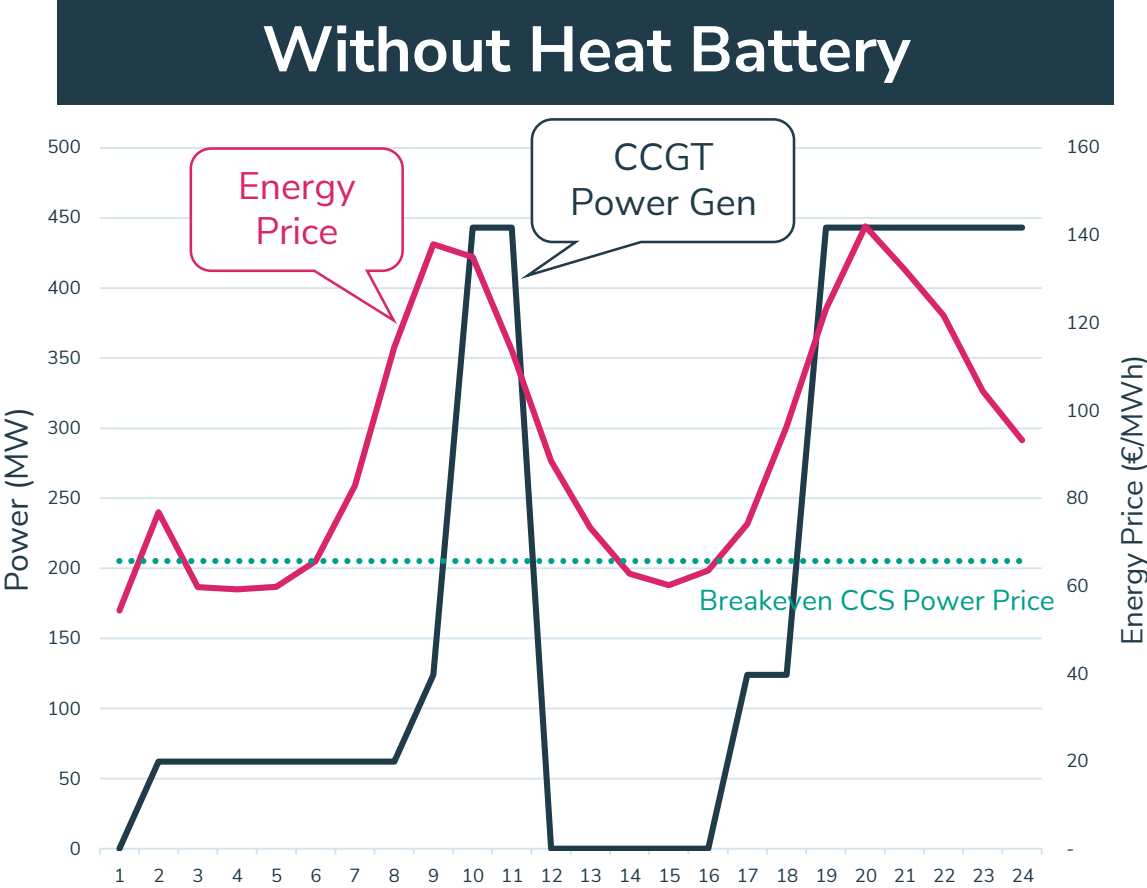
Very high temperature can repower fossil assets as LDES



Heat Battery Integrated Combined Cycle



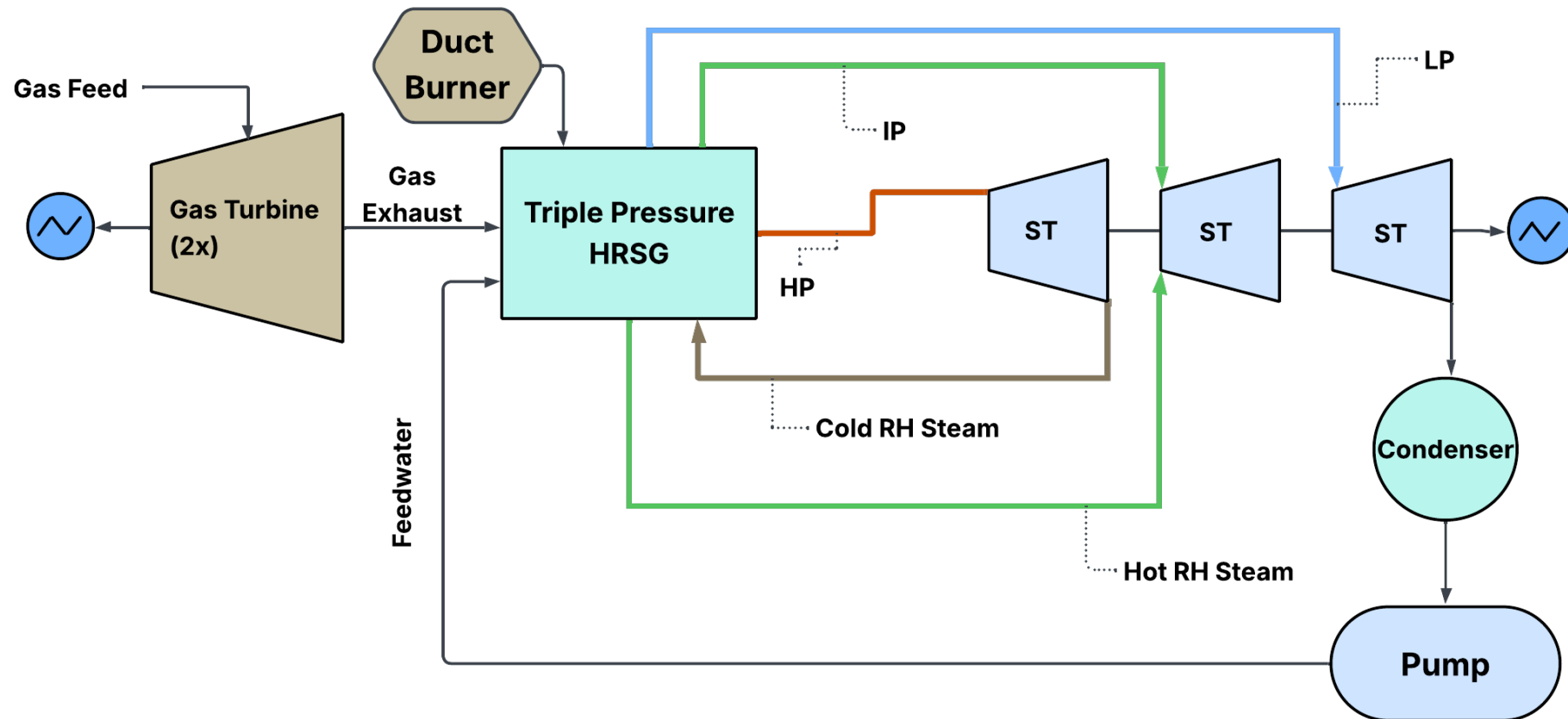
Agility amidst volatility delivers money



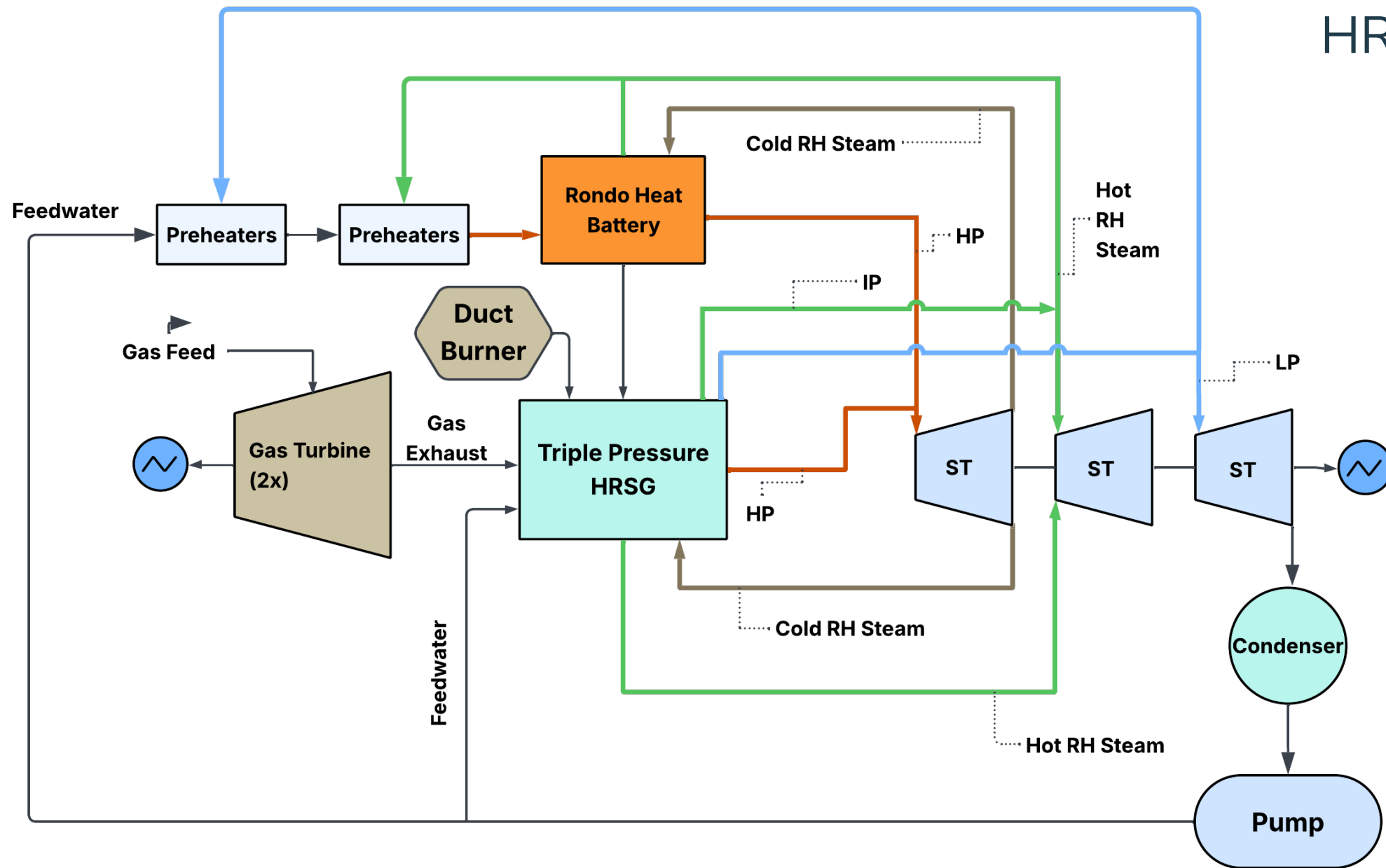
Charts adapted from 1x1 9F dispatch model with 2027 Germany prices

Increased CCGT cycle **efficiency** delivers **savings**

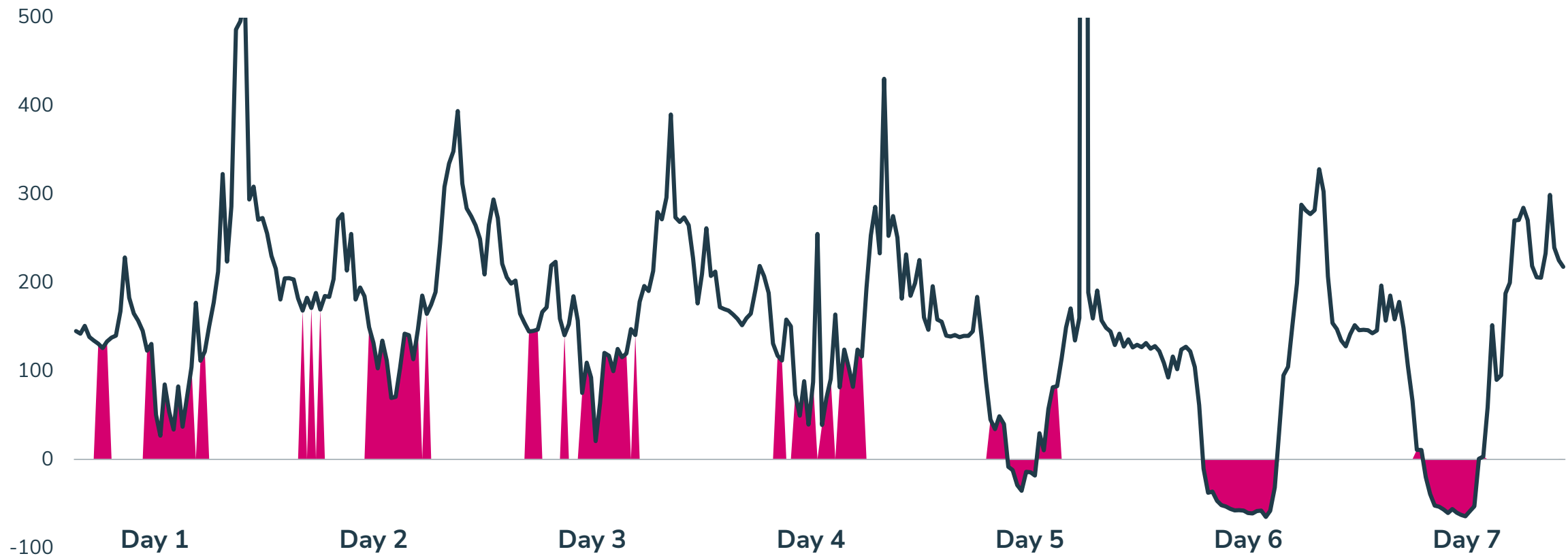
Triple-pressure captures lower-temperature HRSG heat but generates power at low efficiency
Supplemental firing (duct burner) is lowest efficiency use of gas



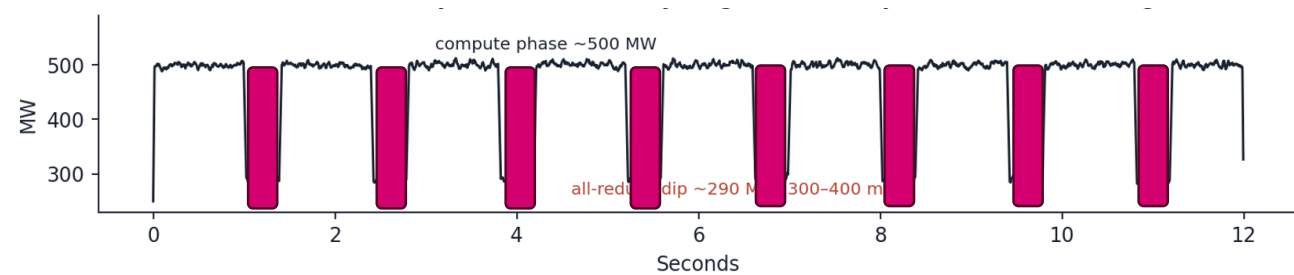
HR <4900



Instant charging power in any pattern: cost & grid benefits

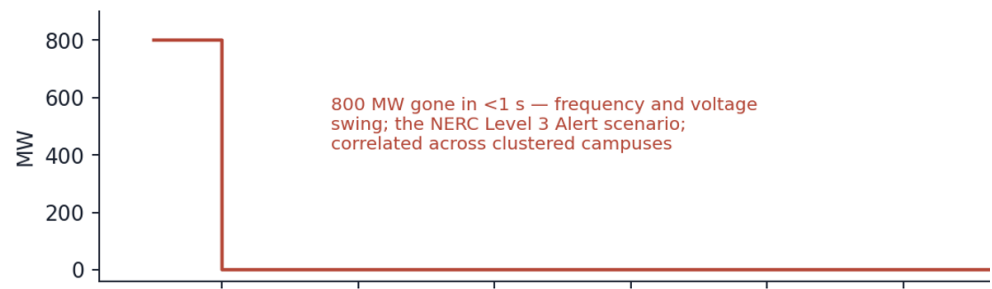


Rondo charging balances data centers at **near-zero cost**

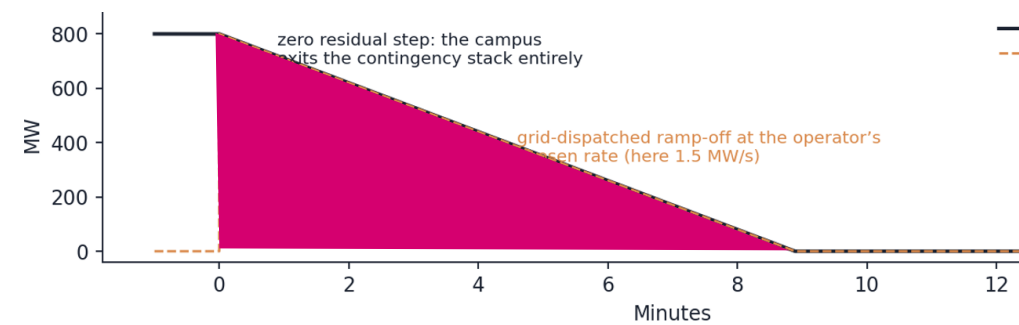


20 million+ cycles/yr
Shaft resonances, $\partial\text{Hz}/\partial t$, ∂V
Mandatory smoothing
Heater switching ***always available***

Data center disconnect



Instant ramp-up / mitigation ***always available***



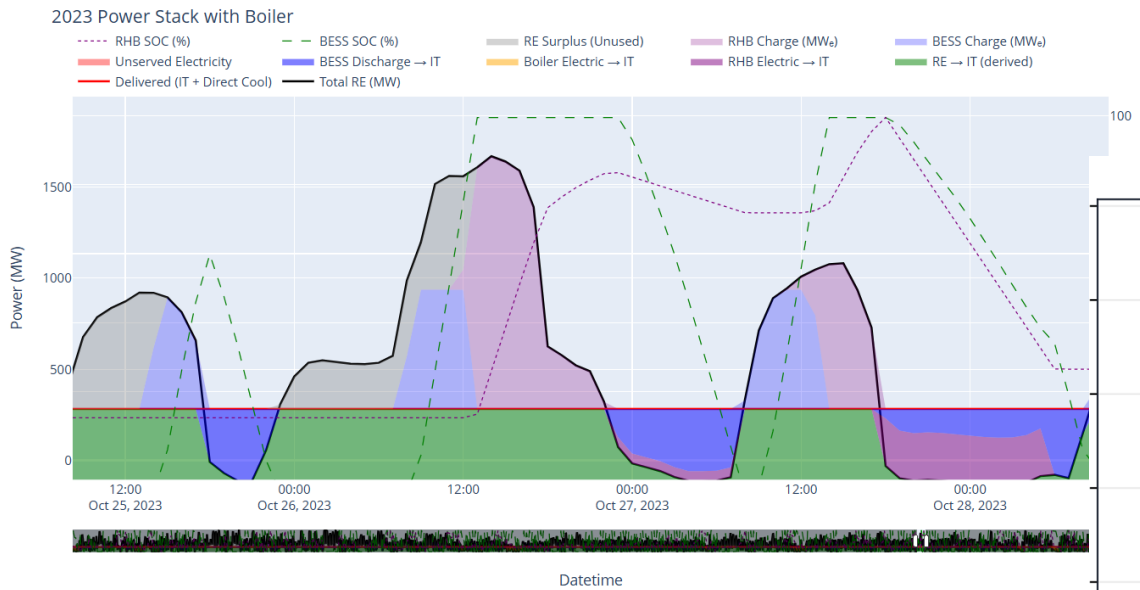
The Last Ten Percent: How Long-Duration Storage Breaks the Infrastructure Deadlock for AI

or

The Gas Mirage: Why AI's Search for Firm Power Leads Back to Renewables

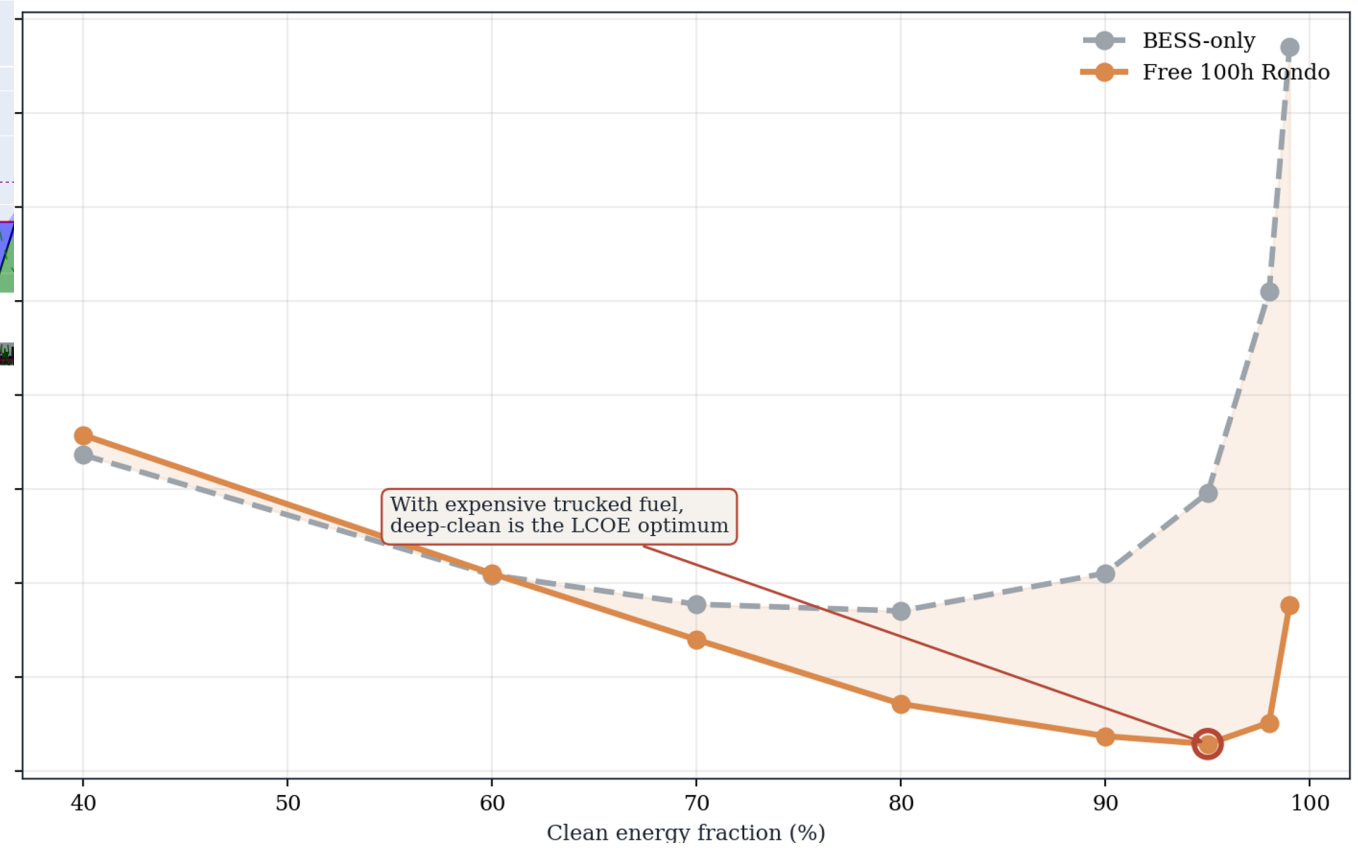
Eric Gimon, Ph.D.
Senior Fellow, Energy Innovation

The value of very low cost ULDES: *AI power faster than gas*

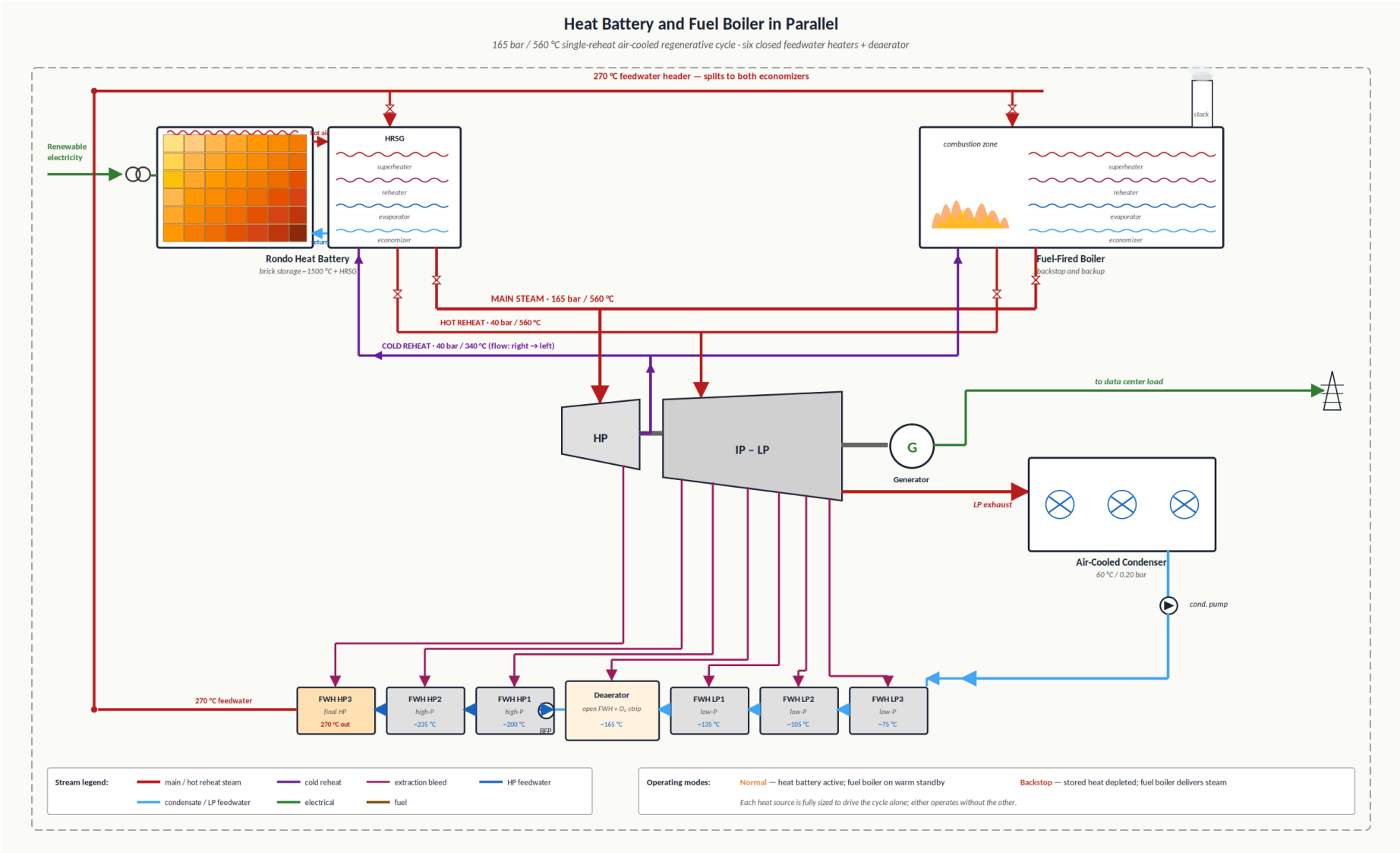


>98% clean power
Cheaper than 60% clean with Lilon
Build anywhere (2% fuel)
Fiber is the only linear

LCOE on trucked liquid fuel — deep-clean becomes cheapest

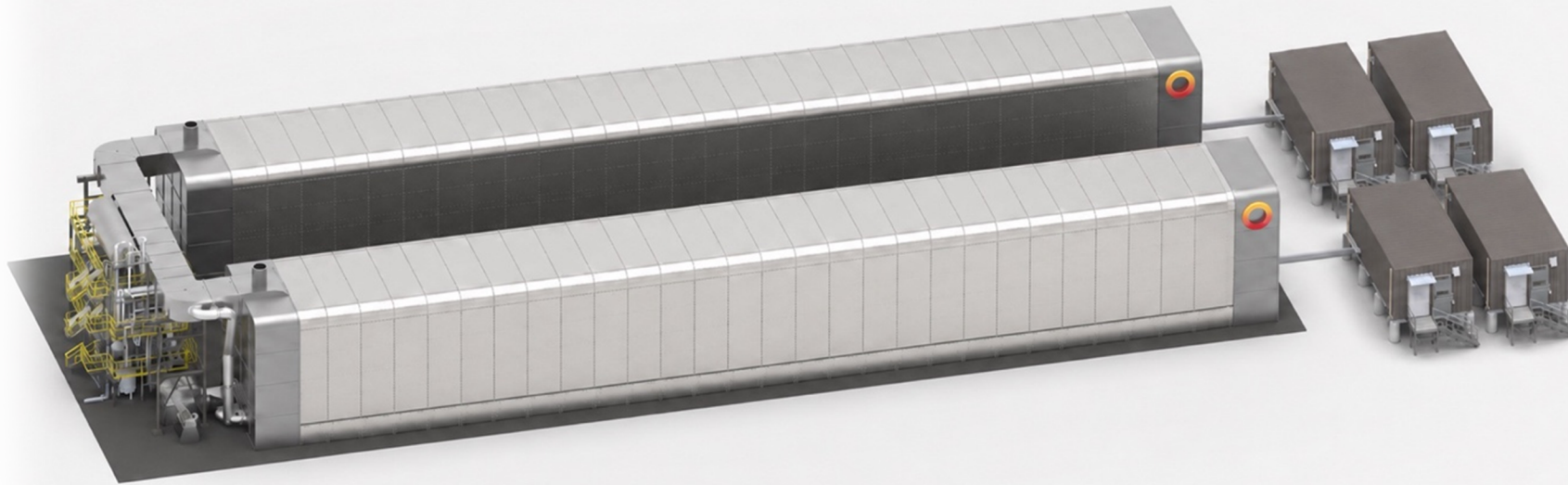


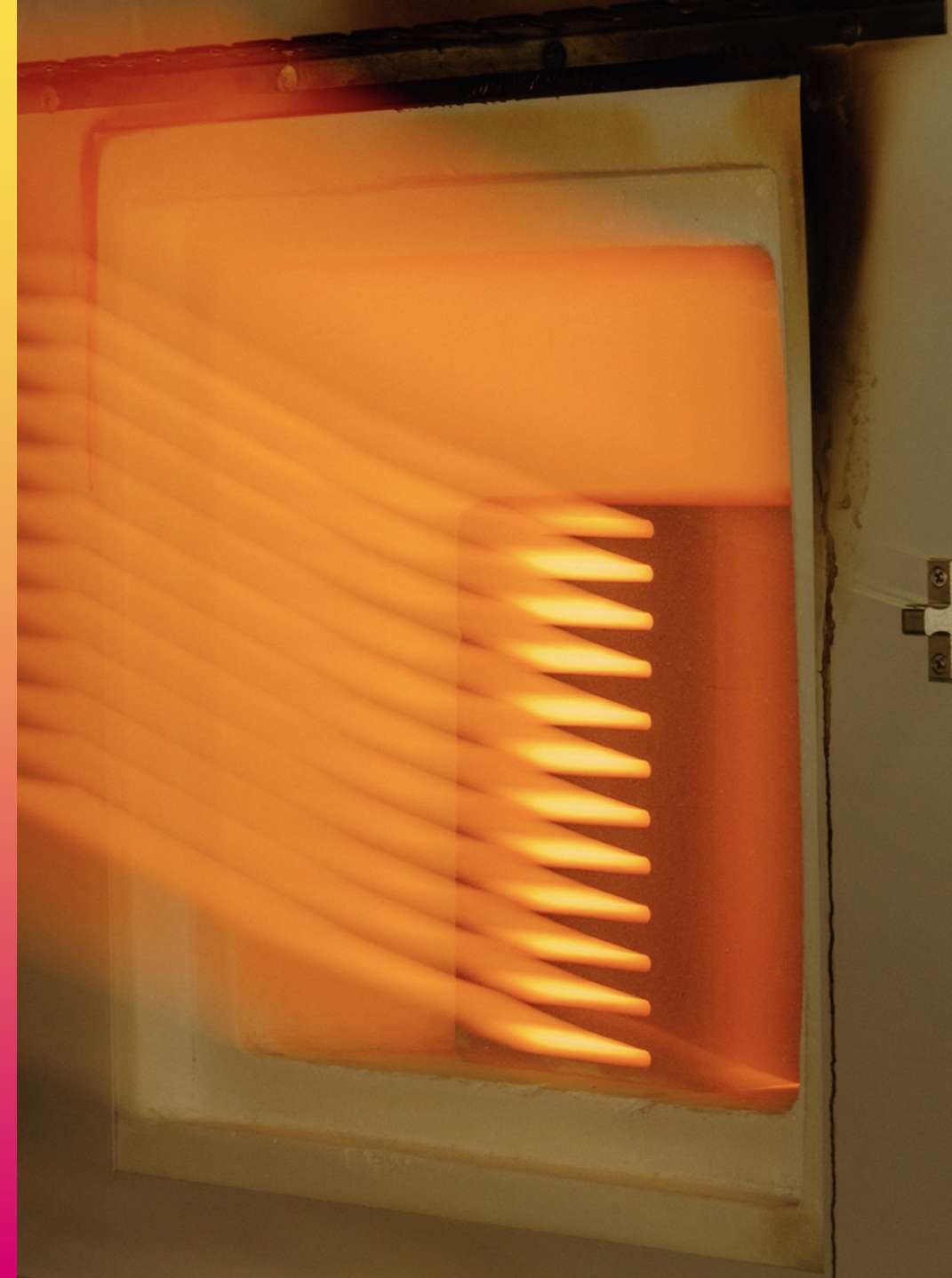
Fast-delivery, high-efficiency dual-fuel prime mover



Very low cost ULDES: 100-hour delivery, 12 hour charge

Ramping to large scale production



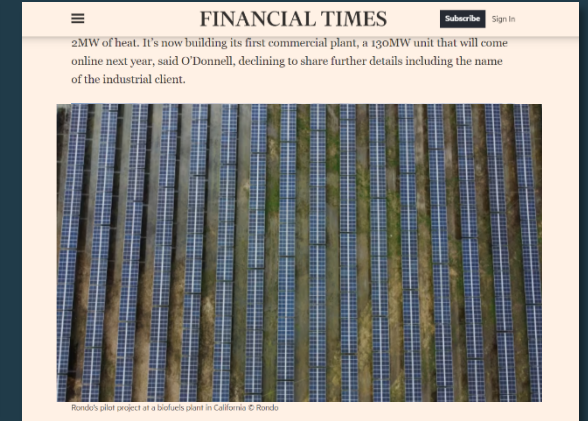
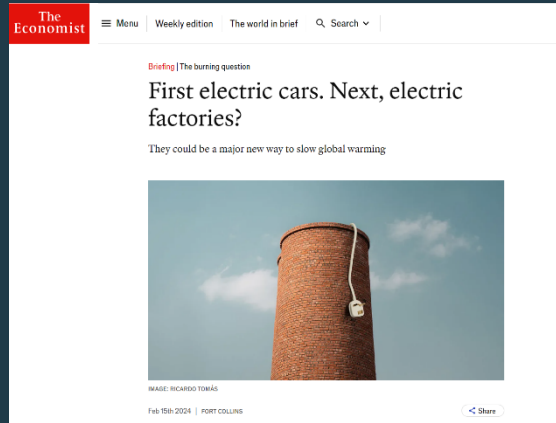
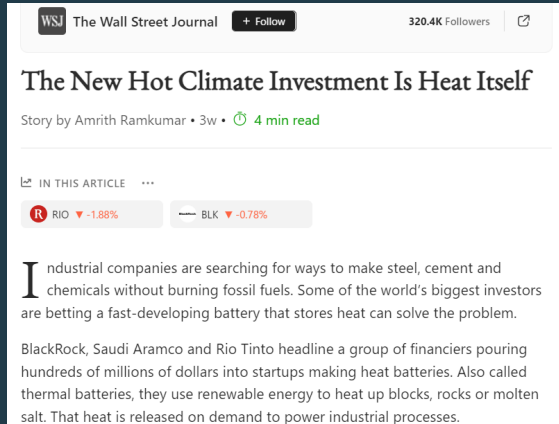


Let's build.

john@rondo.com - Founder & Chief Innovation Officer



Worldwide recognition of Rondo



'Can a simple brick be the next great battery?'

'The Breakthrough Battery Technology'

'These bricks can hold as much energy as a Tesla'

