ThermoCirca

The next 100GW of AI won't be limited by chips. It will be limited by the infrastructure powering those chips.

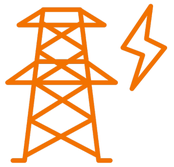
Unlocking 10x Power for the Hardware Powering AI Era

The Problem

AI is scaling exponentially and the hardware can’t keep up

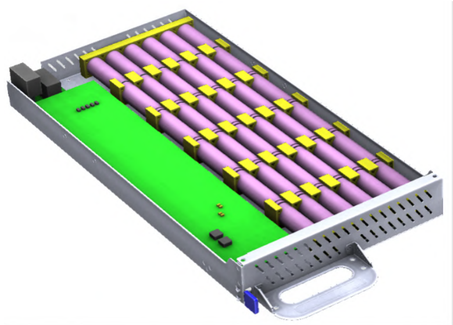
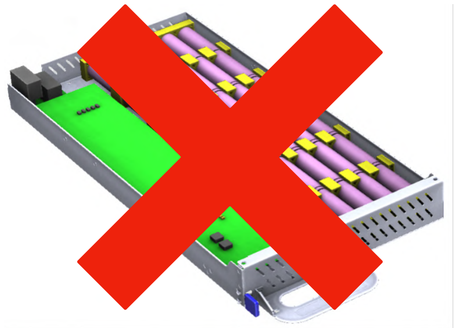
10x

Increase In Compute Power Density

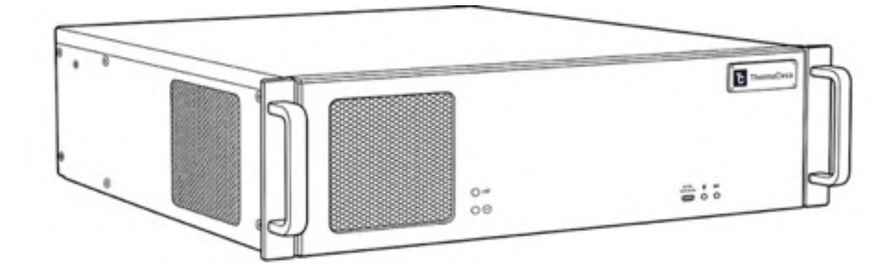


Grid-Breaking GPU Power Demand & Volatility

How do we increase the power of a BBU by 10x?

	2025	2027
	Battery Backup Unit (BBU)	
		
	Backup power for data servers	Power demand management
Average rack power	100 kW	1000 kW

The First BBU with 10x More Instantaneous Power



Built for managing power volatility 24/7

Engineered with proprietary immersion cooling to survive 1,000 kW surges that break standard infrastructure.

Built by ex-Apple, Exowatt engineers

Andrew Ying
CEO, Cofounder

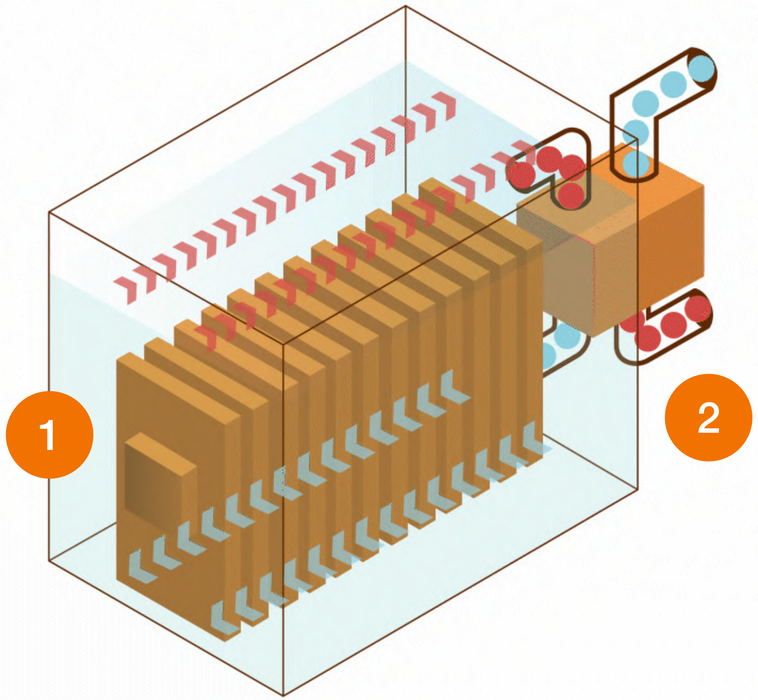
Deep battery experience and product commercialization

Sushrut Bapat
CTO, Cofounder

Scaled hardware startups to $500M+ valuations

Advisors from GE, NextEra Energy, LG

Immersion Cooling: The Only Way to Survive at 1,000 kW



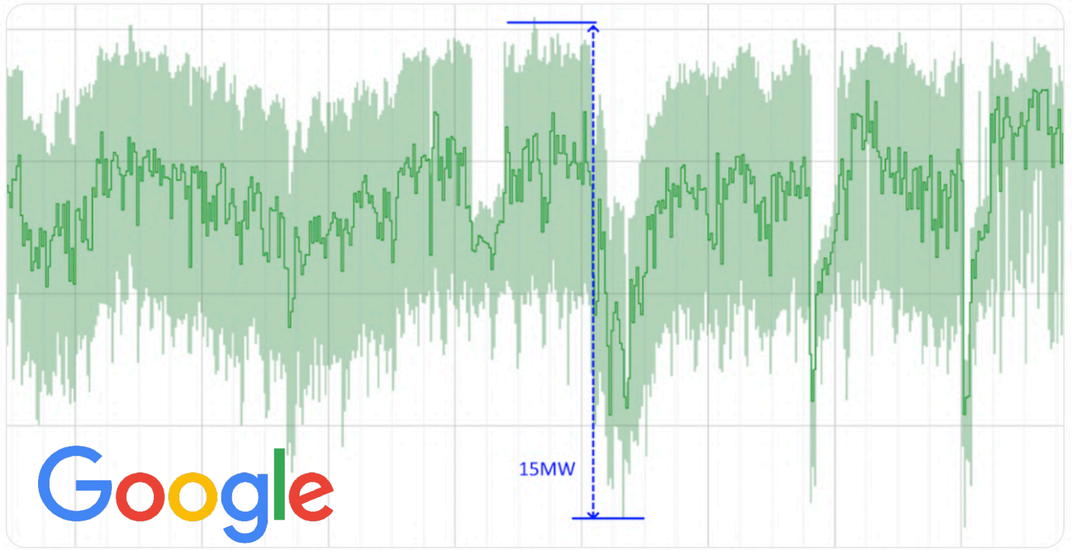
1. The batteries are fully submerged in a cooling fluid that removes heat efficiently
2. Heat is removed from the system using a heat exchanger

Immersion Cooling Benefits

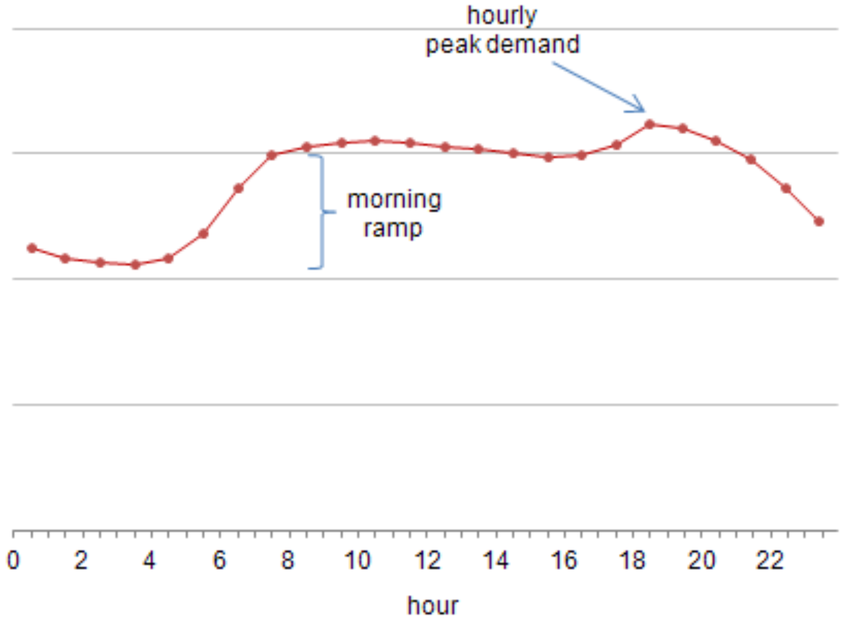
- Unrivaled power capabilities
- Minimized safety risks
- Up to 25% longer life

Up to 1000x more effective than air

ThermoCirca enables data centers to connect safely to the grid

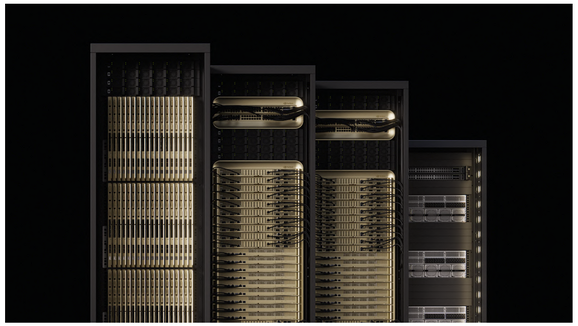


What the GPU wants



What the grid sees

Power Volatility Thesis Validated by 10+ Tier-1 Infrastructure Partners



Hyperscalers confirm active power volatility management is now required for high power AI clusters.

Schneider Electric

EATON
Powering Business Worldwide

VERTIV

ABB

Actively negotiating partnership with a Tier 1 industrial electrification

Reviewing product requirements with data center operators for 2026 pilot.

Our Business Model (The Strategy)

Product Validation

Industrial Electrification

Schneider Electric · EATON Powering Business Worldwide · VERTIV. · ABB

Established Distribution

Integrated Solutions

Early Adoption/Retrofit

Neocloud/Edge Compute

EQUINIX · NTT · IRON MOUNTAIN · Crusoe · DIGITAL REALTY · CoreWeave

Low upfront cost Scalable

Infrastructure Deferral

Full Adoption

Hyperscalers

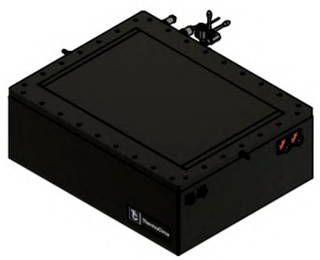
Microsoft · aws · Meta · Google · ORACLE

CapEx Prioritization

Customized Integration

What We’re Looking For

What We’ve Done



Technology Validation

Provisional Patents

What’s Next?

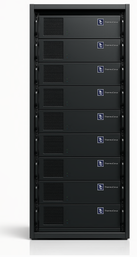
$1.2M

SAFE Note
12 months

Systems Engineering

Revenue Model Evaluation

Pilot System

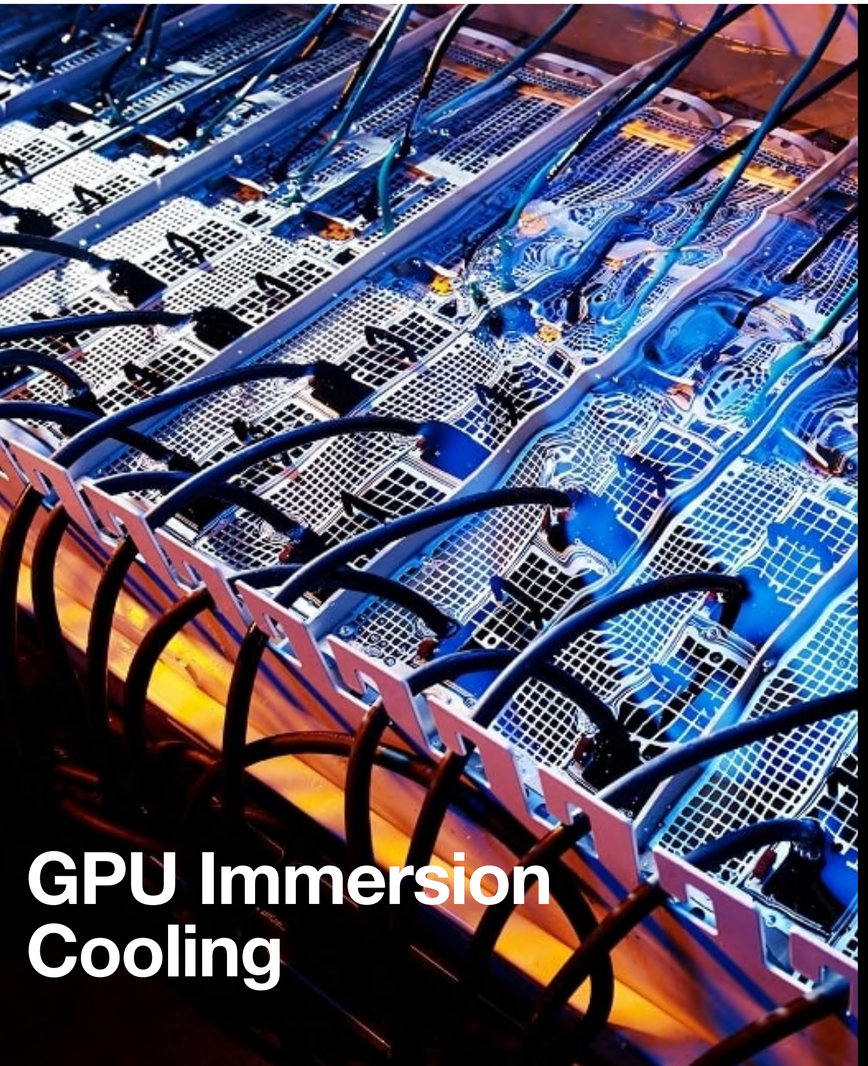


5 months

Customer Pilots

8 months

Engineering the Future of High Efficiency Cooling



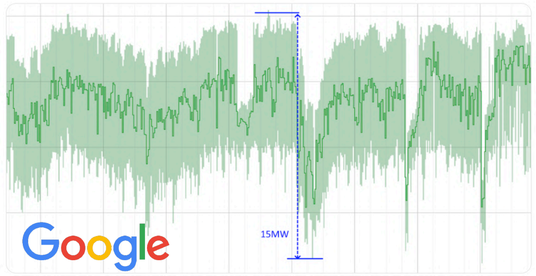
GPU Immersion Cooling

Robotics

eMobility

ThermoCirca: The Battery System that Makes AI Scaling Possible

Problem



Solving power volatility is one of the urgent problems to scaling AI

Our Solution

The first BBU built for managing ultra high power volatility 24/7 powered by immersion cooling

Market Traction

Active product requirement reviews with Industrial Electrification partners for 100MW+ integration