

Infinidium

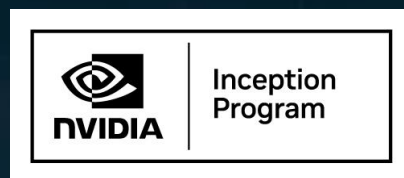


The First Institutional Data Center Architecture
Without Water Or Electrical Cooling

Company Overview

Infinidium is raising \$1 million to grow its next-generation AI data center architecture.

This round will fund the first revenue-generating AI deployment (16 NVIDIA H200 GPUs).



Eliminates electrical cooling entirely



Operates without traditional air or liquid cooling systems



Requires no cooling fans



Reuses internally generated **thermal energy**



Reduces external grid demand by **approximately 60%** vs traditional facilities¹

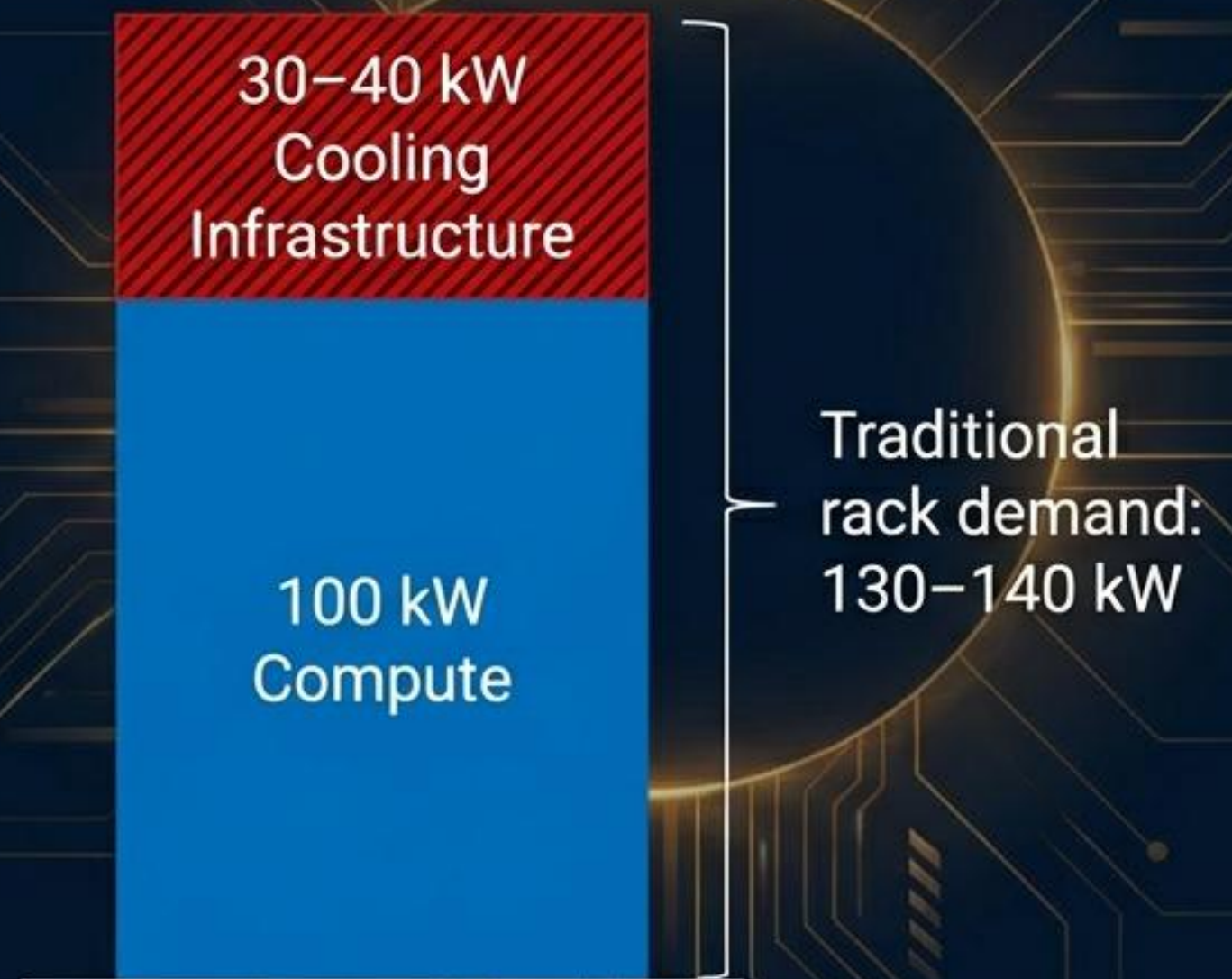
1. ~35% reduction from elimination of powered cooling, and ~35% reduction from heat recapture. Calculations and supporting materials available in data room.

The Cooling Tax in AI Infrastructure

For every 100 kW of compute

- 30–40 kW is consumed by cooling¹
- >95% of electrical energy ultimately becomes heat²

Cooling is a structural inefficiency



1. 40% of data center energy consumption is for cooling - boydcorp.com.

2. <https://www.datacenterdynamics.com/en/analysis/combining-heat-and-compute/>

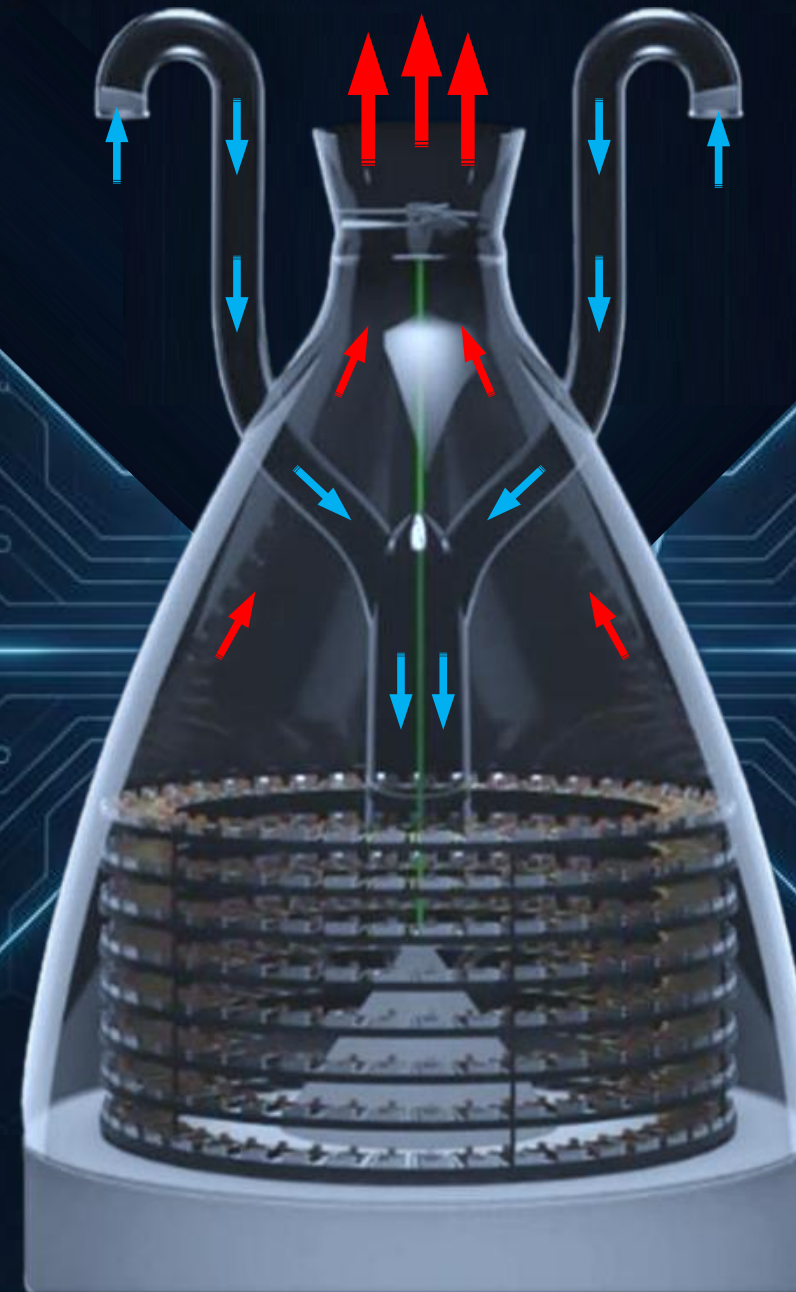
First-Principles Cooling Architecture

Cooling achieved by physics – not mechanical infrastructure

Vertical Integrated thermal architecture

Controlled internal airflow dynamics

Passive thermal behavior

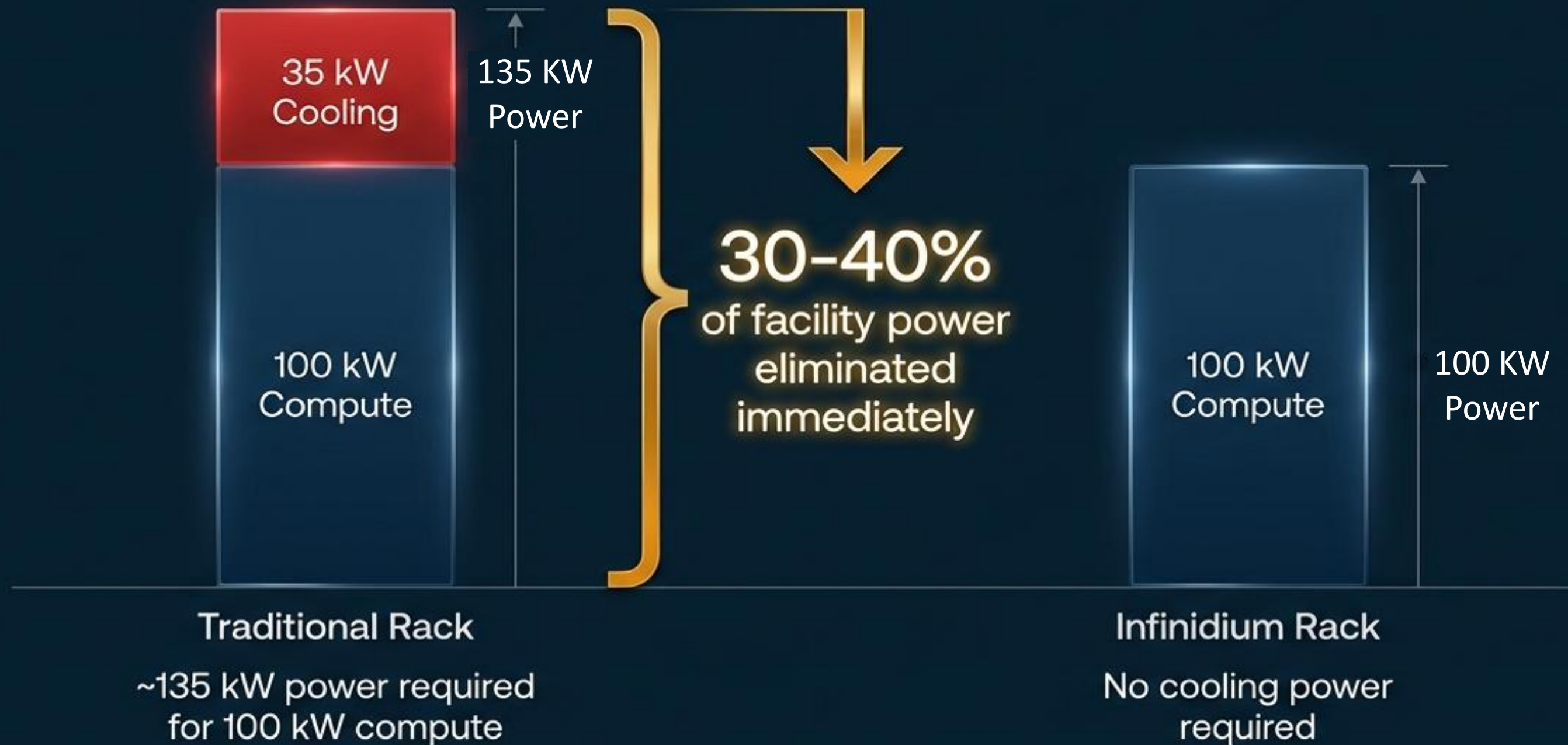


No refrigerants

No evaporative systems

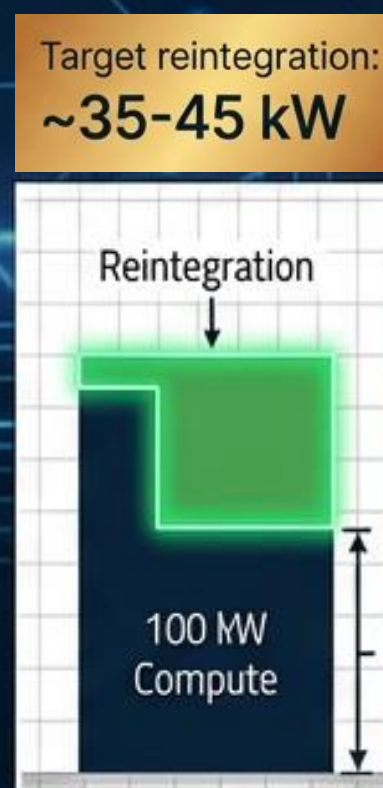
Validated by passive desert cooling towers

Superpower #1 – Zero Electrical Cooling



Superpower #2 – Heat Becomes Offsets

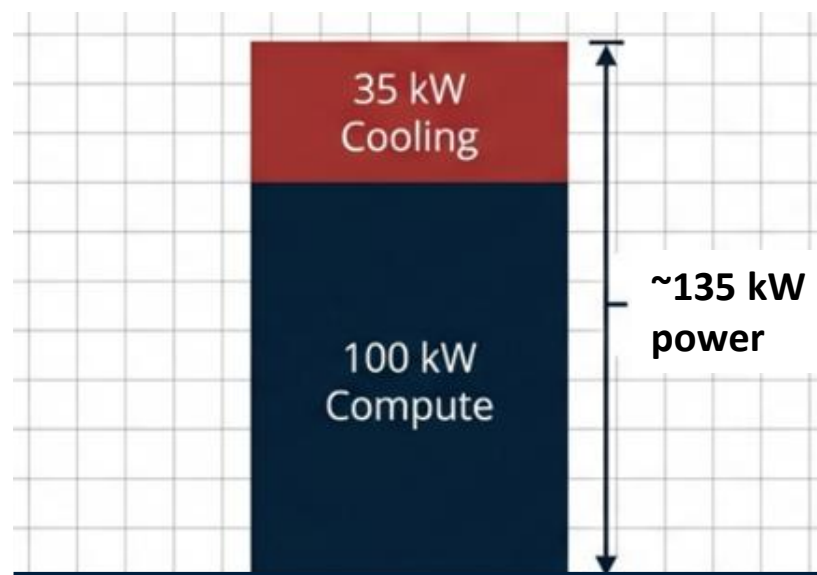
Reusing internal GPU heat



- Heat recovery subsystems capture residual thermal output for secondary reuse
- Directed airflow drives integrated mechanical systems that generate usable electrical output
- Target ~35-45 kW DC reintegration per 100 kW

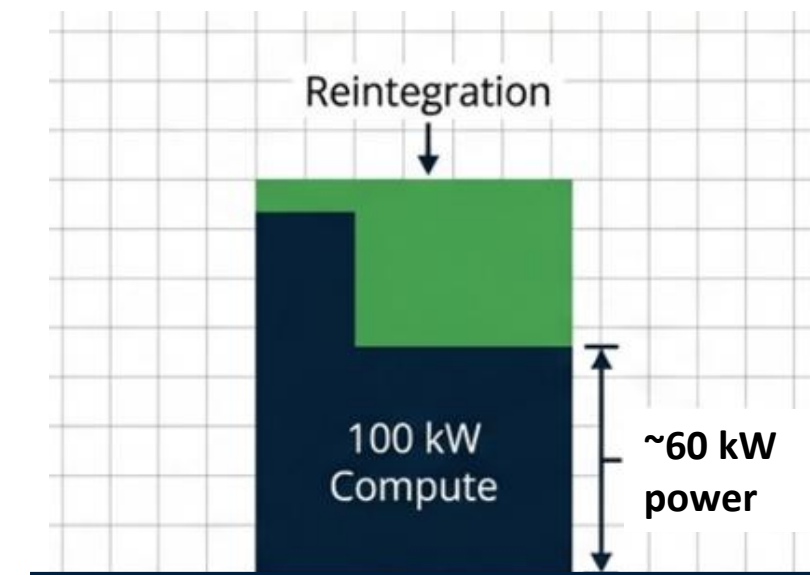
~60% lower external power requirement¹

Traditional Rack



100 kW compute + ~35 kW cooling =
~135 kW power required

Infinidium Rack



100 kW compute - ~40 kW reintegration =
~60 kW power required

Setting a new industry standard for PUE efficiency

¹. Modeled steady-state target for initial deployment.

Designed for a Water-Constrained, Noise-Sensitive World

Enables

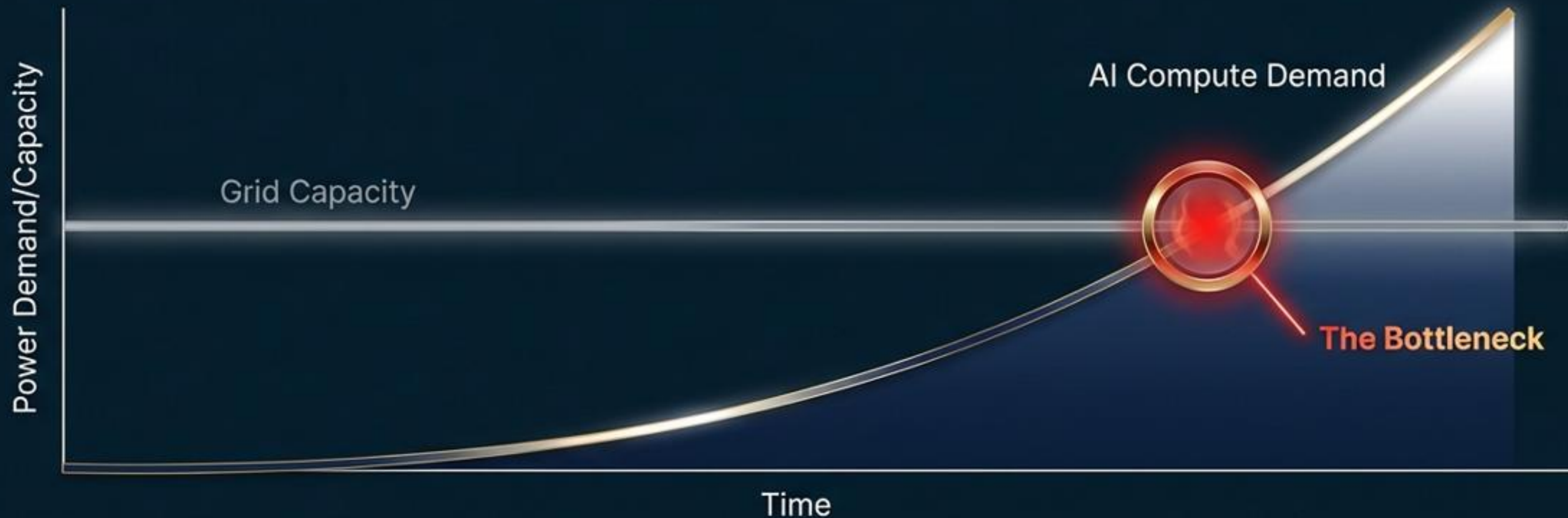
- Deployment in water-scarce regions
- Faster permitting due to elimination of water and large HVAC infrastructure
- Urban and modular installations with minimal retrofitting required for commercial spaces
- Deployment in grid-constrained and remote environments



Operational Advantages

 <p>No electrical cooling</p>	 <p>No water</p>	 <p>No fans</p>	 <p>Ultra-quiet</p>
 <p>Any GPU / Server</p>	 <p>No evaporating cooling</p>	 <p>No ongoing water consumption</p>	 <p>No chemical refrigerants</p>
 <p>Lower emissions</p>	 <p>Reduces Thermal Pollution</p>	 <p>No high-decibel mechanical noise</p>	 <p>Fewer mechanical parts</p>

AI Growth is Colliding with Power Constraints



High-density clusters are straining utility capacity



Utilities are restricting high-load interconnections – increasing delays globally

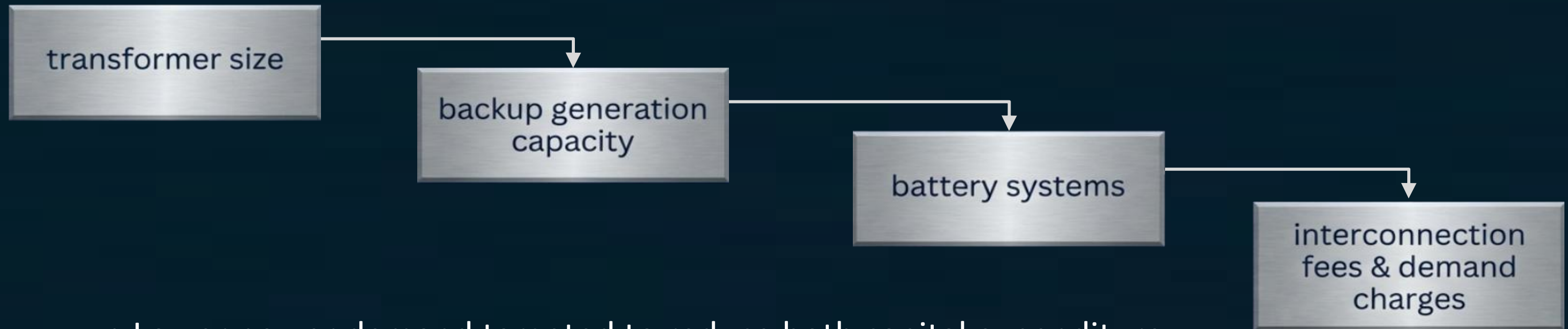


Energy intensity is under regulatory pressure

Power delivery – not compute hardware – is the primary bottleneck

~60% Lower Power Demand Changes Everything

Power peak draw reduces



- Lower power demand targeted to reduce both capital expenditure on auxiliary systems and long-term operating costs by over 50%
- Fewer mechanical subsystems mean lower maintenance frequency, downtime and lifecycle cost

Multi-Gigawatt Opportunity



retrofit of
existing
high-density
facilities



cooling-free
design for
new AI builds



modular
deployments
in constrained
locations

Efficiency is becoming mandatory infrastructure

Three Revenue Streams

Infinidium-Owned 5MW Data Centers

- 50 x 100kW chambers
- Sell AI compute at structurally higher margins

EPC + Licensing

- Design and build for third-party owners
- Upfront EPC revenue
- Ongoing license and performance fees

Sustainability Monetization

- Significant carbon credit generation
- Canada GHGs among the highest in the world

Deployment Roadmap

Phase 1 - Validation

- 8 GPU baseline
- 16 GPU chamber comparison
- Demonstrate reintegration delta

Phase 2 - Expansion

- 48 GPU deployment
- Secondary chamber
- Vendor + grant financing



Phase 3 - Scaling

- 3,600 GPUs per 5MW datacenter
- 50 chambers
- Renewable integrations

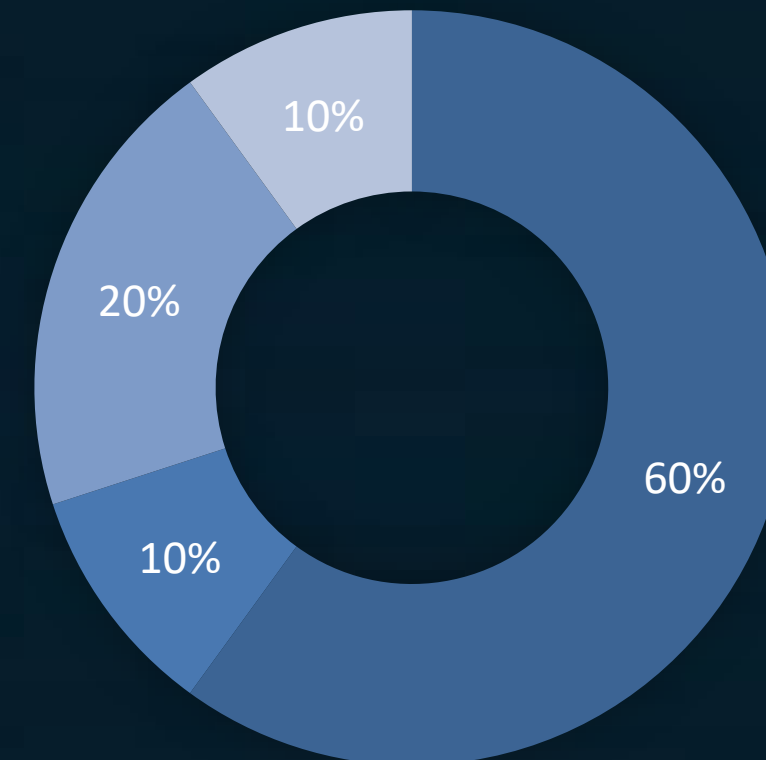
This \$1M raise will fund Phase 1, plus aims to unlock non-dilute funding for Phase 2

\$1,000,000 Seed Round – Uses of Funds

Phase 1 objectives

- Revenue from baseline (16 NVIDIA H200 GPUs)
- Development of peak-demand smoothing technologies, further reducing datacenter capex

Pre-money valuation: \$9 million



- \$600,000: GPUs & Hardware
- \$100,000: Vortex chambers
- \$200,000: Working capital
- \$100,000: Transaction Expenses / Fees

Proven leadership in energy and infrastructure

Management



Paul Grist (CEO & Director)
25 years in renewable energy & green tech.
founder of 3 IPO companies



Chad Mayer (Director)
20+ years in construction and critical facility
management



Dana Jurika (Director)
20+ years in mining finance and corporate
development



Bill DeJong (Corporate Secretary)
corporate/securities lawyer specializing in
crypto and financing

Advisors

Jamie Skawski: 30+ years IT; built multiple data centers as
VP overseeing Western Canada operations

Dr. Kamil Agi: Ph.D. Electrical Engineering; founder K&A
Wireless; NSF SBIR principal investigator

Dr. Arman Hemmati: Ph.D. in CFD/Aerodynamics; assistant
professor specializing in computational fluid dynamics

Specific Risks

- Execution risk: scaling operations and partnerships across multiple geographies and sectors
- Competitive risk: competitors may develop and market competitive products
- Regulatory risk: reliance on grants and carbon credit markets subject to policy shifts
- Financial risk: early-stage company with limited audited financial history and uncertain cash flow trajectory
- Capital risk: access to capital markets to fund the scale the business
- Private securities are speculative, illiquid, and carry a high degree of risk – including the loss of the entire investment

General Risks

Financial models and other supporting information regarding historical data, hypothetical target returns, contextual analysis, and other pertinent matters will be made available to prospective investors upon request. There is no guarantee of success, and there is a potential for loss of your investment.

Risks related to market conditions and governmental programs

- We may be adversely impacted by weakness in the local economies we serve
- New legislation and/or regulatory laws affecting our operations may affect our performance

Risks related to our business/operations

- We may be unable to successfully execute and manage our growth strategy
- Our success will depend on our ability to hire, train and retain key personnel

Risks related to our industry

- The industries in which we operate are highly competitive and many of our competitors have access to greater financial resources, lower funding costs and greater access to liquidity
- Unfavorable future conditions could adversely impact our business, financial position, results of operations and/or cash flows

Risks related to funding sources and interest rates/debt markets

- We are substantially dependent upon our secured and unsecured funding arrangements. If any of our funding arrangements are terminated, not renewed or otherwise become unavailable to us, we may be unable to find replacement financing on economically viable terms, if at all, which would have a material adverse effect on our business, financial position, results of operations and cash flows
- Changes in economic and legal conditions could materially and adversely affect our transactions, business, financial position, results of operations or cash flows
- Our earnings and reputation may be adversely affected if risk is not properly managed

Risks related to proposed financing transaction

- There is no assurance that we will be able to obtain additional capital as needed
- There is no guarantee of success, and there is a potential for loss of your investment
- There can be no assurance that any financial projections delivered to a prospective investor will accurately reflect the predicted profitability of our business
- There is currently no market for our securities; and it is unlikely that a market will develop in the future, which would impact your ability to resell our securities in an orderly fashion

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Infinidium

Industry: Technology

Company Type: Datacenter Tech

Location: Canada

Size: \$1 million

Investment Type: Equity

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