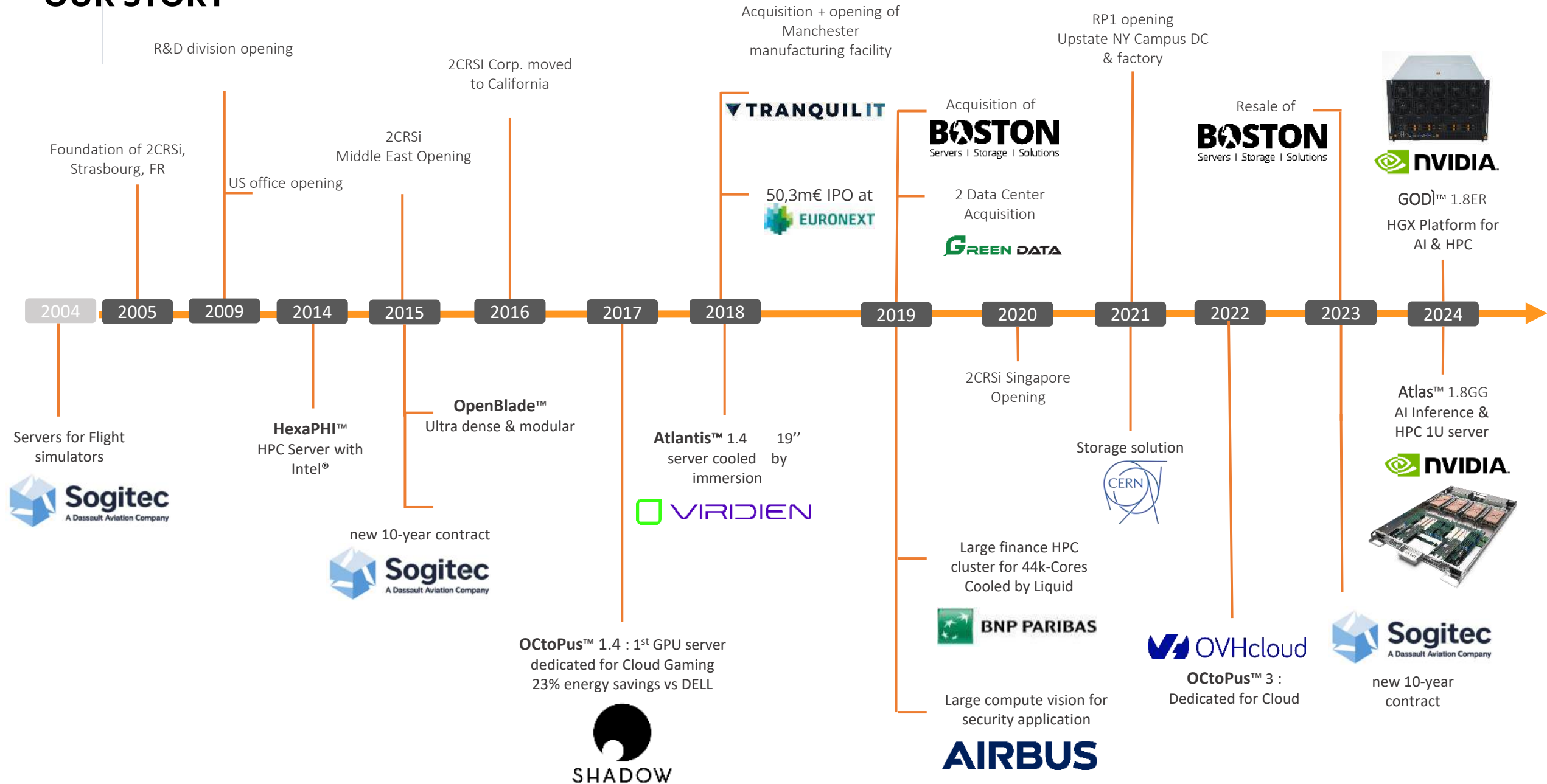


# Corporate Presentation



February 2025

# OUR STORY



# Over 20 Years of Innovation in Military Aircraft Simulators



## Strategic Objectives and Capabilities

- Design and Implementation:** Delegate the complete design, construction, testing, and implementation of cutting-edge simulation IT infrastructures. Our approach ensures a seamless transition from concept to real-world application.
- Industrialization:** Strategically industrialize the mass production of simulators to enhance productivity and significantly reduce manufacturing costs. This initiative is designed to optimize our production lines for scale and efficiency.
- Longevity and Maintenance:** Guarantee that simulators remain in operational condition for a minimum of 25 years. Our robust maintenance programs are designed to extend the lifespan and reliability of our products.
- Certifications and Support:** Provide comprehensive certifications, service, and support for our solutions for an initial term of 5 years, with the option for renewal. This global service ensures consistent performance and client satisfaction across all regions.
- Manufacturing Excellence:** Maintain a manufacturing environment with staff certified to meet defense-grade and classified build specifications. Our commitment to high standards in production safeguards the integrity and security of every simulator we build.

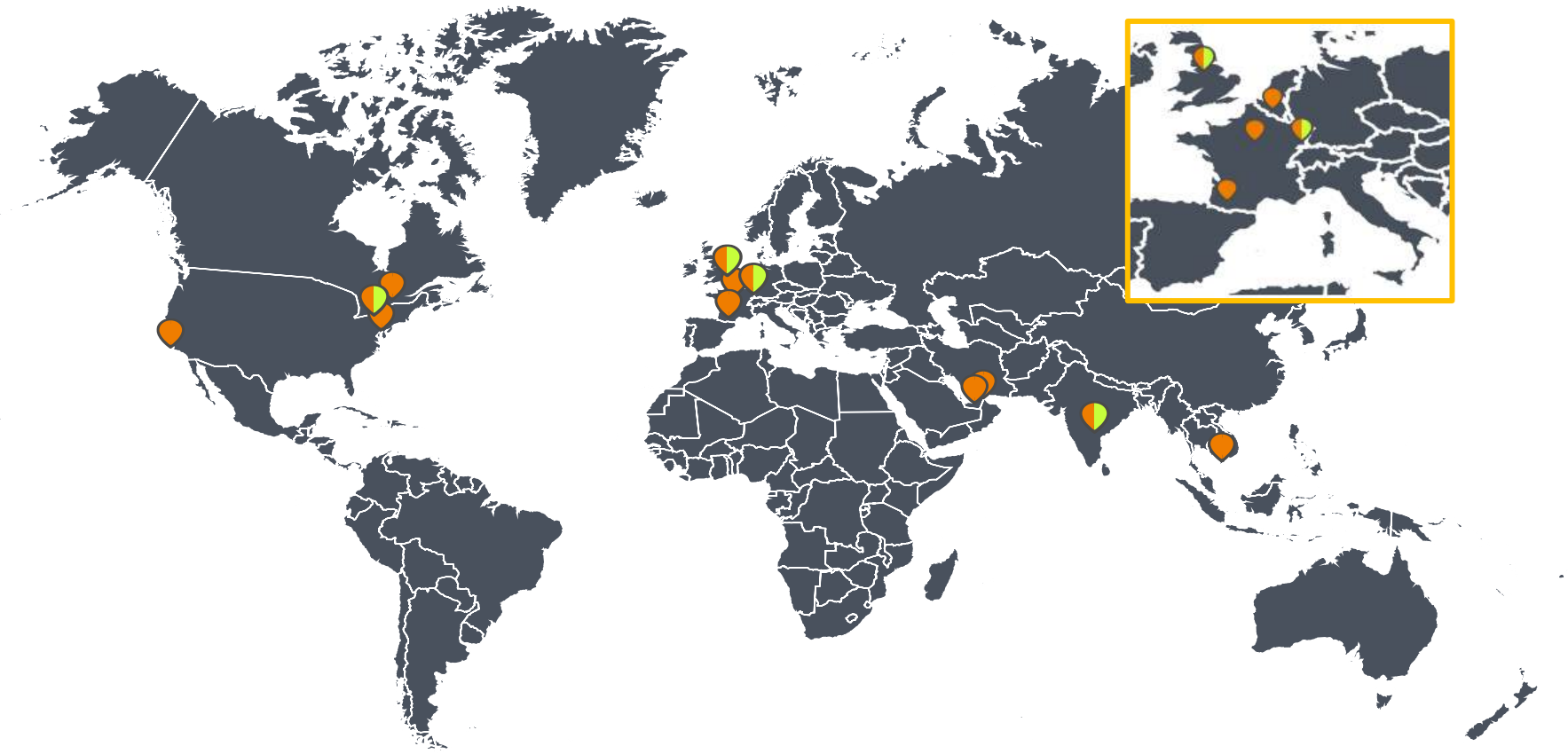
2CRSi has been at the forefront of **designing** and continuously **improving** complete rack **solutions** for Sogitec Aircraft simulators for over two decades. Our commitment to **excellence** is evident as we ensure that 100% of the design and manufacturing processes are carried out by certified professionals within a secure, access-controlled environment. This guarantees the utmost security and confidentiality for all systems we develop and ship.

We maintain a rigorously **managed supply chain** and secured inventory to **support long-term** maintenance and functionality of our products. Moreover, **2CRSi** is dedicated to sustaining peak system **performance** and reliability through regular **maintenance**, comprehensive team **training**, and ongoing **innovation**.

Our global operations ensure that these high standards are consistently met and maintained, making **2CRSi** a trusted partner in delivering dependable **server solutions worldwide**.



# A GLOBAL GROUP with local teams



**\$190M** revenues  
2023/2024



**3+1** production facilities

**2** R&D center **14** Offices

**2+3** datacenters

**Production Facilities**

**EUROPE**

Strasbourg, France  
Manchester, UK

**AMERICA**

Rouses Point, NY

**APAC**

Chennai  
*(upcoming)*

**Offices**

**EUROPE**

Nanterre-Paris, France  
Strasbourg, France  
Toulouse, France  
Brussels, Belgium  
Manchester, UK

**AMERICA**

Rouses Point, NY  
New York, NY  
Chateaugay, NY  
San Jose, CA  
Montréal, Canada

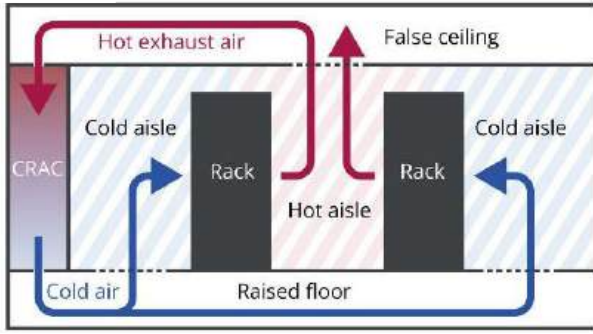
**MIDDLE EAST**

Dubai  
Abu Dhabi

**APAC**

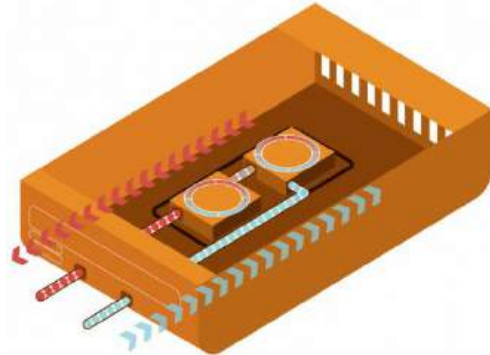
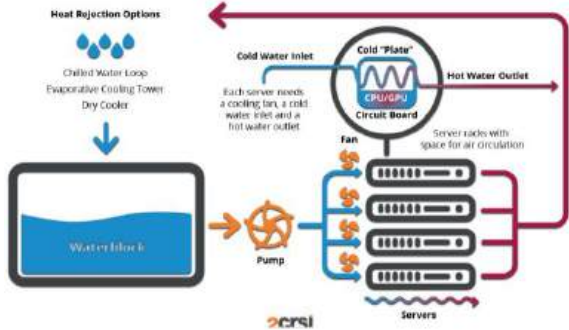
Singapore  
Chennai

# OUR EXPERTISE IN COOLING TECHNOLOGIES



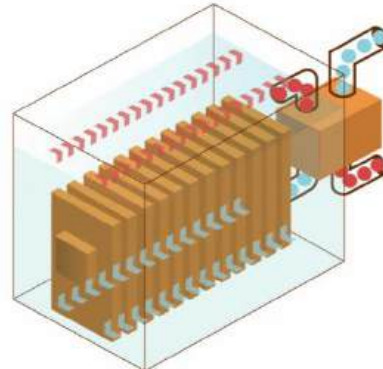
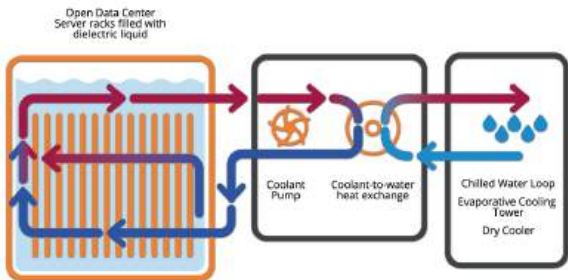
## AIR COOLING 19"/21"/OCP

From standards to **OCP systems, fan doors and cold doors**. 2CRSi group has mastered ways to cool properly challenging systems from on site deployment to data center and edge environment with innovative solutions.



## DIRECT ON CHIP COOLING SINGLE or DUAL PHASE

From standards to OCP systems, 2CRSi can develop, manufacture and deploy liquid solutions adapted to your needs and objectives. From **close water loops** to **dual phase racks** for up to **80kW rack HPC** solutions, 2CRSi has numerous designs to achieve your goals.



## IMMERSION COOLING SINGLE or DUAL PHASE

11-year experience in manufacturing **Immersion designed** (not air adapted) servers for up to **28 different tanks, 35 different pump flows** and **40 different coolants**.

2CRSi is proud to be the most world experienced manufacturer in immersion cooling, **single or dual phase** for up to **55 224 compute cores in a single tank**.

# TRUSTED BY GREAT CUSTOMERS

## CLOUD SERVICES PROVIDERS



## AI & HPC SOFTWARE EDITORS



## SCIENCE & EDUCATION



## MANUFACTURING INDUSTRIES



## DEFENCE GOVERNMENT



## MEDIA & ENTERTAINMENT



# WITH ENERGY EFFICIENT SERVER & DATA CENTER DESIGN MADE IN AMERICA



**2CRSi** is a **publicly listed** company at **Euronext Growth** providing Infrastructure Products and Services. The company designs and manufactures servers and data centers optimized for Compute & Decentralized Storage & Low latency infrastructure.

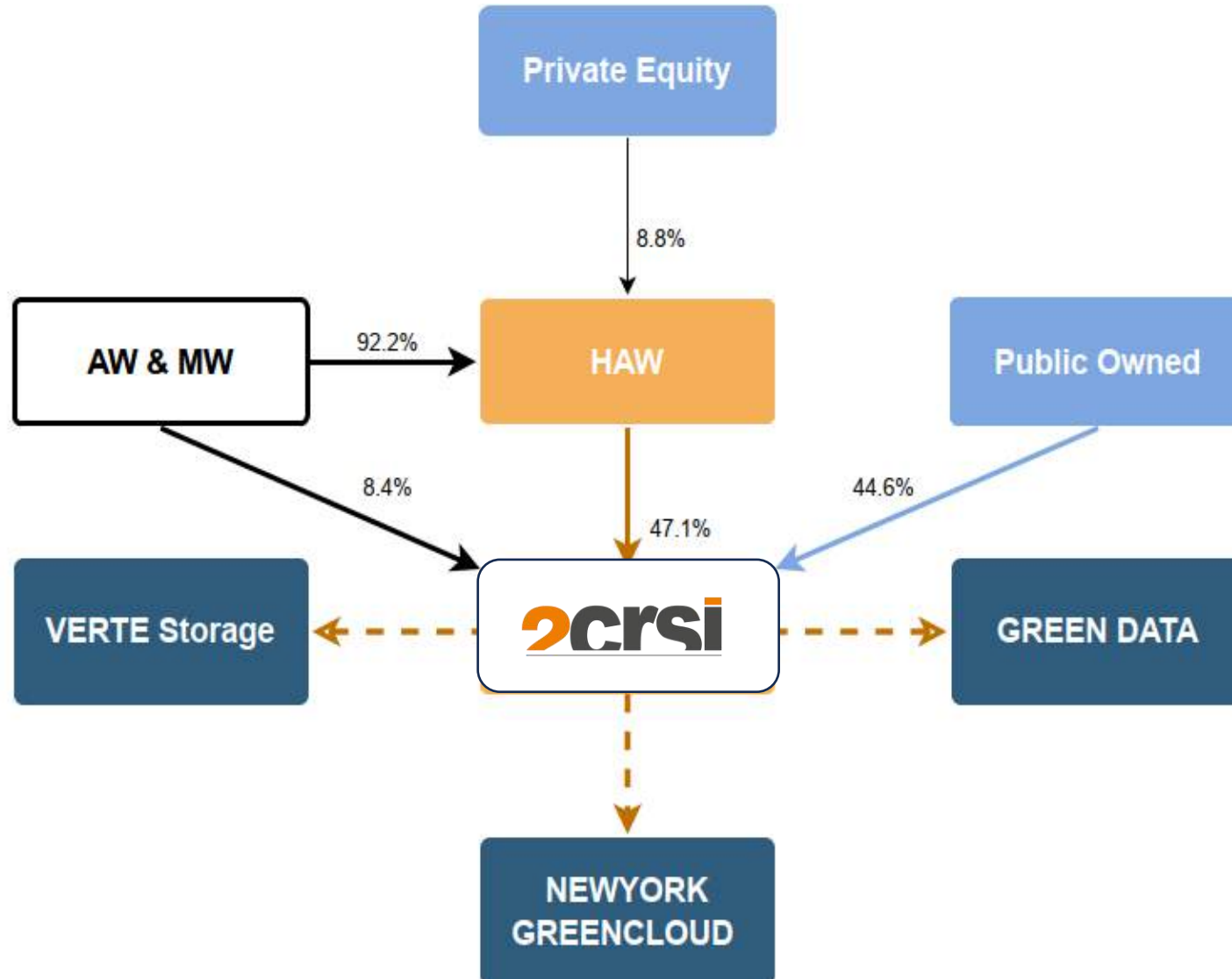


**EURONEXT TICKER - AL2SI**



- 20 years HPC and AI server manufacturer.
- 15 years experience in liquid & energy efficient server systems  
Direct to Chip & Immersion server solutions
- Leader in Immersion servers since 2016
- Manufacturing capabilities in Europe, USA and India
- 5 years operation of a 10MW Data Center in Paris (NA1-Nanterre)

# 2CRSi PARTNERSHIP - A FAMILY OWNED GROUP WITH 20 YEARS EXPERIENCE



# NA0 – NANTERRE (Paris), FRANCE

## Direct to Chip offering

### Dedicated room for Direct to Chip

With 47,000 cores running in Direct to Chip, NA0 can provide, deploy and monitor entire racks of liquid cooled systems in a dedicated room. As of September 2024 47,000, cores dispatched among 10 racks are already in production, scalable to the entire room for 1.5MW of power.

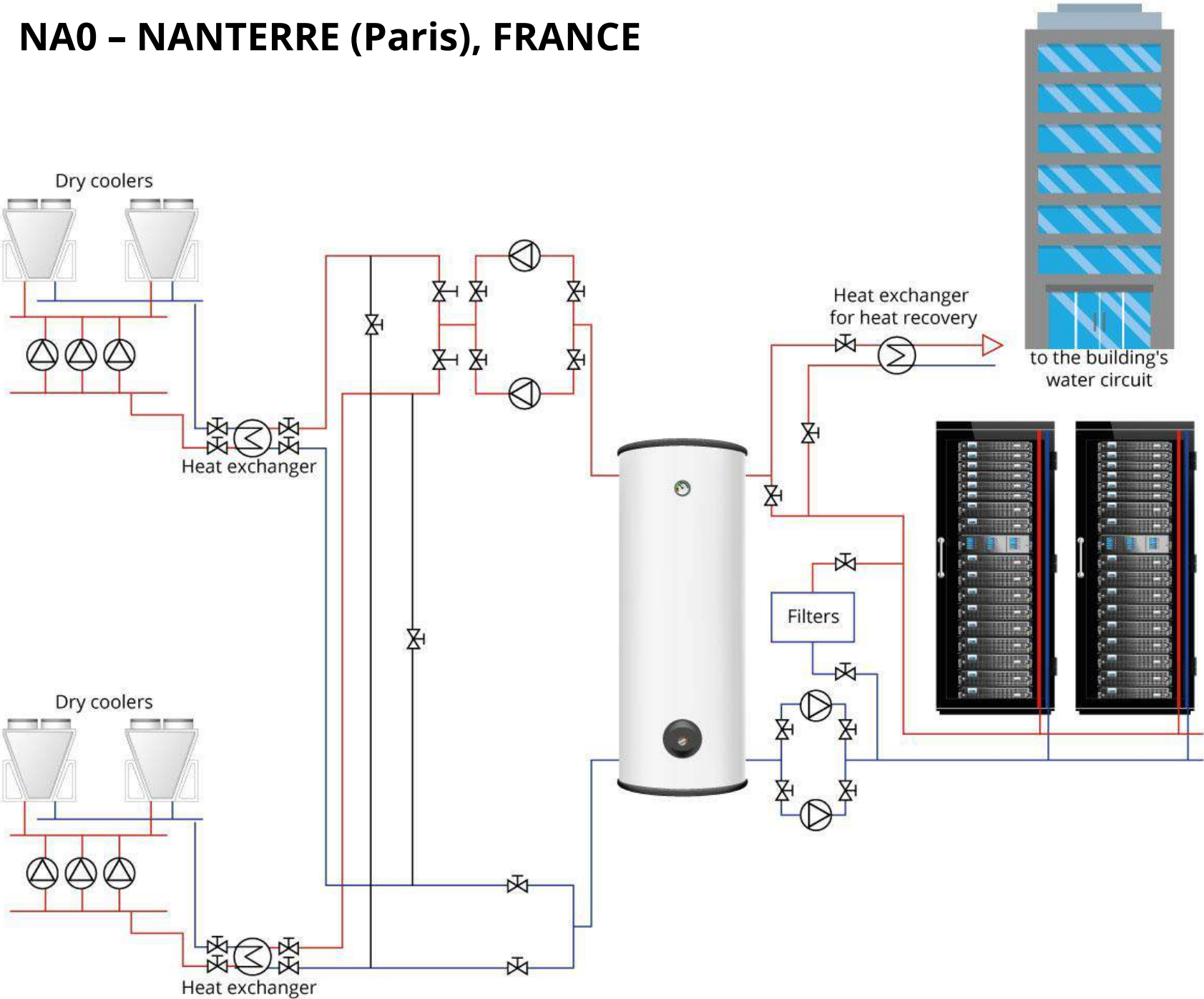
### In-Rack or In-Row liquid solution

With up to 80kW racks, NA0 can offers two kind of deployments in liquid cooling, by rack with "In rack CDU" or by Cluster with "In Row CDU".

Losses	PUE winter	PUE summer
Inverters	0,015	0,015
DLC infrastructure	0,050	0,050
Primary pumps and dry coolers	0,030	0,060
Ambient air cooling	0,020	0,050
Total	<b>0,120</b>	<b>0,180</b>
<b>PUE</b>	<b>1,120</b>	<b>1,180</b>



# NAO - NANTERRE (Paris), FRANCE



- Room DC2 - DLC: 1500 kW in 2N redundancy
- Triple corrugated power supply
- Non-drip connectors
- Anti-leakage socks
- Leak detection system at server level

# NA0 – NANTERRE (Paris), FRANCE

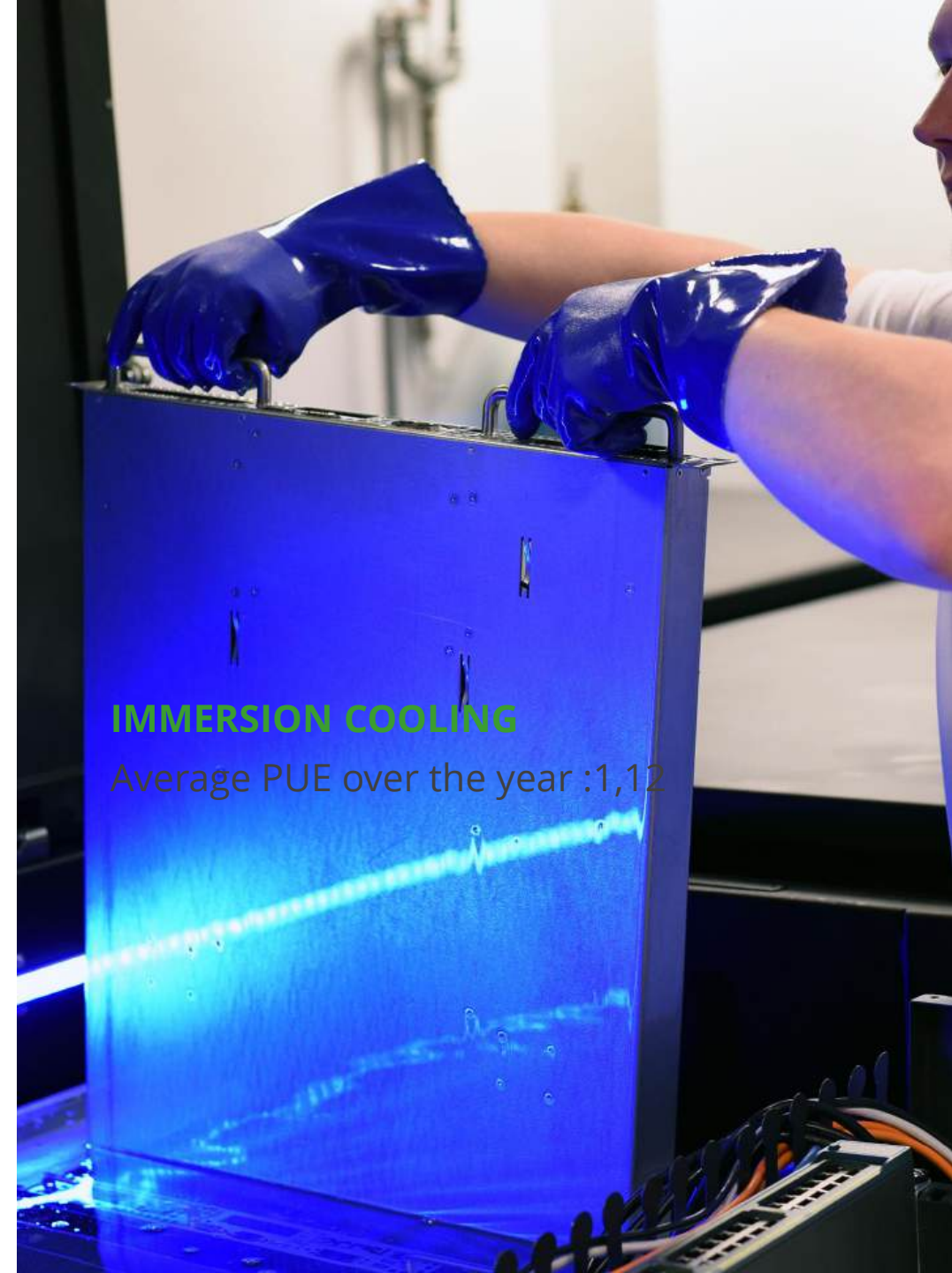
## Immersion offering

### Dedicated room for Immersion cooling

With 41U tanks of 50kW each, NA0 is ready to host, from a single U to a complete tank, immersion cooling systems to take advantage of the lowest PUE on the market.



Losses	PUE winter	PUE summer
Inverters	0,015	0,015
immersion infrastructure	0,050	0,050
Primary pumps and dry coolers	0,030	0,060
Ambient air cooling	0,005	0,010
Total	<b>0,105</b>	<b>0,140</b>
<b>PUE</b>	<b>1,105</b>	<b>1,140</b>



**IMMERSION COOLING**

Average PUE over the year :1,12



## Capitole Building in Nanterre

Heating the entire 700,000 ft<sup>2</sup> building including offices, conference rooms, restaurants and shared area.

Sports hall with swimming pool of 7420 ft<sup>3</sup> and showers.



# RP1 – ROUSES POINT – NY - USA

## Our location

- ❖ 125 000 ft<sup>2</sup> available
- ❖ 3MW of sustainable energy upgradable to 17MW
- ❖ Multiple Data Center Rooms equipped for collocation, private Cloud and Bare Metal Hosting
- ❖ Multiple 10GB Network Connection upgradable on demand
- ❖ 4300 ft<sup>2</sup> of operational warehouse for On site Spares and Backup units
- ❖ 2x Redundant logistic docks with landing docks
- ❖ Secure location with staff and invitee badge access



# RP1 – ROUSES POINT – NY - USA

## TODAY

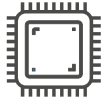
- 12x Immersion tanks for up to 600 submerged nodes with average PUE of 1.03\*  
Redundant 32A 3-phase 450V – Up to 40kW of cooling + OCP ready
- 4x Air cooled rack for up to 1200 nodes with PUE of average 1.12  
Redundant 30A 3-phase 450V – Up to 20kW of cooling + OCP ready
- This is the largest Submer tank deployment in North America

## Q2 2025

- 3.2MW electricity for redundant power
- 6x Additional Immersion tanks,
- 48x additional Air-Cooled Racks



# RP1 – ROUSES POINT – NY - USA



Up to **53 760 CPU Cores**

**intel** **AMD**



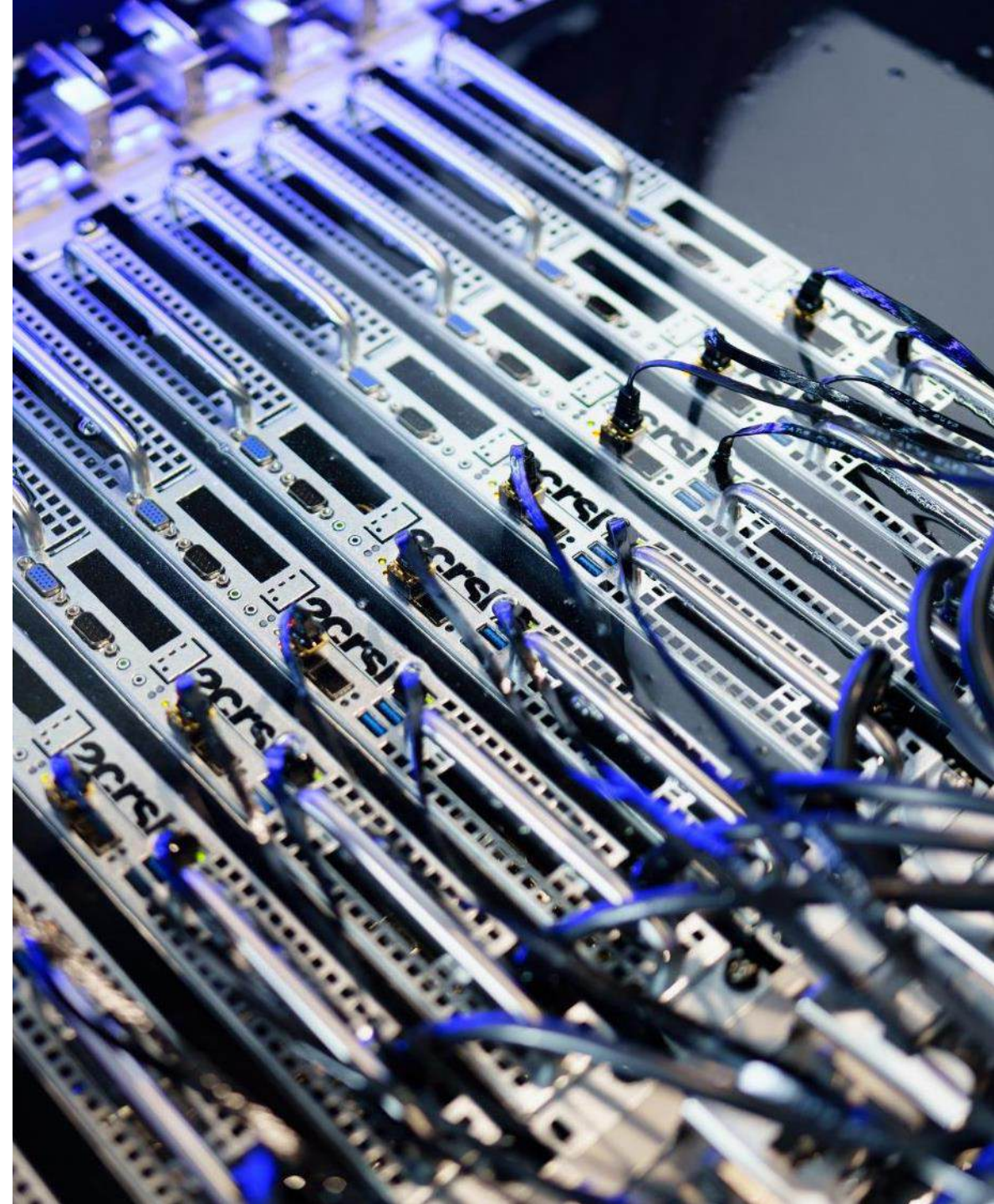
Up to **2540 GPUs**

**nvidia** **AMD**



Large **storage On Demand** for  
**cost effective** Media Transfers  
and storage

**In a Single location with the lowest  
PUE in North America**





**Global AI Infrastructure with a  
Carbon-Negative Footprint**





# POWERING COMPUTE by carbon-negative ELECTRICITY

## Behind Every Power Source...

- 40 MW Biomass-Based Primary Energy Source
- 80 MWh/40MW Battery Energy Storage System
- Connection to CAISO Grid (*for backup supply and excess energy sales*)

## ...Stands a Diverse Revenue Ecosystem

- 💡 Energy Sales to the Data Center
- ⚡ Export of Excess Power to the Grid
- 🌱 Biomass By-Products : Biochar & Horticultural Soil
- 🌍 Carbon Offset Instruments:
  - CO<sub>2</sub> Removal Certificates (CORC)
  - Renewable Energy Certificates (RECs)
- 💻 Data Center Monetization:
  - Hosting & Computing Power Sales
  - Infrastructure as a Service (IaaS)
  - Cloud-Based Services
- 🔥 Waste Heat Valorization:
  - Sold to local activities (e.g., greenhouses)



C&D Wood



Backup Generator



CAISO Grid

Local Grid



Biochar



Biomass plant



Soil



CORC



Datacenter



BESS



# Carbon-negative ELECTRICITY ???

## How is Carbon-Negative Electricity Produced?

✓ **Through Biomass Pyrolysis** Biomass is heated without oxygen, generating:

- ⚡ **Energy** (syngas and bio-oil)
- ● **Biochar**, a carbon-rich solid

✓ **Permanent Carbon Storage**

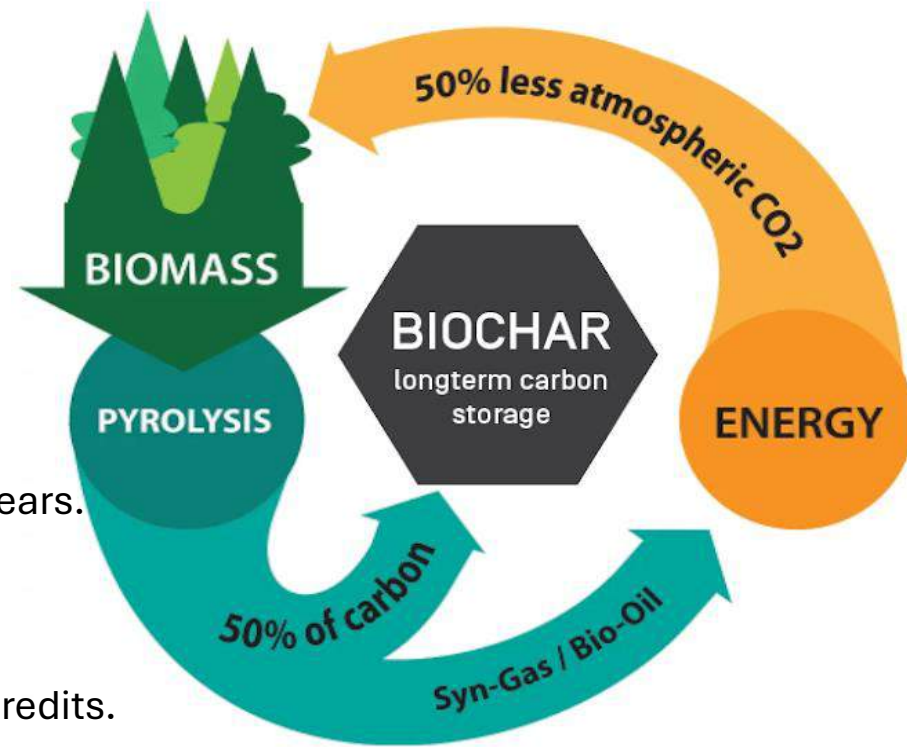
Biochar retains ~50% of the carbon from biomass and locks it in soil for hundreds of years.

✓ **Net-Negative Carbon Cycle** More CO<sub>2</sub> is **removed** than emitted:

**Energy production + carbon sequestration = carbon-negative electricity**

✓ **Verified Carbon Credits**

Enables issuance of **CORCs (Carbon Removal Certificates)** and other monetizable credits.



## Why Carbon-Negative Electricity ?

✓ **Tackles Climate Change**

Goes beyond net-zero by actively **removing CO<sub>2</sub>** from the atmosphere.

✓ **Monetizable Carbon Credits**

Generates **CORCs** (Carbon Removal Certificates) and **RECs**, opening new **revenue streams**.

✓ **Investor-Grade Sustainability**

Meets ESG goals and attracts **climate-conscious capital**.

✓ **Competitive Advantage**

Positions the project as a **pioneer** in the transition to truly clean, future-proof energy.

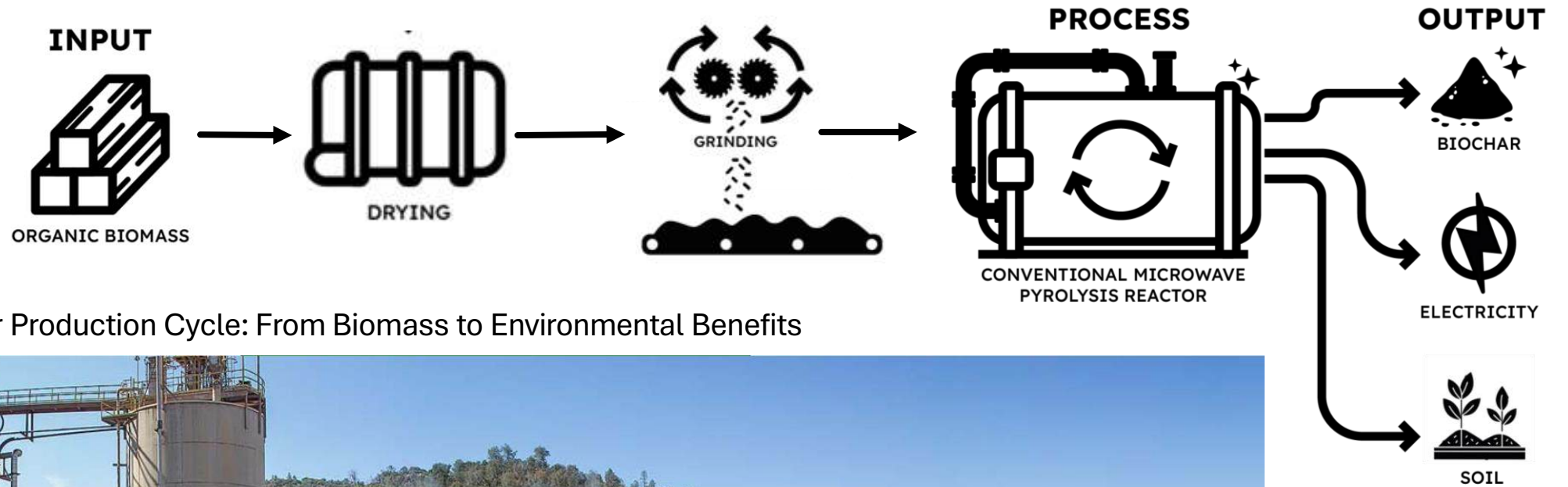
✓ **Dual Value Creation**

Delivers **dispatchable renewable power + carbon sequestration**, in one integrated solution.





# Biomass Plant: Producing Carbon-Negative Electricity



The Biochar Production Cycle: From Biomass to Environmental Benefits



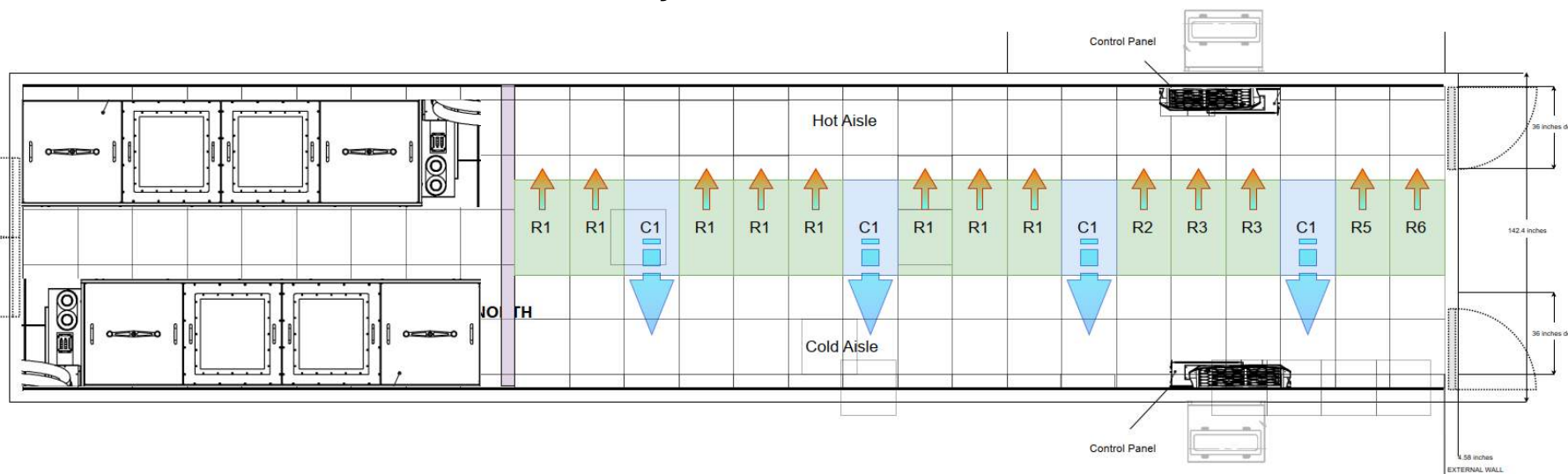
Picture of the Buena Vista, CA, biomass power plant



# AI Factory: Powering the Data Center of Tomorrow

## Building 10MW Mission-Critical Data Centers: Unmatched Efficiency & Sustainability

- **50% CapEx Savings:** By integrating **redundancy** directly with power generation facilities, we dramatically **cut** infrastructure **costs**, optimizing investment **efficiency**.
- **70% OpEx Savings:** Our adoption of advanced **liquid cooling** technologies, including Direct Liquid Cooling and Immersion, significantly **reduces** both **energy** consumption and operational **expenses**.
- **Optimized for AI & HPC:** Specifically designed to support AI & HPC as a Service, Agent as a Service, and Process as a Service, our data centers ensure **high-performance** computing **scalability**.
- **Carbon-Negative Footprint:** Our next-generation data centers go beyond **minimizing** environmental **impact**; they actively **remove carbon** from the atmosphere, pioneering a new standard in data center sustainability.





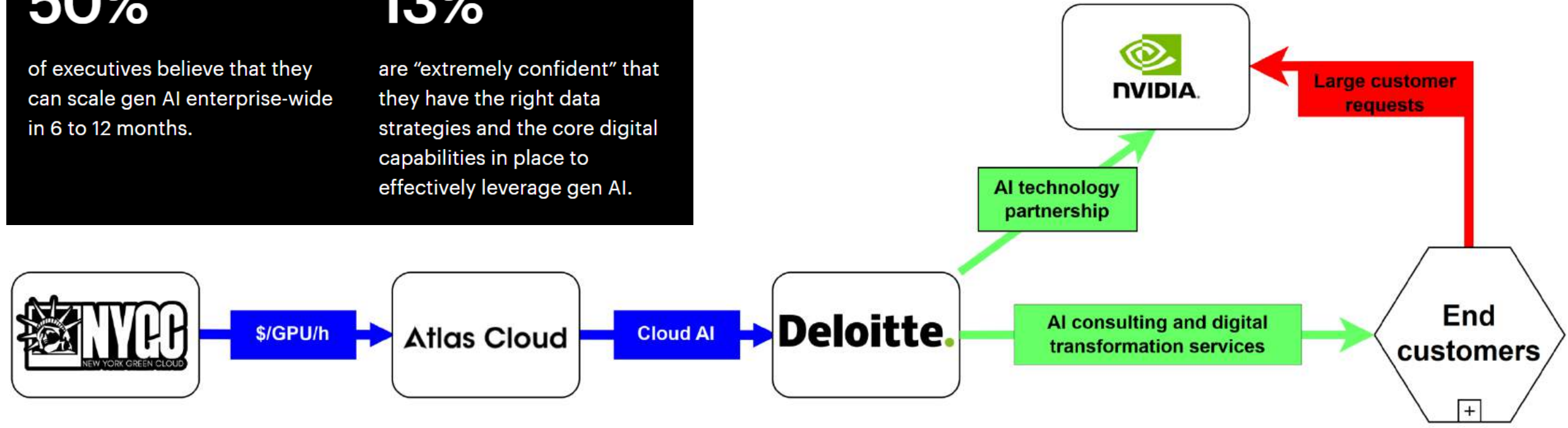
# Helping Industry Leaders Turn AI Disruption into Growth

## 50%

of executives believe that they can scale gen AI enterprise-wide in 6 to 12 months.

## 13%

are “extremely confident” that they have the right data strategies and the core digital capabilities in place to effectively leverage gen AI.

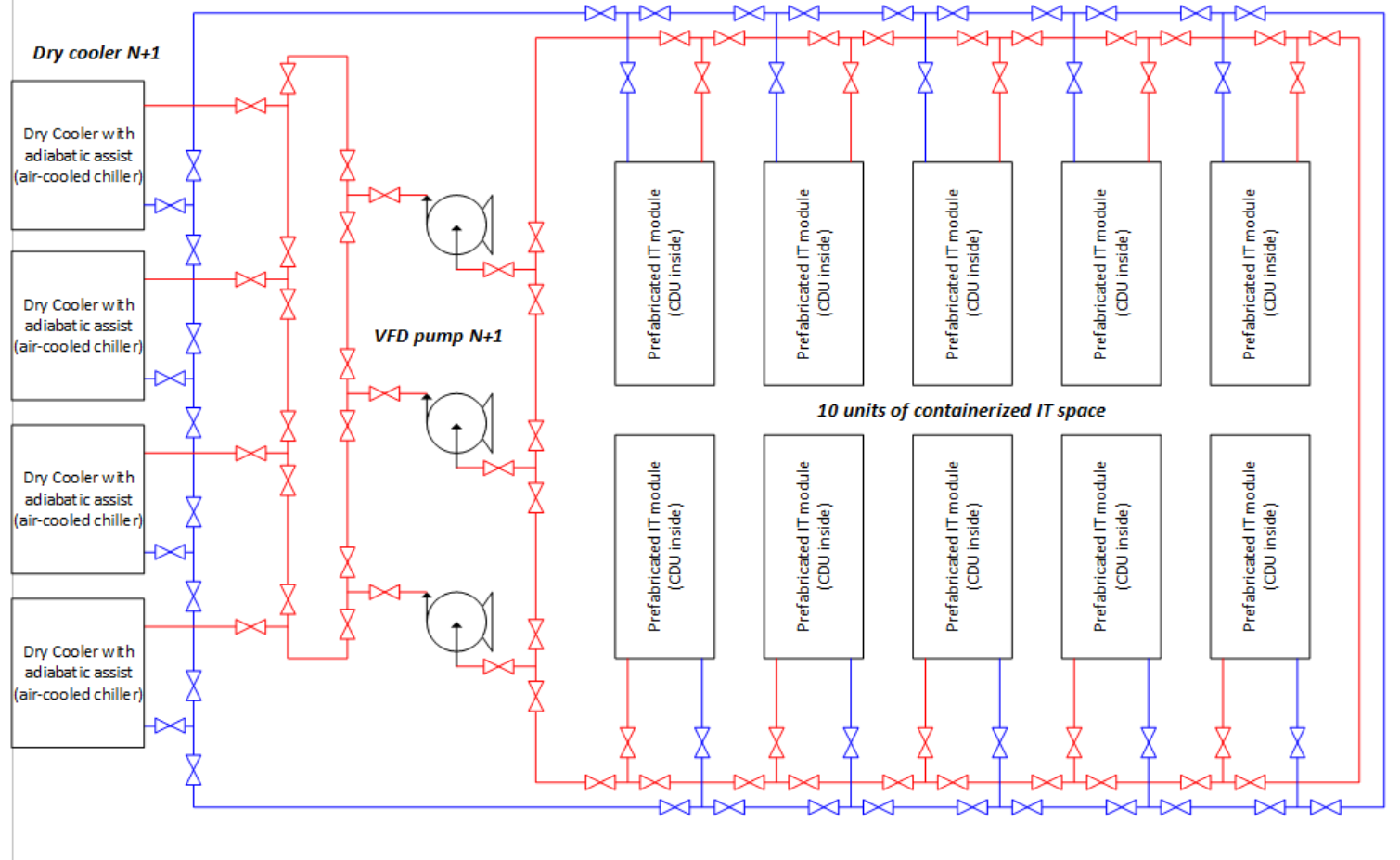


In a context where only 13% of executives feel “extremely confident” in their AI capabilities, large enterprises are urgently seeking solutions to adapt their business models and scale GenAI initiatives. Our infrastructure and strategic alliances bridge the gap between raw compute and enterprise transformation. From negative-carbon, cost-effective GPU power (NYCG) to AI cloud deployment (Atlas Cloud), and end-to-end business transformation (Deloitte), we form an integrated AI value chain — trusted by industry leaders and backed by NVIDIA technology. Together, we help enterprises not only resist AI disruption but lead with it.



# HIGH AVAILABILITY AND EFFICIENT COOLING SYSTEM

## 10 MW Modular Datacenter TIER III– Mechanical Piping Overview



- Fully **redundant** piping, pumps and dry-coolers
- Very **low OPEX**: 1 kWh power for 40 kW of cooling
- Design for **Liquid cooled DC** to lower the **PUE under 1.1**





## **BUSINESS MODEL**



# Biomass power plant business model

# Buena Vista, CA

Capacity factor = 92.00%		Actualization Rate = 3%		starting 11'25		upgrade 06'27				
Item	Capacity	Total per year	Rate	2025	2026	2027	2028	2029	2030	2031
Power	39,900 kW	321,562 MWh	\$ 155.00 /MWh	\$ 3,372,775	\$ 20,843,751	\$ 37,506,509	\$ 49,842,122	\$ 49,842,122	\$ 49,842,122	\$ 49,842,122
Biochar	6.00 ton/h	54,400 ton	\$ 250.00 /ton			\$ 7,933,275	\$ 13,599,900	\$ 13,599,900	\$ 13,599,900	\$ 13,599,900
Horticultural Soil	116.41 ton/day	39,089 ton	\$ 90.00 /ton	\$ 256,266	\$ 1,537,594	\$ 2,692,856	\$ 3,518,044	\$ 3,518,044	\$ 3,518,044	\$ 3,518,044
CORC Biochar	15.19 tonne/h	122,389 tonne	\$ 167.82 /tonne			\$ 11,981,263	\$ 20,539,308	\$ 20,539,308	\$ 20,539,308	\$ 20,539,308
<b>Total Revenues</b>				<b>\$ 3,629,041</b>	<b>\$ 22,381,345</b>	<b>\$ 60,113,904</b>	<b>\$ 87,499,374</b>	<b>\$ 87,499,374</b>	<b>\$ 87,499,374</b>	<b>\$ 87,499,374</b>
Wood fiber *	80,838 lb/h	358,319 ton	\$ 21.00 /ton	\$ (548,124)	\$ (3,288,742)	\$ (5,759,721)	\$ (7,524,705)	\$ (7,524,705)	\$ (7,524,705)	\$ (7,524,705)
<b>Total costs</b>				<b>\$ (1,480,440)</b>	<b>\$ (8,882,638)</b>	<b>\$ (23,874,800)</b>	<b>\$ (34,583,487)</b>	<b>\$ (34,583,487)</b>	<b>\$ (34,583,487)</b>	<b>\$ (34,583,487)</b>
<b>EBITDA</b>				<b>\$ 1,600,477</b>	<b>\$ 10,209,964</b>	<b>\$ 30,479,383</b>	<b>\$ 45,391,182</b>	<b>\$ 45,391,182</b>	<b>\$ 45,391,182</b>	<b>\$ 45,391,182</b>
<b>Amortization</b>				<b>\$ (77,778)</b>	<b>\$ (466,667)</b>	<b>\$ (6,286,885)</b>	<b>\$ (10,444,184)</b>	<b>\$ (10,444,184)</b>	<b>\$ (10,444,184)</b>	<b>\$ (10,444,184)</b>
<b>EBIT</b>				<b>\$ 1,522,700</b>	<b>\$ 9,743,297</b>	<b>\$ 24,192,498</b>	<b>\$ 34,946,998</b>	<b>\$ 34,946,998</b>	<b>\$ 34,946,998</b>	<b>\$ 34,946,998</b>
<b>Loan interest</b>				<b>\$ (652,336)</b>	<b>\$ (5,145,064)</b>	<b>\$ (6,105,022)</b>	<b>\$ (4,355,325)</b>	<b>\$ (5,740,756)</b>	<b>\$ (5,476,138)</b>	<b>\$ (5,211,083)</b>
<b>EBT</b>				<b>\$ 870,364</b>	<b>\$ 4,598,234</b>	<b>\$ 18,087,476</b>	<b>\$ 30,591,673</b>	<b>\$ 29,206,241</b>	<b>\$ 29,470,860</b>	<b>\$ 29,735,915</b>

Equity Stack	
Shareholders funds	\$ 2,500,000
EB5 loan for 24 months	\$ 18,500,000
ITC Bridge Loan	\$ 56,163,188
<b>Total</b>	<b>\$ 77,163,188</b>

CAPEX funding	DCR = 49.25%
Total CapX	\$ -156,662,762
Equity Stack	\$ 77,163,188
Operating Income until 06'27	\$ 16,064,593
Debt (10 years)	\$ 75,000,000



# P&L from 2025 until 2031

# Buena Vista, CA



Catégorie	2025	2026	2027	2028	2029	2030	2031
Power	\$ 3,372,775	\$ 20,843,751	\$ 37,506,509	\$ 49,842,122	\$ 49,842,122	\$ 49,842,122	\$ 49,842,122
Biochar	\$ -	\$ -	\$ 7,933,275	\$ 13,599,900	\$ 13,599,900	\$ 13,599,900	\$ 13,599,900
Horticulture/sol	\$ 256,266	\$ 1,537,594	\$ 2,692,856	\$ 3,518,044	\$ 3,518,044	\$ 3,518,044	\$ 3,518,044
CORC Biochar	\$ -	\$ -	\$ 11,981,263	\$ 20,539,308	\$ 20,539,308	\$ 20,539,308	\$ 20,539,308
<b>Total Revenus</b>	<b>\$ 3,629,041</b>	<b>\$ 22,381,345</b>	<b>\$ 60,113,904</b>	<b>\$ 87,499,374</b>	<b>\$ 87,499,374</b>	<b>\$ 87,499,374</b>	<b>\$ 87,499,374</b>
COGS	\$ (548,124)	\$ (3,288,742)	\$ (5,759,721)	\$ (7,524,705)	\$ (7,524,705)	\$ (7,524,705)	\$ (7,524,705)
<b>Margin</b>	<b>\$ 3,080,917</b>	<b>\$ 19,092,602</b>	<b>\$ 54,354,183</b>	<b>\$ 79,974,669</b>	<b>\$ 79,974,669</b>	<b>\$ 79,974,669</b>	<b>\$ 79,974,669</b>
Staffing Plan	\$ (767,957)	\$ (4,607,741)	\$ (5,562,511)	\$ (6,244,490)	\$ (6,244,490)	\$ (6,244,490)	\$ (6,244,490)
Rolling Stock Lease	\$ (23,400)	\$ (140,400)	\$ (214,957)	\$ (268,212)	\$ (268,212)	\$ (268,212)	\$ (268,212)
Taxes	\$ (25,000)	\$ (150,000)	\$ (354,167)	\$ (500,000)	\$ (500,000)	\$ (500,000)	\$ (500,000)
Staff Support	\$ (11,791)	\$ (70,744)	\$ (76,750)	\$ (81,040)	\$ (81,040)	\$ (81,040)	\$ (81,040)
Insurance	\$ (83,333)	\$ (500,000)	\$ (1,083,333)	\$ (1,500,000)	\$ (1,500,000)	\$ (1,500,000)	\$ (1,500,000)
Spare Parts (2%)	\$ (23,333)	\$ (140,000)	\$ (1,781,301)	\$ (2,953,659)	\$ (2,953,659)	\$ (2,953,659)	\$ (2,953,659)
Consumables (2%)	\$ (23,333)	\$ (140,000)	\$ (1,781,301)	\$ (2,953,659)	\$ (2,953,659)	\$ (2,953,659)	\$ (2,953,659)
Tools & Equipment rental (2%)	\$ (23,333)	\$ (140,000)	\$ (1,781,301)	\$ (2,953,659)	\$ (2,953,659)	\$ (2,953,659)	\$ (2,953,659)
Sub Contract services (2%)	\$ (35,000)	\$ (210,000)	\$ (2,671,952)	\$ (4,430,489)	\$ (4,430,489)	\$ (4,430,489)	\$ (4,430,489)
Bags	\$ (28,474)	\$ (170,844)	\$ (299,206)	\$ (390,894)	\$ (390,894)	\$ (390,894)	\$ (390,894)
Sales Commissions CORC			\$ (1,198,126)	\$ (2,053,931)	\$ (2,053,931)	\$ (2,053,931)	\$ (2,053,931)
Managment Fees	\$ (435,485)	\$ (2,685,761)	\$ (7,069,893)	\$ (10,253,453)	\$ (10,253,453)	\$ (10,253,453)	\$ (10,253,453)
<b>EBITDA</b>	<b>\$ 1,600,477</b>	<b>\$ 10,137,112</b>	<b>\$ 30,479,383</b>	<b>\$ 45,391,182</b>	<b>\$ 45,391,182</b>	<b>\$ 45,391,182</b>	<b>\$ 45,391,182</b>
Amortization 15years	\$ (77,778)	\$ (466,667)	\$ (6,286,885)	\$ (10,444,184)	\$ (10,444,184)	\$ (10,444,184)	\$ (10,444,184)
<b>EBIT</b>	<b>\$ 1,522,700</b>	<b>\$ 9,670,445</b>	<b>\$ 24,192,498</b>	<b>\$ 34,946,998</b>	<b>\$ 34,946,998</b>	<b>\$ 34,946,998</b>	<b>\$ 34,946,998</b>
Total Loan Interest	\$ (652,336)	\$ (5,145,064)	\$ (6,105,022)	\$ (4,355,325)	\$ (5,740,756)	\$ (5,476,138)	\$ (5,211,083)
<b>EBT</b>	<b>\$ 870,364</b>	<b>\$ 4,525,382</b>	<b>\$ 18,087,476</b>	<b>\$ 30,591,673</b>	<b>\$ 29,206,241</b>	<b>\$ 29,470,860</b>	<b>\$ 29,735,915</b>
FedTaxes (21%)	\$ (182,776)	\$ (950,330)	\$ (3,798,370)	\$ (6,424,251)	\$ (6,133,311)	\$ (6,188,881)	\$ (6,244,542)
CA Corp Tax (8.84%)	\$ (76,940)	\$ (400,044)	\$ (1,598,933)	\$ (2,704,304)	\$ (2,581,832)	\$ (2,605,224)	\$ (2,628,655)
<b>Net result</b>	<b>\$ 610,647</b>	<b>\$ 3,175,008</b>	<b>\$ 12,690,173</b>	<b>\$ 21,463,117</b>	<b>\$ 20,491,099</b>	<b>\$ 20,676,755</b>	<b>\$ 20,862,718</b>



# Cash flow projections for 2025

# Buena Vista, CA

	TOTAL until 06'31	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25
Plant Purchase	\$ (7,275,000)	\$ (20,000)		\$ (180,000)	\$ (1,000,000)					\$ (2,025,000)	
RAW Mobilization	\$ (1,500,000)			\$ (1,500,000)							
Plant Refurbishment	\$ (6,254,117)					\$ (1,250,823)	\$ (1,250,823)	\$ (1,250,823)	\$ (1,250,823)	\$ (1,250,823)	
Biochar upgrade	\$ (63,481,250)										\$ (3,526,736)
BESS	\$ (28,090,933)					\$ (2,140,262)	\$ (2,140,262)	\$ (2,140,262)	\$ (2,140,262)	\$ (2,140,262)	
DC	\$ (11,545,076)							\$ (2,309,015)			
Project Management BIOCHAR	\$ (3,925,518)										\$ (218,084)
Legal & Environmental	\$ (500,000)				\$ (250,000)	\$ (250,000)					
Development Cost BIOCHAR	\$ (7,351,037)	\$ (25,000)	\$ (100,000)	\$ (100,000)	\$ (46,918)	\$ (46,918)	\$ (319,645)	\$ (319,645)	\$ (319,645)	\$ (319,645)	\$ (319,645)
Project Management BESS&DC	\$ (1,981,800)					\$ (86,165)	\$ (86,165)	\$ (86,165)	\$ (86,165)	\$ (86,165)	\$ (86,165)
Development Cost BESS&DC	\$ (3,963,601)				\$ (165,150)	\$ (165,150)	\$ (165,150)	\$ (165,150)	\$ (165,150)	\$ (165,150)	\$ (165,150)
Risk & Contingency	\$ (11,814,638)										
Shareholders Funds	\$ 2,500,000	\$ 45,000	\$ 100,000	\$ 2,055,000	\$ 300,000						
Operating Income until 06'27	\$ 16,064,593									\$ 800,239	\$ 800,239
ITC Bridge Loan	\$ 56,163,188					\$ 7,020,399			\$ 7,020,399		
EB5 loan for 24 months	\$ 18,500,000				\$ 2,312,500	\$ 2,312,500	\$ 2,312,500	\$ 2,312,500	\$ 2,312,500	\$ 2,312,500	\$ 2,312,500
Debt (10 years)	\$ 75,000,000										
<b>Total</b>	<b>\$ 168,227,781</b>	<b>\$ 45,000</b>	<b>\$ 100,000</b>	<b>\$ 2,055,000</b>	<b>\$ 2,612,500</b>	<b>\$ 9,332,899</b>	<b>\$ 2,312,500</b>	<b>\$ 2,312,500</b>	<b>\$ 9,332,899</b>	<b>\$ 3,112,739</b>	<b>\$ 3,112,739</b>
Financing fees	\$ (8,979,791)					\$ (698,724)			\$ (837,474)		
EB5 reimbursment	\$ (18,500,000)										
Debt reimbursment	\$ (30,730,328)										
<b>Total Loan Reimbrusment</b>	<b>\$ (49,230,328)</b>										
ITC Bridge Loan interest at 10%	\$ (5,148,292)						\$ (58,503)	\$ (58,503)	\$ (58,503)	\$ (117,007)	\$ (117,007)
EB5 interest at 6%	\$ (4,058,438)					\$ (11,563)	\$ (23,125)	\$ (34,688)	\$ (46,250)	\$ (57,813)	\$ (69,375)
DEBT interest at 5%	\$ (14,214,934)										
<b>Total Loan Interest</b>	<b>\$ (23,421,664)</b>					<b>\$ (11,563)</b>	<b>\$ (81,628)</b>	<b>\$ (93,191)</b>	<b>\$ (104,753)</b>	<b>\$ (174,819)</b>	<b>\$ (186,382)</b>
Monthly Total cash variation		\$ -	\$ -	\$ 275,000	\$ 1,150,432	\$ 4,683,294	\$ (1,731,174)	\$ (4,051,752)	\$ 4,428,625	\$ (3,049,126)	\$ (1,389,424)
<b>Balance</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ 275,000</b>	<b>\$ 1,425,432</b>	<b>\$ 6,108,725</b>	<b>\$ 4,377,551</b>	<b>\$ 325,799</b>	<b>\$ 4,754,425</b>	<b>\$ 1,705,299</b>	<b>\$ 315,874</b>



# Cash flow projections for 2026

# Buena Vista, CA

	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26
Plant Purchase					\$ (2,025,000)						\$ (2,025,000)	
RAW Mobilization												
Plant Refurbishment												
Biochar upgrade	\$ (3,526,736)	\$ (3,526,736)	\$ (3,526,736)	\$ (3,526,736)	\$ (3,526,736)	\$ (3,526,736)	\$ (3,526,736)	\$ (3,526,736)	\$ (3,526,736)	\$ (3,526,736)	\$ (3,526,736)	\$ (3,526,736)
BESS					\$ (1,337,663)	\$ (1,337,663)	\$ (1,337,663)	\$ (1,337,663)	\$ (1,337,663)	\$ (1,337,663)	\$ (1,337,663)	\$ (1,337,663)
DC		\$ (2,309,015)					\$ (2,309,015)					\$ (2,309,015)
Project Management BIOCHAR	\$ (218,084)	\$ (218,084)	\$ (218,084)	\$ (218,084)	\$ (218,084)	\$ (218,084)	\$ (218,084)	\$ (218,084)	\$ (218,084)	\$ (218,084)	\$ (218,084)	\$ (218,084)
Legal & Environmental												
Development Cost BIOCHAR	\$ (319,645)	\$ (319,645)	\$ (319,645)	\$ (319,645)	\$ (319,645)	\$ (319,645)	\$ (319,645)	\$ (319,645)	\$ (319,645)	\$ (319,645)	\$ (319,645)	\$ (319,645)
Project Management BESS&DC	\$ (86,165)	\$ (86,165)	\$ (86,165)	\$ (86,165)	\$ (86,165)	\$ (86,165)	\$ (86,165)	\$ (86,165)	\$ (86,165)	\$ (86,165)	\$ (86,165)	\$ (86,165)
Development Cost BESS&DC	\$ (165,150)	\$ (165,150)	\$ (165,150)	\$ (165,150)	\$ (165,150)	\$ (165,150)	\$ (165,150)	\$ (165,150)	\$ (165,150)	\$ (165,150)	\$ (165,150)	\$ (165,150)
Risk & Contingency												
Shareholders Funds												
Operating Income until 06'27	\$ 850,830	\$ 850,830	\$ 850,830	\$ 850,830	\$ 850,830	\$ 850,830	\$ 850,830	\$ 850,830	\$ 850,830	\$ 850,830	\$ 850,830	\$ 850,830
ITC Bridge Loan	\$ 7,020,399			\$ 7,020,399			\$ 7,020,399			\$ 7,020,399		
EB5 loan for 24 months	\$ 2,312,500											
Debt (10 years)		\$ 12,500,000			\$ 12,500,000			\$ 12,500,000			\$ 12,500,000	
<b>Total</b>	<b>\$ 10,183,729</b>	<b>\$ 13,350,830</b>	<b>\$ 850,830</b>	<b>\$ 7,871,229</b>	<b>\$ 13,350,830</b>	<b>\$ 850,830</b>	<b>\$ 7,871,229</b>	<b>\$ 13,350,830</b>	<b>\$ 850,830</b>	<b>\$ 7,871,229</b>	<b>\$ 13,350,830</b>	<b>\$ 850,830</b>
Financing fees	\$ (837,474)			\$ (1,171,224)			\$ (1,171,224)			\$ (1,171,224)		
EB5 reimbursment												
Debt reimbursment			\$ (80,499)	\$ (80,834)	\$ (81,171)	\$ (162,008)	\$ (162,683)	\$ (163,360)	\$ (244,540)	\$ (245,559)	\$ (246,582)	\$ (328,108)
<b>Total Loan Reimbrusment</b>			\$ (80,499)	\$ (80,834)	\$ (81,171)	\$ (162,008)	\$ (162,683)	\$ (163,360)	\$ (244,540)	\$ (245,559)	\$ (246,582)	\$ (328,108)
ITC Bridge Loan interest at 10%	\$ (117,007)	\$ (175,510)	\$ (175,510)	\$ (175,510)	\$ (234,013)	\$ (234,013)	\$ (234,013)	\$ (292,517)	\$ (292,517)	\$ (292,517)	\$ (351,020)	\$ (351,020)
EB5 interest at 6%	\$ (80,938)	\$ (92,500)	\$ (92,500)	\$ (92,500)	\$ (92,500)	\$ (92,500)	\$ (92,500)	\$ (92,500)	\$ (92,500)	\$ (92,500)	\$ (92,500)	\$ (92,500)
DEBT interest at 5%			\$ (52,083)	\$ (51,748)	\$ (51,411)	\$ (103,156)	\$ (102,481)	\$ (101,803)	\$ (153,206)	\$ (152,187)	\$ (151,164)	\$ (202,220)
<b>Total Loan Interest</b>	<b>\$ (197,944)</b>	<b>\$ (268,010)</b>	<b>\$ (320,093)</b>	<b>\$ (319,758)</b>	<b>\$ (377,924)</b>	<b>\$ (429,670)</b>	<b>\$ (428,994)</b>	<b>\$ (486,820)</b>	<b>\$ (538,223)</b>	<b>\$ (537,204)</b>	<b>\$ (594,684)</b>	<b>\$ (645,740)</b>
Monthly Total cash variation	\$ 4,832,530	\$ 6,458,024	\$ (3,865,543)	\$ 1,983,632	\$ 5,213,290	\$ (5,394,291)	\$ (1,854,132)	\$ 7,047,205	\$ (5,585,377)	\$ 263,798	\$ 4,831,120	\$ (8,085,477)
<b>Balance</b>	<b>\$ 5,148,404</b>	<b>\$ 11,606,428</b>	<b>\$ 7,740,885</b>	<b>\$ 9,724,517</b>	<b>\$ 14,937,808</b>	<b>\$ 9,543,516</b>	<b>\$ 7,689,384</b>	<b>\$ 14,736,589</b>	<b>\$ 9,151,213</b>	<b>\$ 9,415,011</b>	<b>\$ 14,246,131</b>	<b>\$ 6,160,654</b>



## Cash flow projections for 2027

# Buena Vista, CA

	Jan-27	Feb-27	Mar-27	Apr-27	May-27	Jun-27	Jul-27	Aug-27	Sep-27	Oct-27	Nov-27	Dec-27
Plant Purchase												
RAW Mobilization												
Plant Refurbishment												
Biochar upgrade	\$ (3,526,736)	\$ (3,526,736)	\$ (3,526,736)	\$ (3,526,736)	\$ (3,526,736)							
BESS	\$ (1,337,663)	\$ (1,337,663)	\$ (1,337,663)	\$ (1,337,663)	\$ (1,337,663)							
DC					\$ (2,309,015)							
Project Management BIOCHAR	\$ (218,084)	\$ (218,084)	\$ (218,084)	\$ (218,084)	\$ (218,084)							
Legal & Environmental												
Development Cost BIOCHAR	\$ (319,645)	\$ (319,645)	\$ (319,645)	\$ (319,645)	\$ (319,645)							
Project Management BESS&DC	\$ (86,165)	\$ (86,165)	\$ (86,165)	\$ (86,165)	\$ (86,165)							
Development Cost BESS&DC	\$ (165,150)	\$ (165,150)	\$ (165,150)	\$ (165,150)	\$ (165,150)							
Risk & Contingency						\$ (11,814,638)						
Shareholders Funds												
Operating Income until 06'27	\$ 850,830	\$ 850,830	\$ 850,830	\$ 850,830	\$ 850,830	\$ 3,746,462	\$ 3,746,462	\$ 3,746,462	\$ 3,746,462	\$ 3,746,462	\$ 3,746,462	\$ 3,746,462
ITC Bridge Loan	\$ 7,020,399			\$ 7,020,399								
EB5 loan for 24 months												
Debt (10 years)		\$ 12,500,000			\$ 12,500,000							
<b>Total</b>	<b>\$ 7,871,229</b>	<b>\$ 13,350,830</b>	<b>\$ 850,830</b>	<b>\$ 7,871,229</b>	<b>\$ 13,350,830</b>	<b>\$ 3,746,462</b>	<b>\$ 3,746,462</b>	<b>\$ 3,746,462</b>	<b>\$ 3,746,462</b>	<b>\$ 3,746,462</b>	<b>\$ 3,746,462</b>	<b>\$ 3,746,462</b>
Financing fees	\$ (1,171,224)			\$ (1,171,224)			\$ (750,000)			\$ -		
EB5 reimbursement												
Debt reimbursement	\$ (329,475)	\$ (330,848)	\$ (412,725)	\$ (414,444)	\$ (416,171)	\$ (498,404)	\$ (500,481)	\$ (502,566)	\$ (504,660)	\$ (506,763)	\$ (508,874)	\$ (510,994)
<b>Total Loan Reimbursement</b>	<b>\$ (329,475)</b>	<b>\$ (330,848)</b>	<b>\$ (412,725)</b>	<b>\$ (414,444)</b>	<b>\$ (416,171)</b>	<b>\$ (498,404)</b>	<b>\$ (500,481)</b>	<b>\$ (502,566)</b>	<b>\$ (504,660)</b>	<b>\$ (506,763)</b>	<b>\$ (508,874)</b>	<b>\$ (510,994)</b>
ITC Bridge Loan interest at 10%	\$ (234,013)	\$ (292,517)	\$ (292,517)	\$ (292,517)	\$ (351,020)	\$ (351,020)						
EB5 interest at 6%	\$ (92,500)	\$ (92,500)	\$ (92,500)	\$ (92,500)	\$ (92,500)	\$ (92,500)	\$ (92,500)	\$ (92,500)	\$ (92,500)	\$ (92,500)	\$ (92,500)	\$ (92,500)
DEBT interest at 5%	\$ (200,853)	\$ (199,480)	\$ (250,185)	\$ (248,465)	\$ (246,738)	\$ (297,087)	\$ (295,011)	\$ (292,925)	\$ (290,831)	\$ (288,729)	\$ (286,617)	\$ (284,497)
<b>Total Loan Interest</b>	<b>\$ (527,366)</b>	<b>\$ (584,497)</b>	<b>\$ (635,201)</b>	<b>\$ (633,482)</b>	<b>\$ (690,258)</b>	<b>\$ (740,607)</b>	<b>\$ (387,511)</b>	<b>\$ (385,425)</b>	<b>\$ (383,331)</b>	<b>\$ (381,229)</b>	<b>\$ (379,117)</b>	<b>\$ (376,997)</b>
Monthly Total cash variation	\$ 189,719	\$ 6,782,041	\$ (5,850,540)	\$ (1,366)	\$ 4,281,941	\$ (9,307,187)	\$ 2,108,470	\$ 2,858,470	\$ 2,858,470	\$ 2,858,470	\$ 2,858,470	\$ 2,858,470
<b>Balance</b>	<b>\$ 6,350,373</b>	<b>\$ 13,132,415</b>	<b>\$ 7,281,874</b>	<b>\$ 7,280,508</b>	<b>\$ 11,562,449</b>	<b>\$ 2,255,262</b>	<b>\$ 4,363,732</b>	<b>\$ 7,222,203</b>	<b>\$ 10,080,673</b>	<b>\$ 12,939,143</b>	<b>\$ 15,797,613</b>	<b>\$ 18,656,084</b>



## Cash flow projections for 2028

# Buena Vista, CA

	Jan-28	Feb-28	Mar-28	Apr-28	May-28	Jun-28	Jul-28	Aug-28	Sep-28	Oct-28	Nov-28	Dec-28
Plant Purchase												
RAW Mobilization												
Plant Refurbishment												
Biochar upgrade												
BESS												
DC												
Project Management BIOCHAR												
Legal & Environmental												
Development Cost BIOCHAR												
Project Management BESS&DC												
Development Cost BESS&DC												
Risk & Contingency												
Shareholders Funds												
Operating Income <b>until 06'27</b>	\$ 3,782,598	\$ 3,782,598	\$ 3,782,598	\$ 3,782,598	\$ 3,782,598	\$ 3,782,598	\$ 3,782,598	\$ 3,782,598	\$ 3,782,598	\$ 3,782,598	\$ 3,782,598	\$ 3,782,598
ITC Bridge Loan												
EB5 loan for 24 months												
Debt (10 years)												
<b>Total</b>	<b>\$ 3,782,598</b>	<b>\$ 3,782,598</b>	<b>\$ 3,782,598</b>	<b>\$ 3,782,598</b>	<b>\$ 3,782,598</b>	<b>\$ 3,782,598</b>	<b>\$ 3,782,598</b>	<b>\$ 3,782,598</b>	<b>\$ 3,782,598</b>	<b>\$ 3,782,598</b>	<b>\$ 3,782,598</b>	<b>\$ 3,782,598</b>
Financing fees	\$ -			\$ -			\$ -			\$ -		
EB5 reimbursment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt reimbursment	\$ (513,124)	\$ (515,262)	\$ (517,409)	\$ (519,564)	\$ (521,729)	\$ (523,903)	\$ (526,086)	\$ (528,278)	\$ (530,479)	\$ (532,690)	\$ (534,909)	\$ (537,138)
<b>Total Loan Reimbrusment</b>	<b>\$ (513,124)</b>	<b>\$ (515,262)</b>	<b>\$ (517,409)</b>	<b>\$ (519,564)</b>	<b>\$ (521,729)</b>	<b>\$ (523,903)</b>	<b>\$ (526,086)</b>	<b>\$ (528,278)</b>	<b>\$ (530,479)</b>	<b>\$ (532,690)</b>	<b>\$ (534,909)</b>	<b>\$ (537,138)</b>
ITC Bridge Loan interest at 10%												
EB5 interest at 6%	\$ (92,500)	\$ (92,500)	\$ (92,500)	\$ (92,500)	\$ (92,500)	\$ (92,500)	\$ (92,500)	\$ (92,500)	\$ (92,500)	\$ (92,500)	\$ (92,500)	\$ (92,500)
DEBT interest at 5%	\$ (282,368)	\$ (280,230)	\$ (278,083)	\$ (275,927)	\$ (273,762)	\$ (271,588)	\$ (269,405)	\$ (267,213)	\$ (265,012)	\$ (262,802)	\$ (260,582)	\$ (258,353)
<b>Total Loan Interest</b>	<b>\$ (374,868)</b>	<b>\$ (372,730)</b>	<b>\$ (370,583)</b>	<b>\$ (368,427)</b>	<b>\$ (366,262)</b>	<b>\$ (364,088)</b>	<b>\$ (361,905)</b>	<b>\$ (359,713)</b>	<b>\$ (357,512)</b>	<b>\$ (355,302)</b>	<b>\$ (353,082)</b>	<b>\$ (350,853)</b>
Monthly Total cash variation	\$ 2,894,607	\$ 2,894,607	\$ 2,894,607	\$ 2,894,607	\$ 2,894,607	\$ 2,894,607	\$ 2,894,607	\$ 2,894,607	\$ 2,894,607	\$ 2,894,607	\$ 2,894,607	\$ 2,894,607
<b>Balance</b>	<b>\$ 21,550,691</b>	<b>\$ 24,445,298</b>	<b>\$ 27,339,905</b>	<b>\$ 30,234,512</b>	<b>\$ 33,129,119</b>	<b>\$ 36,023,727</b>	<b>\$ 38,918,334</b>	<b>\$ 41,812,941</b>	<b>\$ 44,707,548</b>	<b>\$ 47,602,155</b>	<b>\$ 50,496,762</b>	<b>\$ 53,391,369</b>



**Next sites**

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## Chateaugay, NY : an existing 20MW Biomass Plant



Picture of the biomass power plant

### Project Components

- **20 MW Biomass-Based Primary Energy Source**

Utilizing sustainable biomass for continuous, dispatchable power generation.

- **135 MWp Solar Photovoltaic (PV) System**

As a secondary energy source, providing clean, renewable daytime power.

- **40 MWh Battery Energy Storage System (BESS)**

Ensures energy stability, time-shifting, and peak shaving capabilities.

- **Grid Connection**

Directly connected to the **NYSEG** (New York State Electric & Gas) grid for energy distribution.

### Ownership

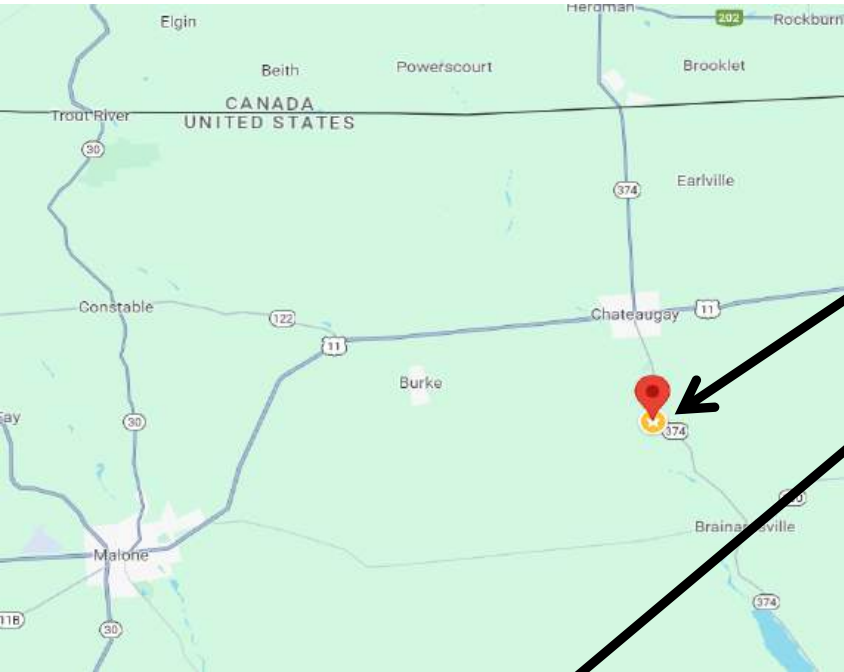
- The **power plant is currently owned by Mr. Joseph Church.**

### Progress & Planning

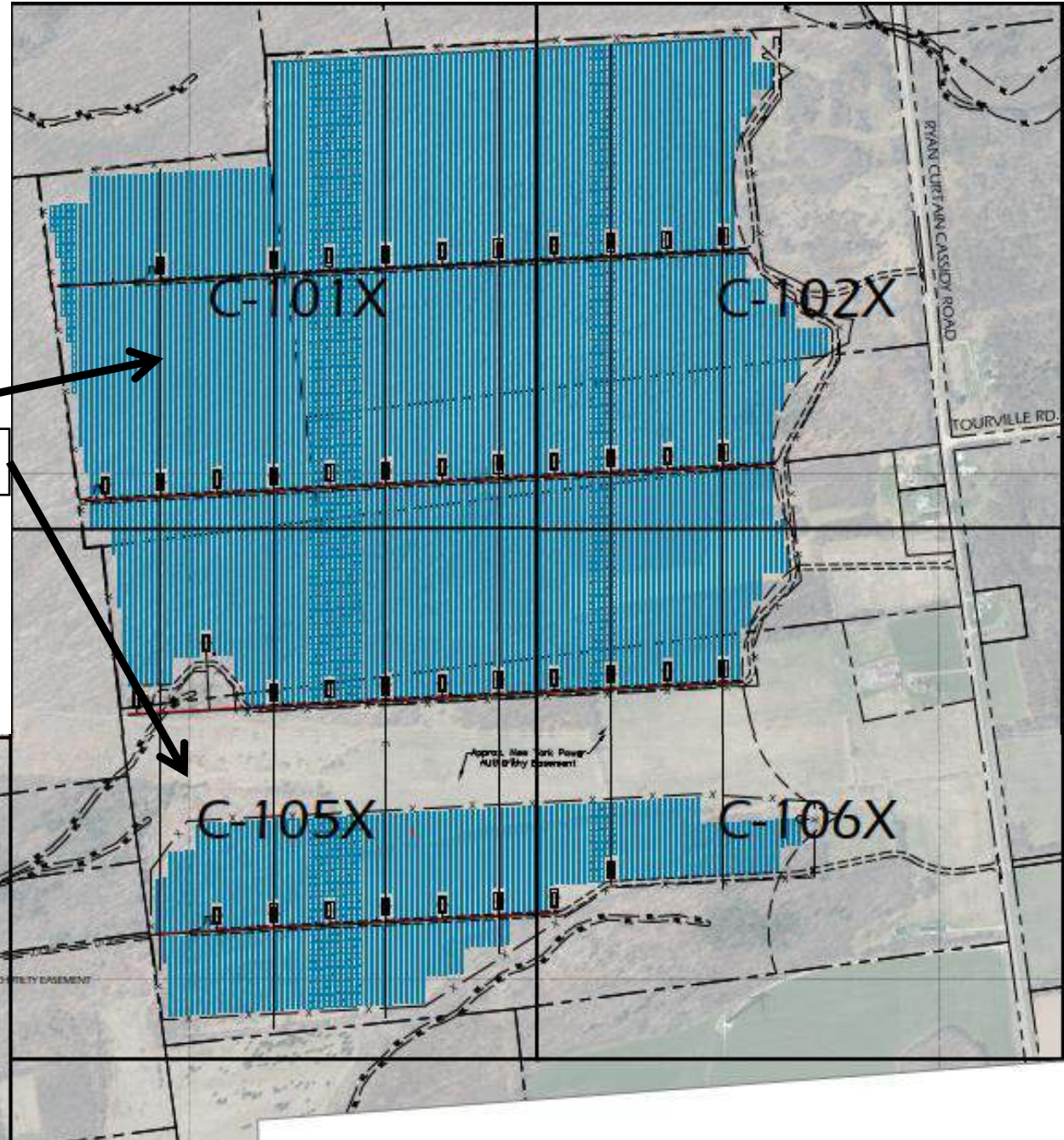
- **Technical Feasibility Study:** Completed
- **Preliminary Business Plan:** Completed
- **Fiber Network Deployment:** Completed



# Chateaugay, NY : an existing 20MW Biomass Plant



The datacenter is located at :  
**Chateaugay, NY  
12920, USA**

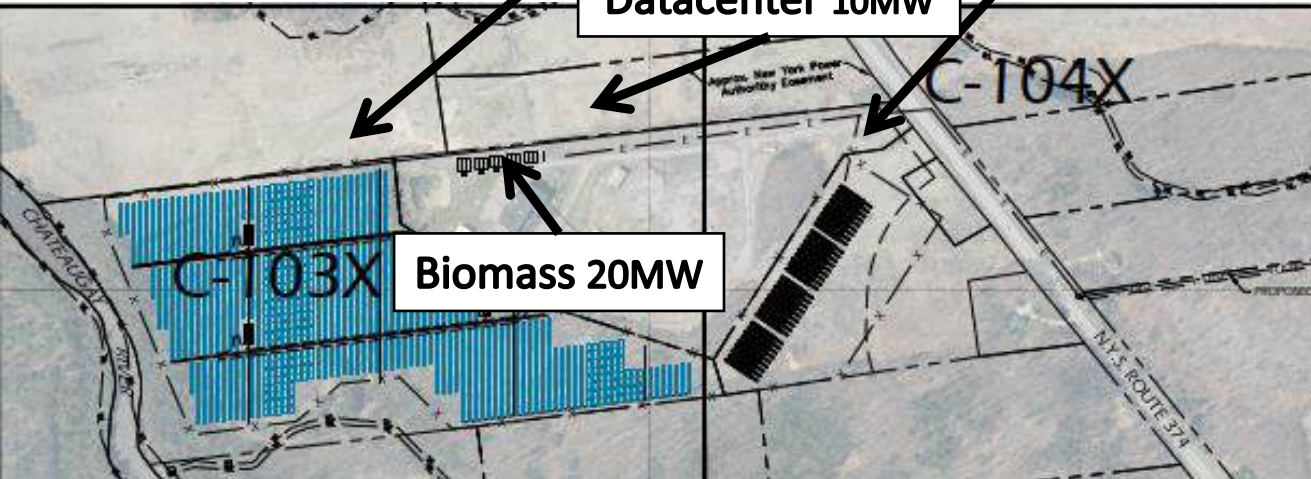


**Solar farms 135MWc**

**BESS 40MWh**

**Datacenter 10MW**

**Biomass 20MW**





## Loyalton, CA : an existing 18MW Biomass Plant




Picture of the biomass power plant

### Project Overview

- **18 MW Biomass-Based Primary Energy Source**  
To be **refurbished and upgraded into a cogeneration plant** producing both **electricity** and **biochar**.
- **72 MWh Battery Energy Storage System (BESS)**  
Ensures energy reliability and load balancing.
- **10 MW AI-Powered Data Center**  
A next-generation **AI Factory**, leveraging on-site renewable energy.
- **Grid Connection**  
Integration with the **CAISO grid** for energy distribution and market participation

### Progress & Planning

-  **Technical Feasibility Study:** Completed
-  **Preliminary Business Plan:** In progress
-  **Fiber Network Deployment:** In progress



## Bakersfield, CA : an existing 45MW Biomass Plant



Picture of the biomass power plant

### Site Overview

- **45 MW Biomass-Based Primary Energy Source**  
To be **refurbished and upgraded into a cogeneration plant** producing both **electricity** and **biochar**.
- **180MWh Battery Energy Storage System (BESS)**  
Ensures energy reliability and load balancing.
- **45 MW AI-Powered Data Center**  
A next-generation **AI Factory**, leveraging on-site renewable energy.
- **Grid Connection**  
Integration with the **CAISO grid** for energy distribution and market participation

### Progress & Planning

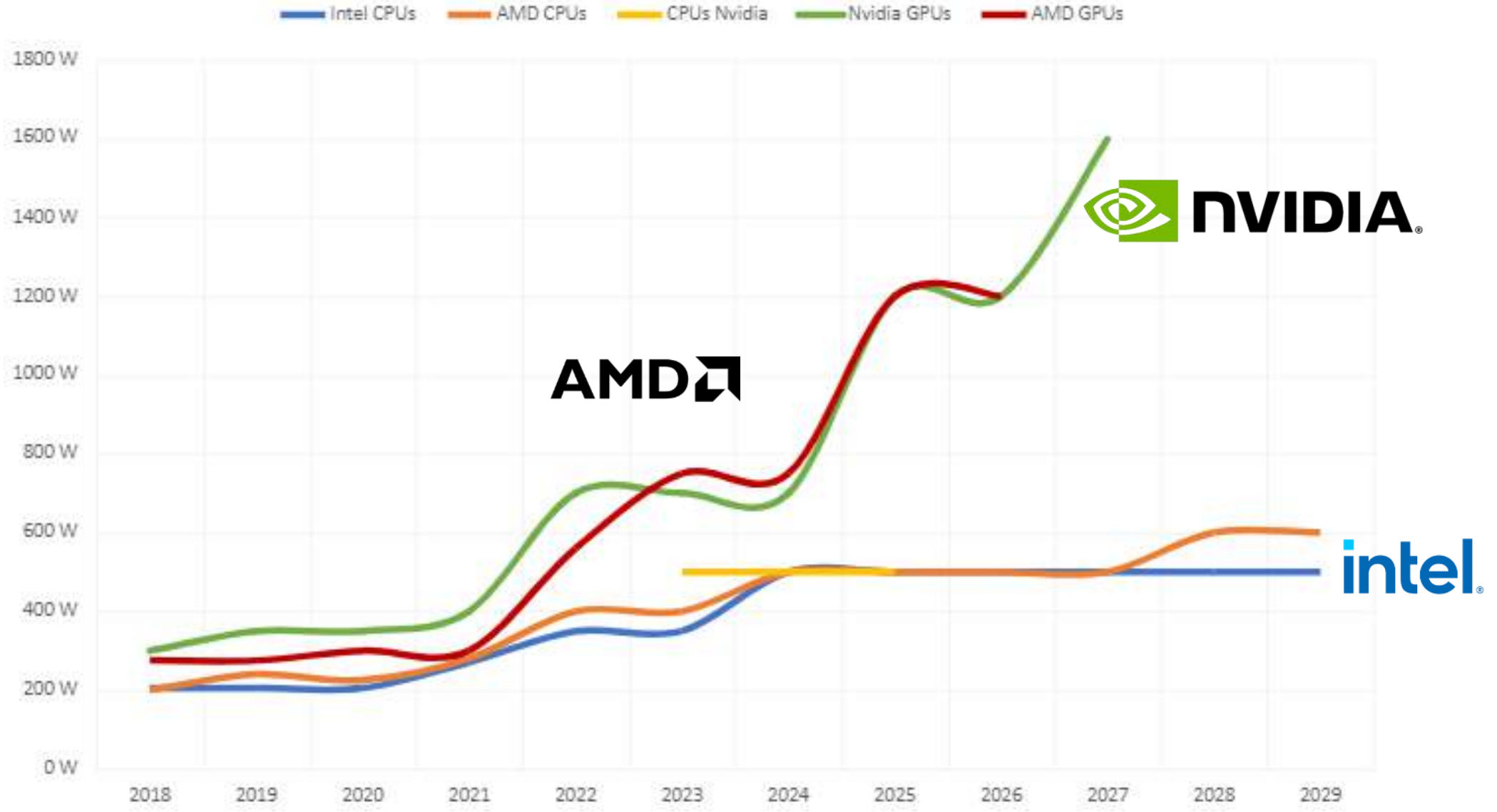
-  **Technical Feasibility Study:** In progress
-  **Preliminary Business Plan:** In progress
-  **Fiber Network Deployment:** In progress



## **MARKET TRENDS / FACTS & FIGURES**

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# Key Components power needs are increasing ...

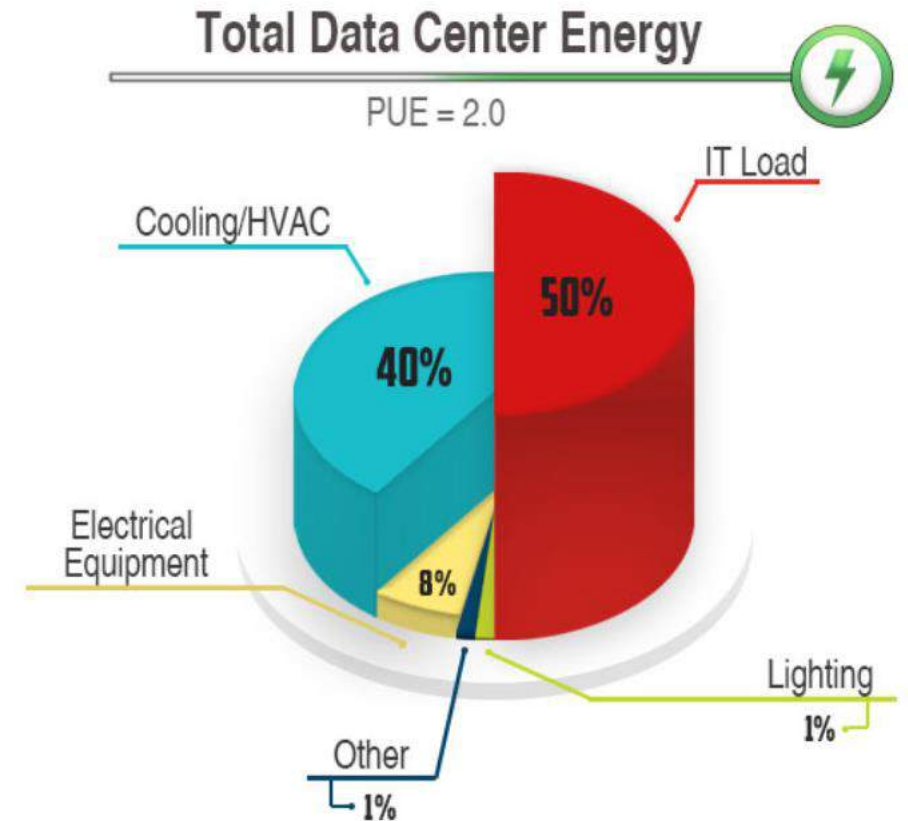


# ... and new regulations require to reduce energy consumption !

## Data Center PUE

- Government request lower data center PUE for environment protection purpose.
- Some area request lower PUE. Example, Beijing.
  - PUE  $\leq$  1.3, for new data center power >9280 KW
  - PUE  $\leq$  1.2, for new data center power >18560 KW
  - PUE  $\leq$  1.15, for new data center power >27840 KW

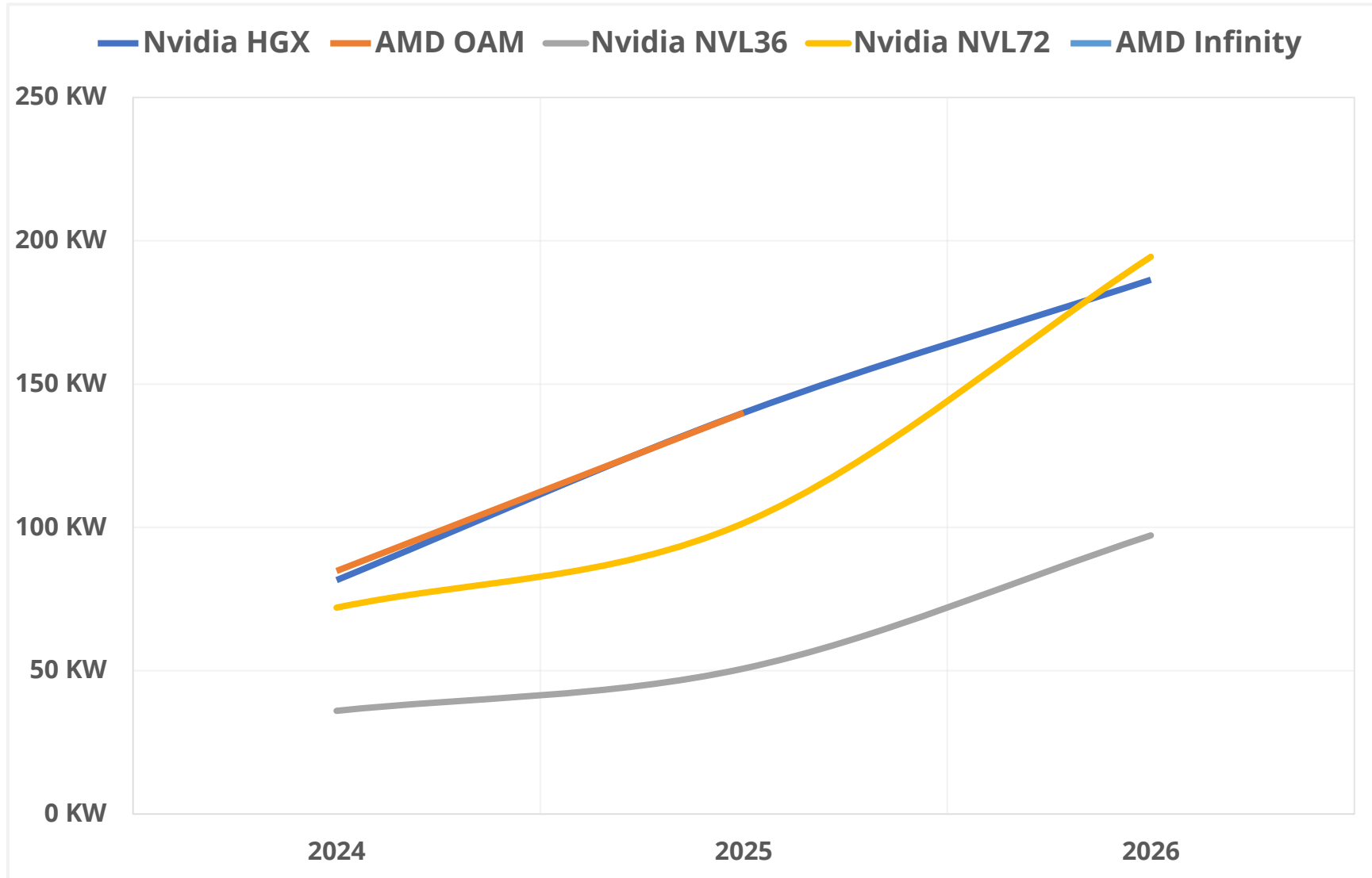
Country	PUE spec	Execution Time
China	$\leq$ 1.5	Now
India	$\leq$ 1.5	Draft
EU	$\leq$ 1.4	2025
Japan	$\leq$ 1.4	Encouragement
Singapore	$\leq$ 1.3	Now
South-Korea	$\leq$ 1.3	2025 (draft)
Germany	$\leq$ 1.3	2025 (draft)
Netherlands	$\leq$ 1.2	Now



$$\text{PUE} = \frac{\text{TOTAL FACILITY ENERGY}}{\text{IT EQUIPMENT ENERGY}}$$



# PROBLEM #2 - AI & HPC POWER CONSUMPTION ISSUE



**AI RACK POWER TREND (2024 - 2026)**

Sources : AMD and Nvidia roadmaps



## PROBLEM #3 - AI & HPC DATA CENTER DEPLOYMENT ISSUE

**Data centers face environmental challenges. Liquid designs can offer an environmentally friendly alternative.**

### Newmark: US data center power consumption to double by 2030

Growing demand for AI servers will see energy requirements rocket

January 15, 2024 By: Matthew Gooding [Have your say](#)

The increasingly sophisticated AI services on offer from the hyperscale public cloud providers mean power requirements in data centers are likely to rocket in the coming years, the report's authors say.

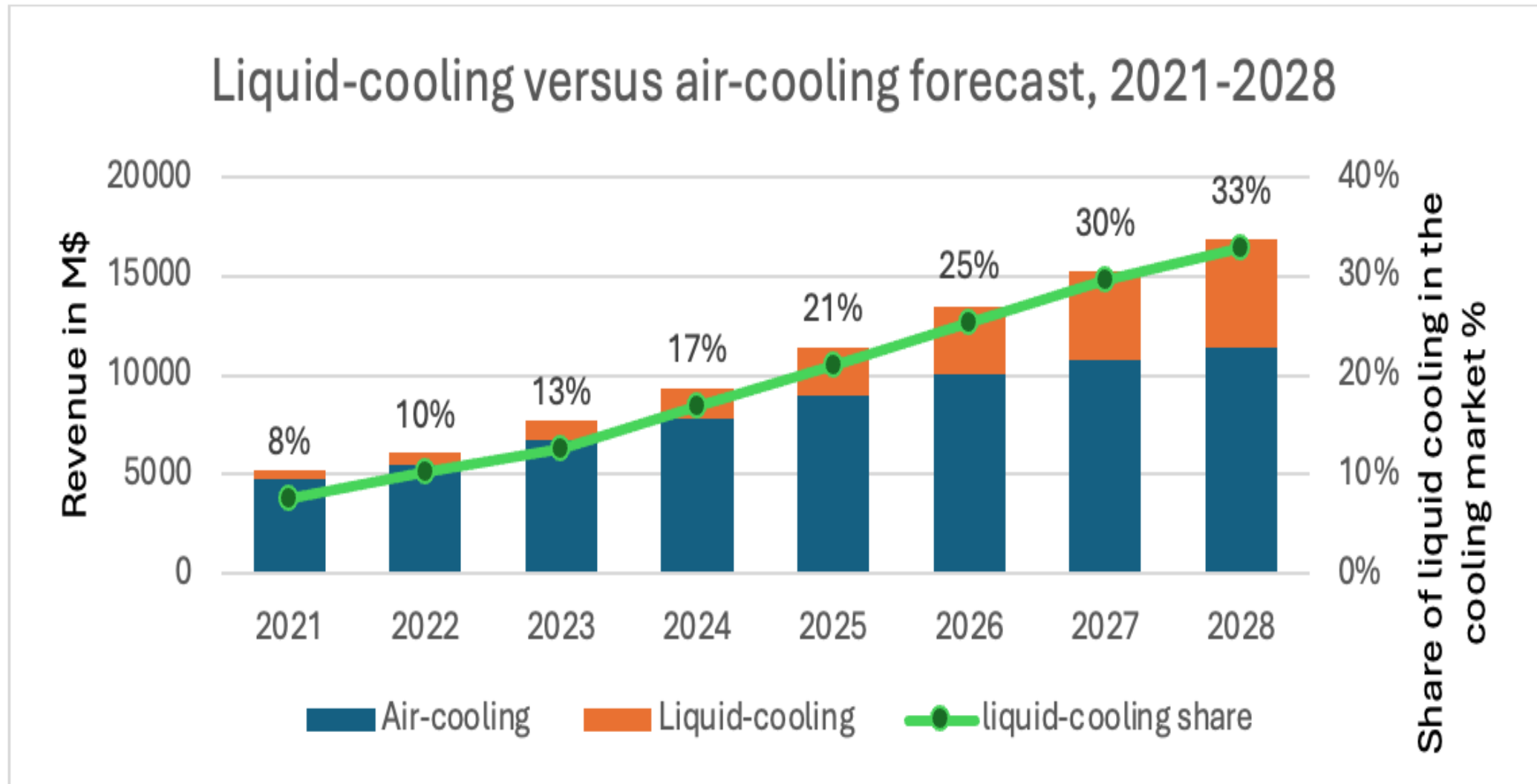
While the hyperscale's typically need 10-14kW per rack in existing data centers, this is likely to rise to **40-60kW for AI-ready racks** equipped with resource-hungry GPUs. This means that overall consumption of data centers across the US is likely to reach 35GW by 2030, up from 17GW in 2022.

Existing markets are already struggling to meet demand. In Virginia, the largest data center market in the world at 3,400MW, **availability is running at just 0.2 percent.**





# DATA CENTER TRANSITION TOWARDS LIQUID COOLING



Source : [Omedia](#)



# US DATA CENTER – 2024 STATE OF THE MARKET

- Market Profiles Supply in primary markets increased by 10% or 515.0 megawatts (MW) in H1 2024 and by 24% or 1,100.5 MW year-over-year.
- The overall vacancy rate for primary markets fell to a record-low 2.8% in H1 2024 from 3.3% a year earlier, while the overall vacancy rate for secondary markets fell to 9.7% from 12.7% over the past year.
- Under-construction activity in primary markets hit a record-high 3,871.8 MW, up by 69% from a year earlier. However, a shortage of available power and longer lead times for electrical infrastructure continued to delay construction completions.
- While cloud providers continued to lease most available power capacity, artificial intelligence (AI) providers also accounted for a considerable amount of demand.
- Pricing continued to increase, albeit at a slower rate than last year. The average monthly asking rate for a 250- to 500-kilowatt (kW) requirement across primary markets increased by 7% in H1 2024 to \$174.06 per kW/month.
- Power availability remained the top consideration in data center site selection.

Figure 1: H1 2024 Wholesale Primary Market Fundamentals

Market	Inventory (MW)	Y-o-Y Change (MW)	Available MW/Vacancy Rate	Y-o-Y Change* (bps)	H1 2024 Net Absorption (MW)	Y-o-Y Change (MW)	Rental Rates (kW/mo)**
Northern Virginia	2,611.1	▲ 357	38.6 / 1.5%	▲ 56	108.1	▼ -84.7	\$165-\$205
Dallas-Ft. Worth	591.0	▲ 91.6	26.0 / 4.4%	▲ 30	41.3	▼ -69.3	\$135-\$170
Chicago	589.6	▲ 222.1	11.2 / 1.9%	▼ -360	30.5	▲ 4.5	\$165-\$175
Phoenix	510.8	▲ 150.8	16.9 / 3.3%	▼ -200	148.1	▲ 104.3	\$170-\$210
Silicon Valley	459.2	▲ 48.5	29.2 / 6.4%	▼ -20	33.3	▲ 19.5	\$155-\$250
Hillsboro	427.4	▲ 179.0	0.3 / 0.07%	▼ -260	171.2	▲ 93.5	\$140-\$180
Atlanta	310.0	▲ 39.0	27.3 / 8.8%	▲ 140	13.8	▲ 6.3	\$155-\$160
New York Tri-State	190.0	▲ 12.5	12.3 / 6.5%	▼ -330	0.0	▼ -3.4	\$170-\$180

\*Vacancy Y-o-Y changes are calculated by comparing the difference between H1 2024 and H1 2023.

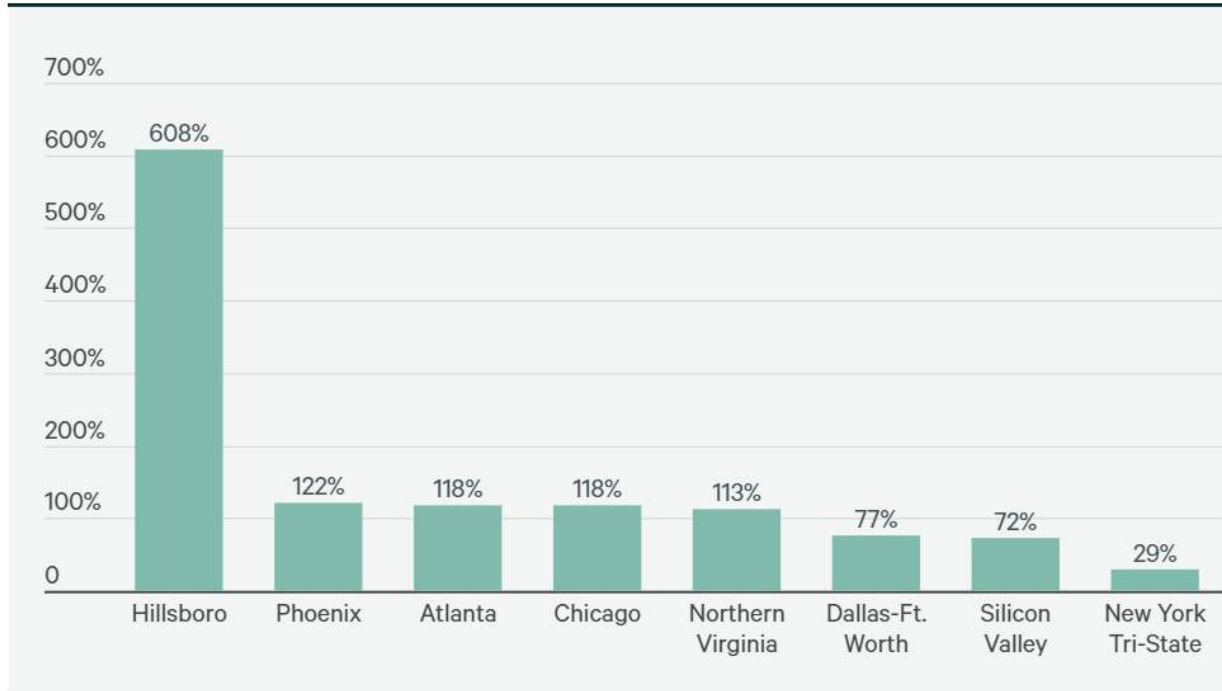
\*\*Rental rates are quoted asking rates for 250+ kW at N+1/Tier III requirements.

Source: CBRE Research, CBRE Data Center Solutions, H1 2024.



# US DATA CENTER – 2024 STATE OF THE MARKET

Figure 4: Inventory Growth of Primary Data Center Markets Since 2020



Source: CBRE Research, CBRE Data Center Solutions, H1 2024.

Figure 5: Primary Markets Net Absorption, Preleasing & Under Construction



Source: CBRE Research, CBRE Data Center Solutions, H1 2024.



# US DATA CENTER – 2024 STATE OF THE MARKET

- Power delivery timelines will continue to increase in H2 2024 due to a shortage of readily available equipment, such as transformers, switches and generators. Difficulty in procuring critical equipment will lead to power delivery delays of up to four years.
- Markets such as Northern Indiana, Idaho, Arkansas and Kansas will continue to draw interest from hyperscalers and developers due to land availability and power availability timelines.
- Occupiers will be forced to prelease space between two and four years ahead of completion to meet their future data center requirements.
- Increased adoption of fixed wireless and fiber-to-the-home solutions to help provide high-speed connectivity across the U.S.
- The federal funds rate is expected to decrease slightly in H2 2024, which may loosen lending conditions.

Figure 6: Total Inventory vs. Under Construction by Primary Market, H1 2024



Source: CBRE Research, CBRE Data Center Solutions, H1 2024.

- The rise of AI and machine learning is driving significant changes in data centers, including increased use of graphics processing units (GPUs) and liquid cooling to reduce the heat from these more power-intensive applications.
- With carbon emission goals for 2030 rapidly approaching, will improvements in cooling efficiency, recycling waste heat and renewable energy power generation sources become imperative for operators in 2025
- Semiconductor chips and graphics processor companies continue to grow top-line revenue at an impressive rate. Will hyperscaler capital expenditures continue to grow in tandem with GPU production?
- Will historically low natural gas prices over the past year rise in 2025
- Has public perception of nuclear power improved enough that small modular reactors can be used to power data centers



### In Post-production, compute access is key to stay competitive in a far-west marketplace

- Professional software demands increased compute power ! Staying abreast of the latest software features, which enhance productivity, necessitates a higher level of compute power. What was manageable with simple CPU computing five years ago now mandates top GPU workstations for optimal performance
- Professionals seek greater flexibility. In the dynamic landscape of recurring contracts and project-based business models, creative firms require agility. The ability to deliver swiftly and adopt a pay-as-you-go approach emerges as the sole solution.
- Professionals are becoming increasingly mobile and international. With production spanning various countries, concerns about latency, proximity to clients, and the surge in remote work, the next generation of post-production faces significant challenges. Mobility is not just important; it has become a mandatory requirement.

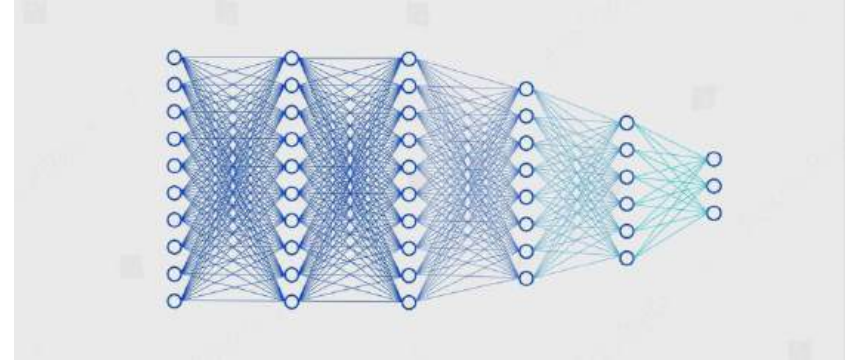
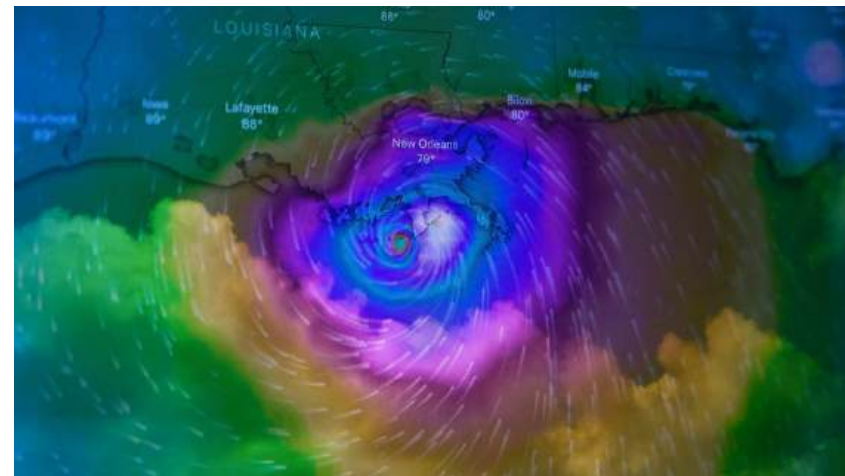
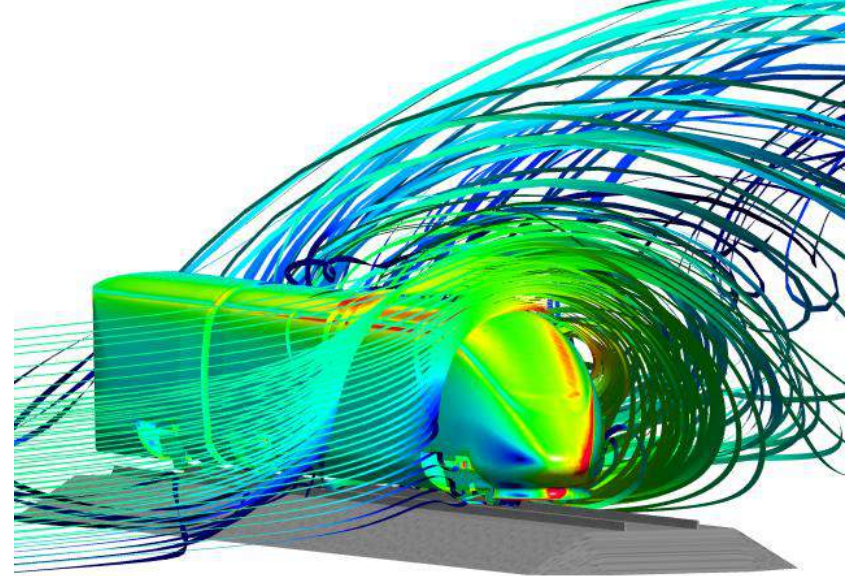




## END USER – 2025 STATE OF THE MARKET

### HPC users wants Custom systems adapted to their models ... But do not want to pay for it

- New HPC or AI models requires different resources from their compute capabilities and storage management. If standardization in mainstream application has helped to reduce the number of possibilities, automated innovation within scientist and engineers has accelerated the needs of new composable systems not available at large scale on the market.
- In a greater tension to support increasing CAPEX necessary to support Scientific researches and long-term analysis with current technology, investment shrink and need of Pay as You go formula becomes everyday more important for Universities, research labs and Corporate teams
- With much sensible data and large data lake to transfer, compute intensive users are still reluctant to have their storage infrastructure away from their labs and are looking to edge more closer solution to be deployed.

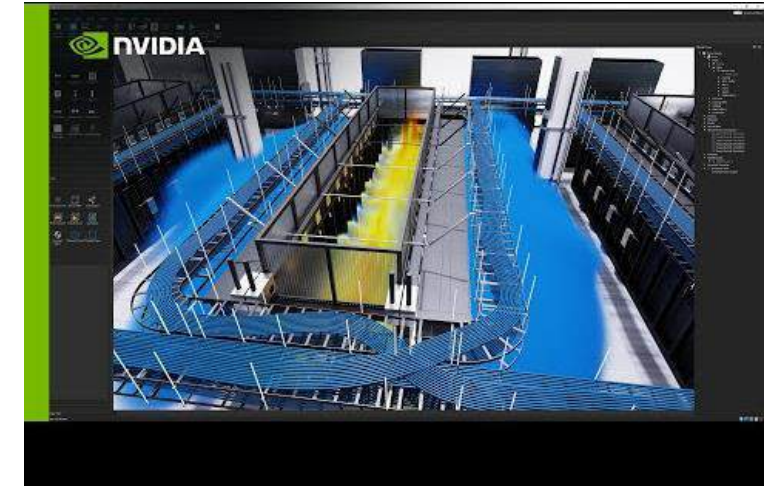
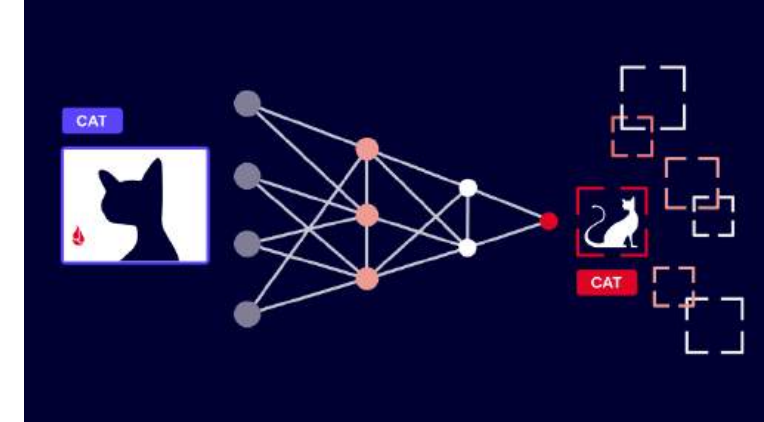




## END USER – 2025 STATE OF THE MARKET

### AI developers wants to manage their own cloud, ... but abstracted from Hardware, Data Center, node and network management

- ISV and enterprise developers <35 years old have sometimes never manage a hardware system in their lives. They have been working through cloud instances and University Schedulers their all education. Once on the marketplace, they want the same system flexibility and deployment scalability
- 1 out of 3 new cloud or Hosting company deploying its own hardware and managing its own datacenter stops within 3 years as the hurdle of managing hardware, power and real estate becomes too high
- AI agent requires more and more “IaaS” structure or Dedicated blade system “As A service” than Public Cloud with shared resources, but they still needs the base OS and Hypervisor to work correctly.





**CLIENTS & MARKET TARGETED**



# The initial three market focus...



**Media creation**



**Rendering**



**AI as a service**

**European Clients moving to USA**





# TARGETED MARKETS

## From NA

Atlas Cloud

**R O D E O** <sup>F</sup>x



**MOMENT  
FACTORY**

 **VIRIDIEN**

 **TENSORWAVE**



 **Speechify**

## From EU to USA

**RANCH**  
COMPUTING

 **exaion**  
EDF GROUP

 **FluidStack**

 **EXOSCALE**



 **clever cloud**







 **SESTERCE**

**SUPERBIEN**

 **RBIS**  
PRODUCTION











# THE COMPETITION

Cloud Provider	Market Segment	Strengths	Weaknesses
	AI, HPC, Rendering	Largest cloud provider globally- Wide range of GPU instances (AWS EC2, P4d, P5)- Strong ecosystem with AI services (SageMaker, Bedrock)	High pricing- Limited flexibility for custom AI solutions- High egress costs
	AI, HPC	Leader in AI Compute (Partnership with OpenAI)- Only provider offering NVIDIA H100 & AMD MI300X at scale- Deep integration with enterprise solutions (Windows, Office, Teams)	Expensive long-term contracts- Less flexible pricing for startups and research
	AI, Big Data, Rendering	Best in class AI/ML solutions (Vertex AI, TensorFlow, TPUs)- Strong Kubernetes & containerized HPC solutions- Cost-effective AI inferencing with TPUs	Smaller enterprise adoption compared to AWS/Azure- Limited hybrid cloud support
	HPC, AI	Best price/performance for HPC workloads- High-bandwidth networking ideal for AI training- Multi-cloud & hybrid solutions available	Smaller market presence- Less mature developer ecosystem
	HPC, AI, Quantum	Hybrid & multi-cloud leader (Red Hat OpenShift)- Specializes in AI and Quantum Computing- Watson AI for enterprise AI applications	Smaller cloud footprint- Not widely used for GPU-intensive AI workloads
	AI, HPC	Strong presence in Asia-Pacific- Competitive GPU pricing for AI & rendering- Integrated AI & data analytics tools	Limited presence in North America & Europe- Compliance and trust concerns outside of China



# THE COMPETITION

Cloud Provider	Market Segment	Strengths	Weaknesses
 Genesis Cloud	AI, Rendering	100% renewable energy-powered cloud Cost-effective GPU solutions Optimized for media rendering and AI startups	Limited global infrastructure Not as enterprise-focused as AWS/Azure
 Lambda	AI	Specialized in AI training (Multi-GPU setups) Offers dedicated NVIDIA GPU instances Pre-configured deep learning environments	Focused only on AI Higher pricing than hyperscalers
 CoreWeave	AI, HPC, Rendering	High-performance GPU cloud with low latency Optimized for AI, deep learning, and VFX Competitive pricing compared to hyperscalers	Limited global data center presence Less enterprise support than AWS/Azure
 VULTR	AI, HPC	Affordable cloud compute with GPU options Strong developer-friendly API Fast deployment and scalability	Lacks AI-specific optimizations Limited ecosystem compared to major providers
 NEBIUS	AI, HPC	Specialized in high-performance computing Competitive GPU pricing for AI workloads Strong European presence	Still growing its global infrastructure Less known in enterprise cloud markets
 RunPod	Decentralized AI	GPU cloud optimized for AI training and inferencing Pay-as-you-go model with spot instances Strong community-driven ecosystem	Smaller global infrastructure Less enterprise-focused features
 ari	Decentralized Cloud	Edge computing and distributed cloud network Ideal for latency-sensitive applications Strong hybrid cloud compatibility	Limited adoption compared to centralized providers Still developing its ecosystem
 DENVR DATAWORKS	AI, Rendering	Green energy-powered cloud infrastructure- Optimized for AI model training and rendering- Cost-efficient alternative to hyperscalers	Smaller data center presence- Less established support network



## REFERENCE DESIGNS & INSTANCES

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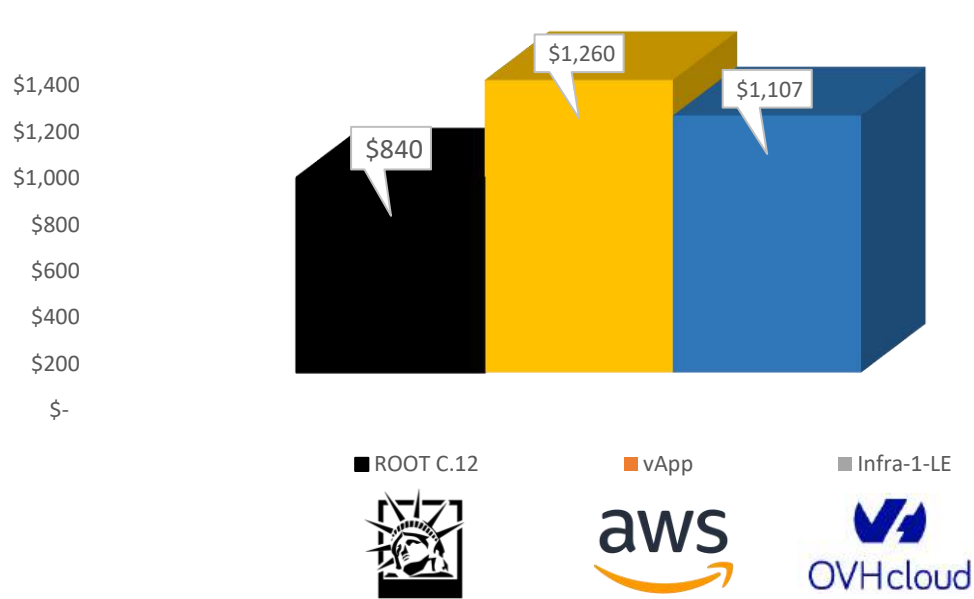


# OUR OFFER

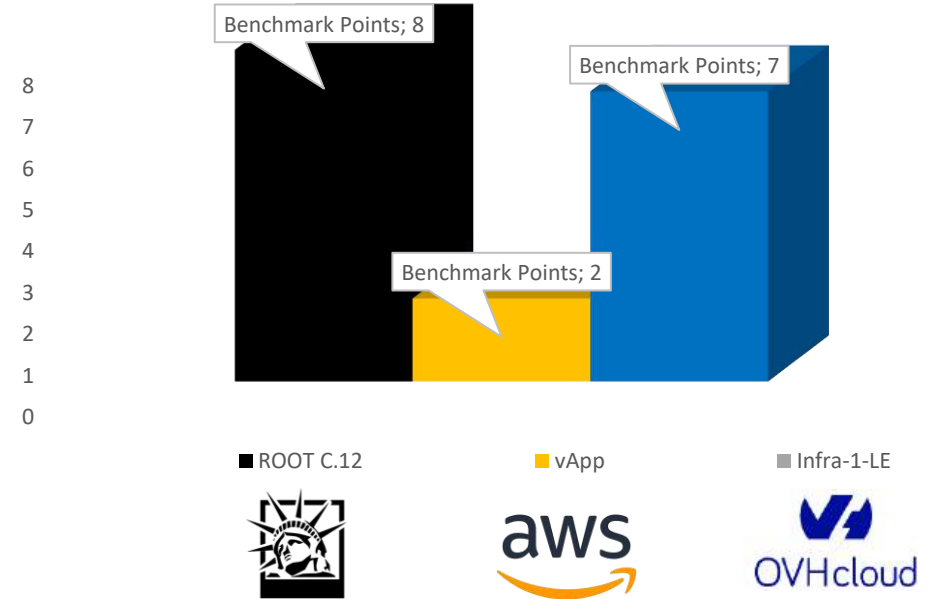
## VIRTUAL APP

# Virtual Machines and Dockers to fulfill any developer needs

More competitive price per month or per year with better performances.



For Pricing difference please refer to Reference pricing slides



For Benchmark difference please refer to benchmark slides



# OUR OFFER

## VIRTUAL APP

Root.c12	Root.c12x3	Root c24
From 1vCPU to 24 vCPU on a single node	3x Root.c12 bundle for 3x number of vCPU available	From 1vCPU to 48 vCPU on a single node
3.3GHz Base Clock	3.3GHz Base Clock	2.5GHz Base Clock
From 16GB to 128GB of Memory	From 288GB to 576GB of Memory on the 3 nodes	From 16GB to 256GB of Memory
Up to 1.92TB of Storage NVMe	Up to 1.92TB of Storage NVMe/Node	Up to 1.92TB of Storage NVMe
Up to 10GB of Dedicated Network	Up to 10GB of Dedicated Network on each nodes	Up to 10GB of Dedicated Network



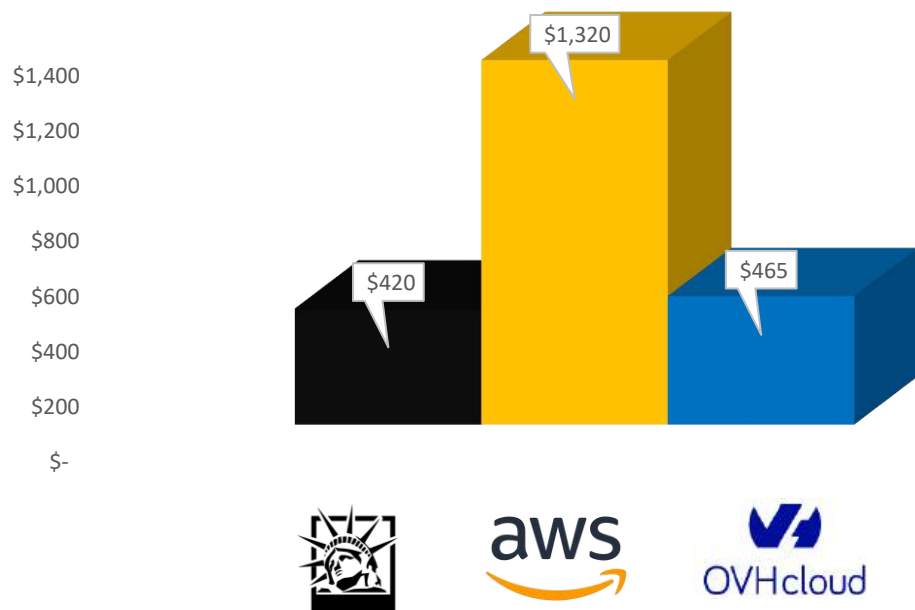


## OUR OFFER

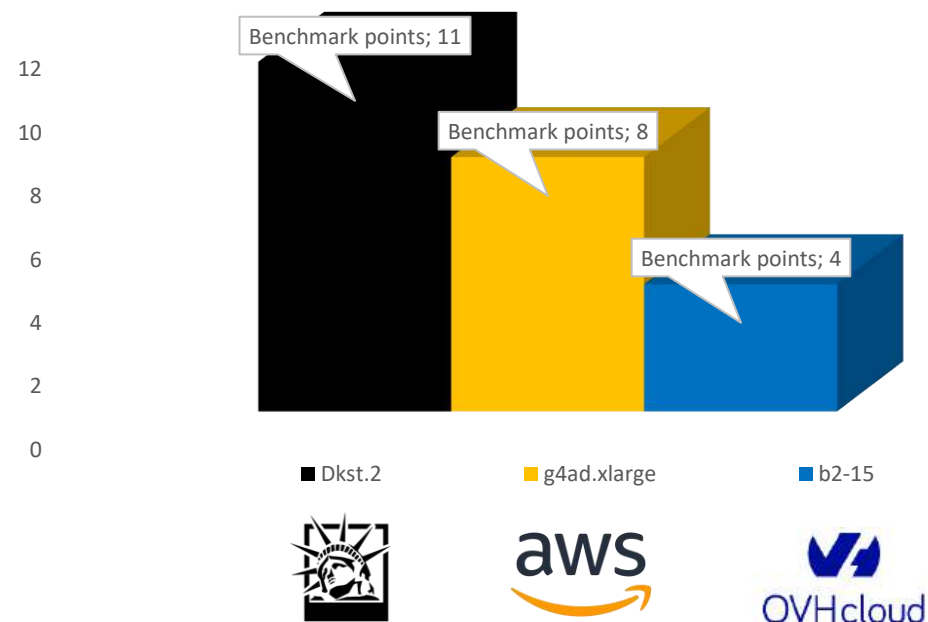
### VIRTUAL DESKTOP

# Linux and Windows instances available in the Cloud

Complete Remote Desktop solution based on Linux or Windows to work remotely or manage legacy software like ERPs or Legacies Applications



For Pricing difference please refer to Reference pricing slides



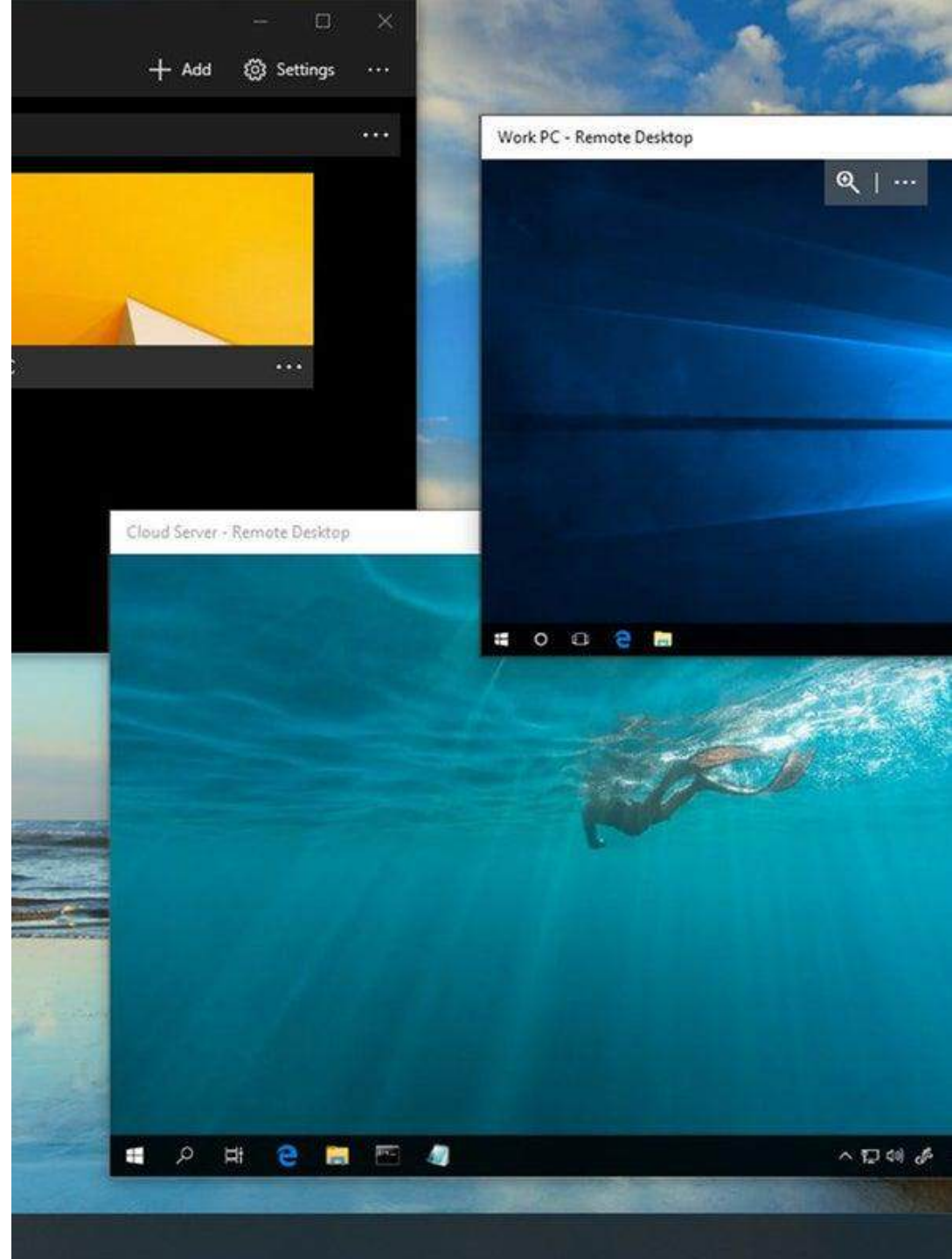
For Benchmark difference please refer to benchmark slides



# OUR OFFER

## VIRTUAL DESKTOP

Dskt.1	Dskt.2
From 4 vCPU to 16 vCPU on a single node	From 8vCPU to 16 vCPU on a single node
2.5GHz Base Clock	2.5GHz Base Clock
8GB of Memory	32GB to 128GB of Memory
Up to 100GB of Storage	Up to 1.92TB of Storage NVMe
From 1GB to 10GB of Dedicated Network	Up to 10GB of Dedicated Network
	1x 6GB GPU



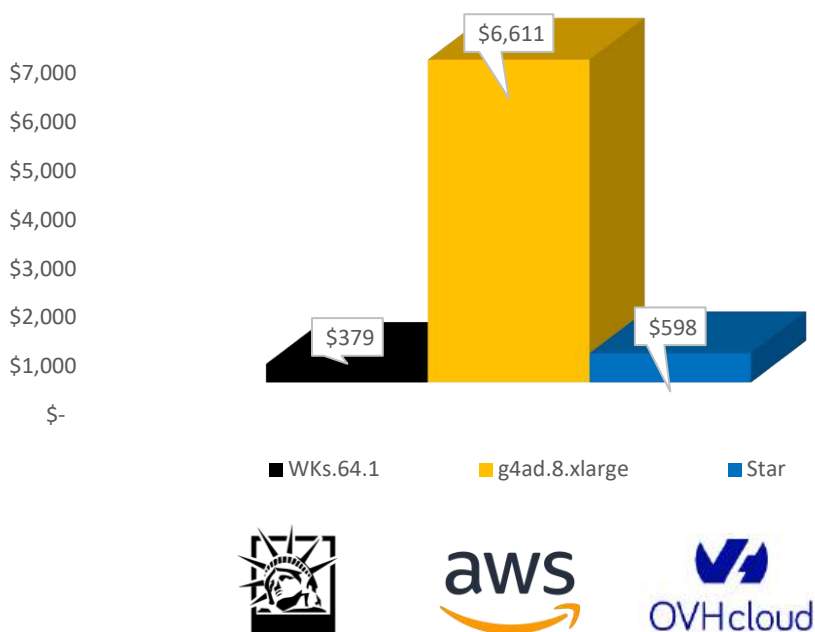


# OUR OFFER

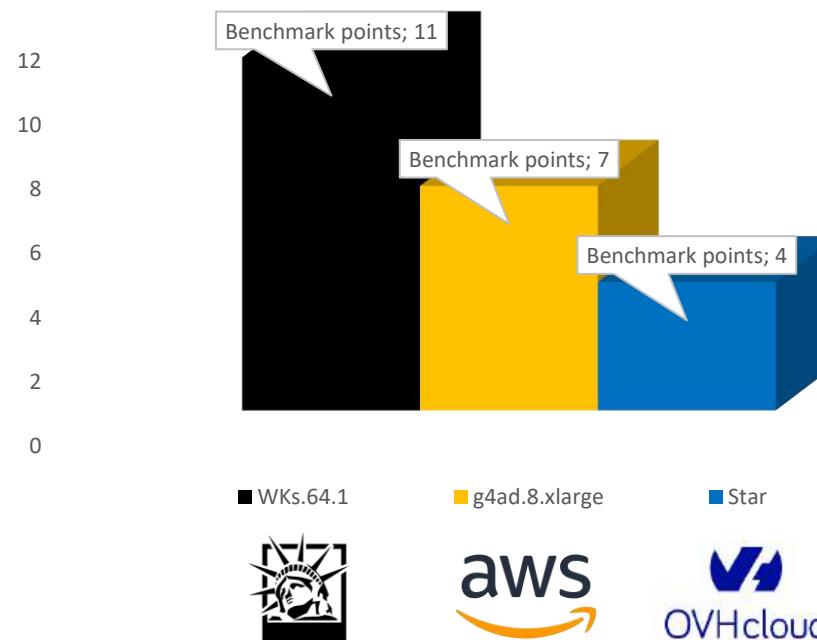
## VIRTUAL GRAPHICS

# GPU enabled instances for Graphics, render or limited AI usage

Virtual Graphics are perfect instances for CAD, Rendering users or limited AI development. For any engineers, developers and technicians working remotely, Virtual Graphics is the solution



For Pricing difference please refer to Reference pricing slides



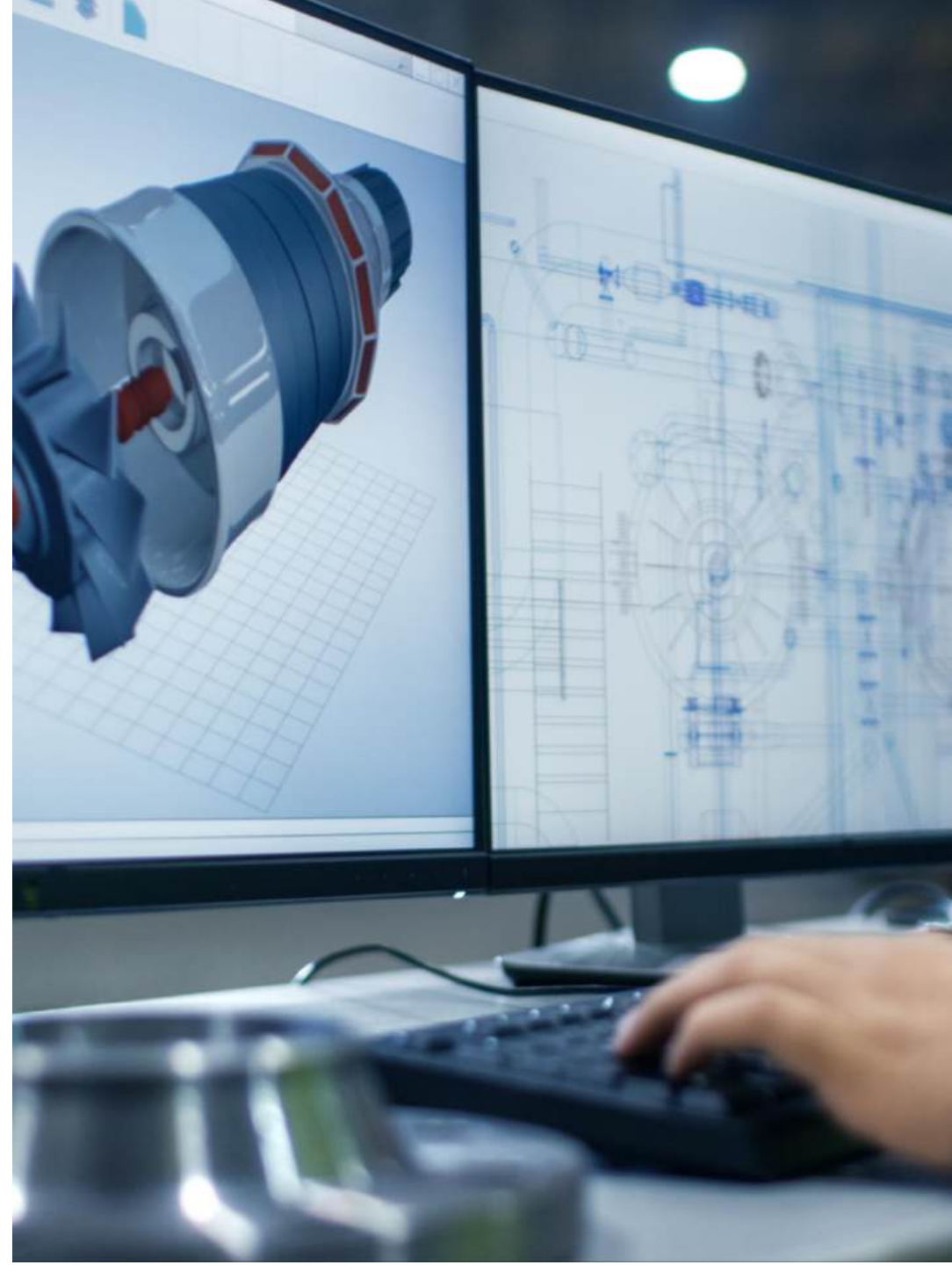
For Benchmark difference please refer to benchmark slides



# OUR OFFER

## VIRTUAL GRAPHICS

Wks.8	Wks.64.1	Wks.64.2
16vCores	64vCores	64vCores
2.8GHz Base Clock	2.8GHz Base Clock	2.8GHz Base Clock
64GB of Memory	128GB of Memory	192GB of Memory
Up to 7TB of Storage	Up to 7TB of Storage	Up to 7TB of Storage
From 1GB to 10GB of Dedicated Network	From 1GB to 25GB of dedicated network	Up to 10GB of Dedicated Network
RTX A4000 16GB	RTX A5000 24GB	RTX A6000 48GB



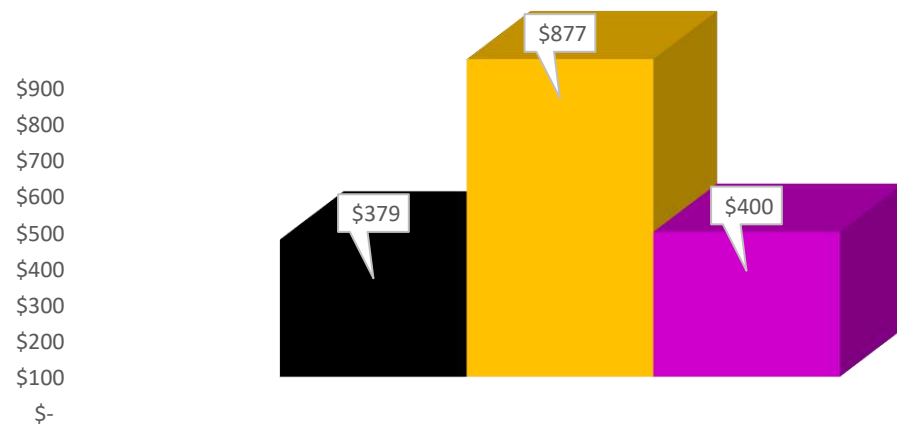


OUR OFFER

VIRTUAL COMPUTE

# High end GPU for intensive AI training phase or large inference models

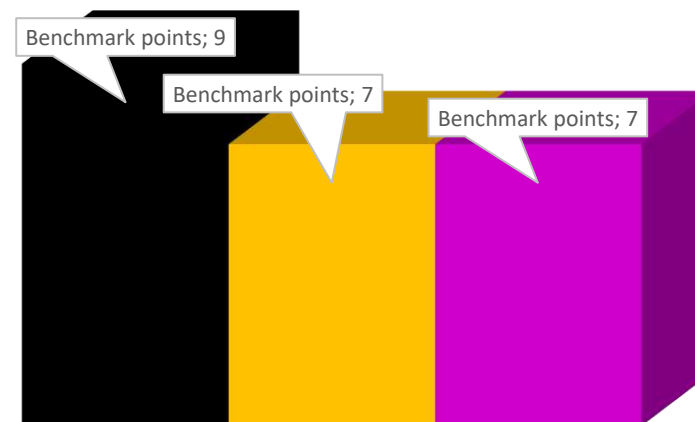
Designed for Large Language Models, Generative AI and large Video/image analysis Training and Inferences



■ Vaic.1    ■ p3.16xlarge    ■ 1H100P



9  
8  
7  
6  
5  
4  
3  
2  
1  
0



■ WKs.64.1    ■ g4ad.8.xlarge    ■ Star



For Pricing difference please refer to Reference pricing slides

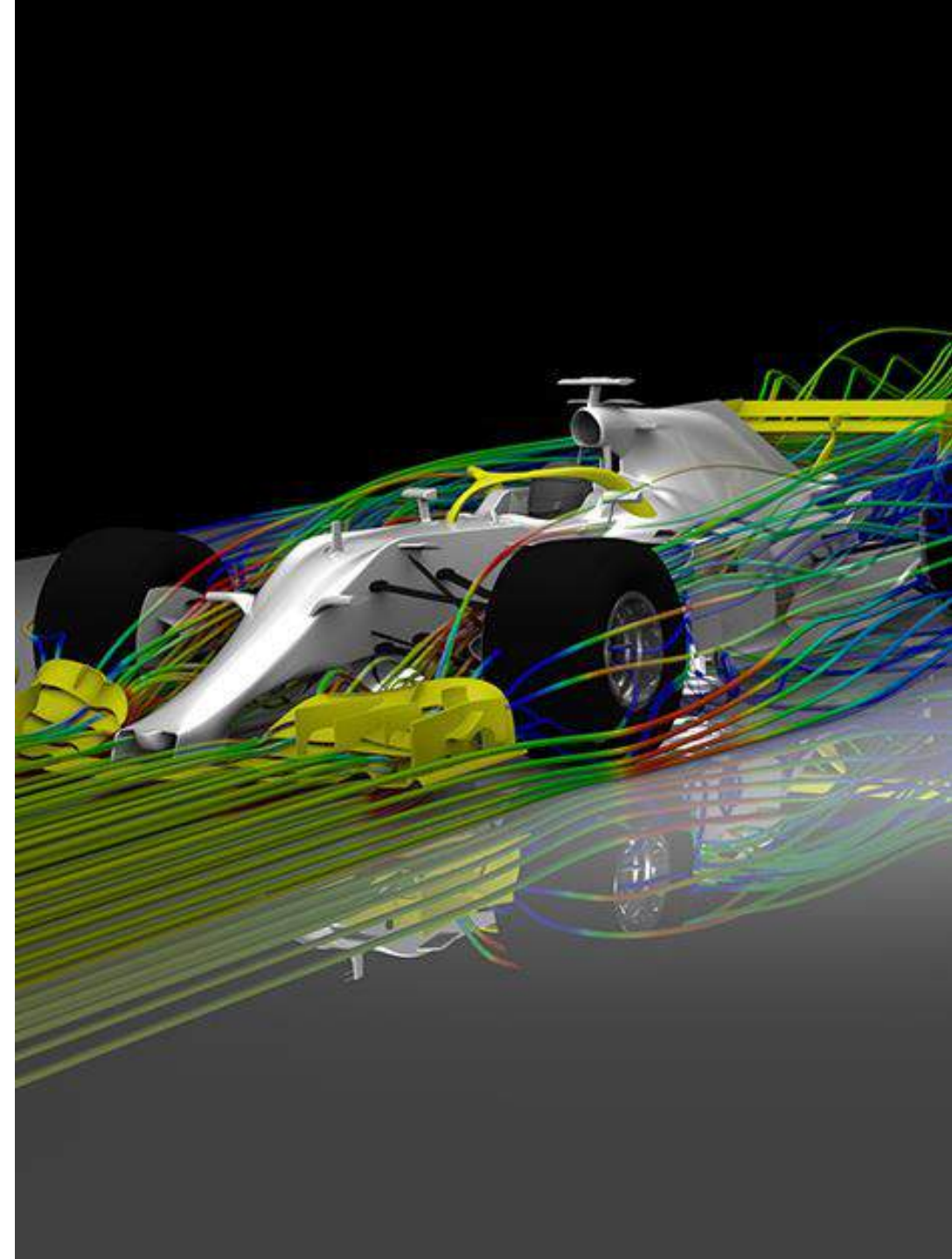
For Benchmark difference please refer to benchmark slides



# OUR OFFER

## VIRTUAL COMPUTE

Vaic.1	Vaic1.x4	Vaic8
32vCPU on a single node	4x vaic.1 bundle for 3x number of vCPU available	From 128vCPU to 224 vCPU
2.8GHz Base Clock	2.8GHz Base Clock	2GHz Base Clock
From 96GB to 192GB of Memory	From 96GB to 768GB of Memory	2TB of Memory
Up to 15TB of Storage	Up to 4x15TB of Storage	Up to 120TB of Storage NVMe
From 10GB to 400GB of Dedicated Network	From 10GB to 400GB of Dedicated Network	From 10GB to 400GB of Dedicated Network
1x Dedicated H100 (PCIe)	4x Dedicated H100 (PCIe)	8x Dedicated H100 in SXM5





## **PARTNERS & SUPPORTS**



## SOFTWARE PARTNERS



**Openstack** is the most used Open-Source IaaS software in 2025 to support Private Cloud and Public Cloud infrastructure from Virtualization to Docker and storage management deployment

### TARGET

Public and Private Cloud entities wishing to deploy their own Cloud



**Exaion** is a Cloud Spinoff from EDF (Electricity of France) and provides the most sustainable Cloud service dedicated for vFX, rendering farms, Quantum and Web3 applications.

### TARGET

vFX, Postproduction and Visual Arts entities in need of render and large compute power



**Fluidstack** is a Cloud Spinoff from MISTRAL and provides the most modular AI Cloud service with AI training and inference software solution for deployment from Data Center to Edge and Hybrid environment.

### TARGET

Private companies wishing to deploy and be supported in their AI journey from their on prem location to Public Cloud



## NETWORK PARTNERS



**FirstLight** is a local New York fiber-optic data, Internet, data center, cloud, unified communications, and managed services telco to enterprise and carrier customers throughout the Northeast and mid-Atlantic.

### **TARGET**

Local New York and surrounding states customers interested in security, private and Black fiber connection



**Spectrum Enterprise**, a part of Charter Communications, is a national provider of scalable, fiber-based technology solutions serving many of America's largest businesses and communications service providers.

### **TARGET**

Nationwide customers interested in deployment throughout the "Green Cloud" Network from New York State to the rest of the country



**LightPath Technologies**, manufactures, distributes, and integrate proprietary optical components for demanding customers and low latency high security telecommunications throughout America.

### **TARGET**

Nationwide customer interested into custom, low latency or cyber security specific demands :  
Federal agencies, Defense related companies



## DATA CENTER SERVICE PARTNERS



**ECS (Equus Compute Solutions)** is a systems/solutions technology provider with over 30 years of experience, delivering advanced digital infrastructure solutions from Multi Edge Computing “MEC” to Core computing infrastructure. ECS is specialized in servicing Edge and Compute intensive Infrastructure from Direct to Chip to Immersion cooling in Data Center or 5G deployment Data Centers

### OUR COLLABORATION

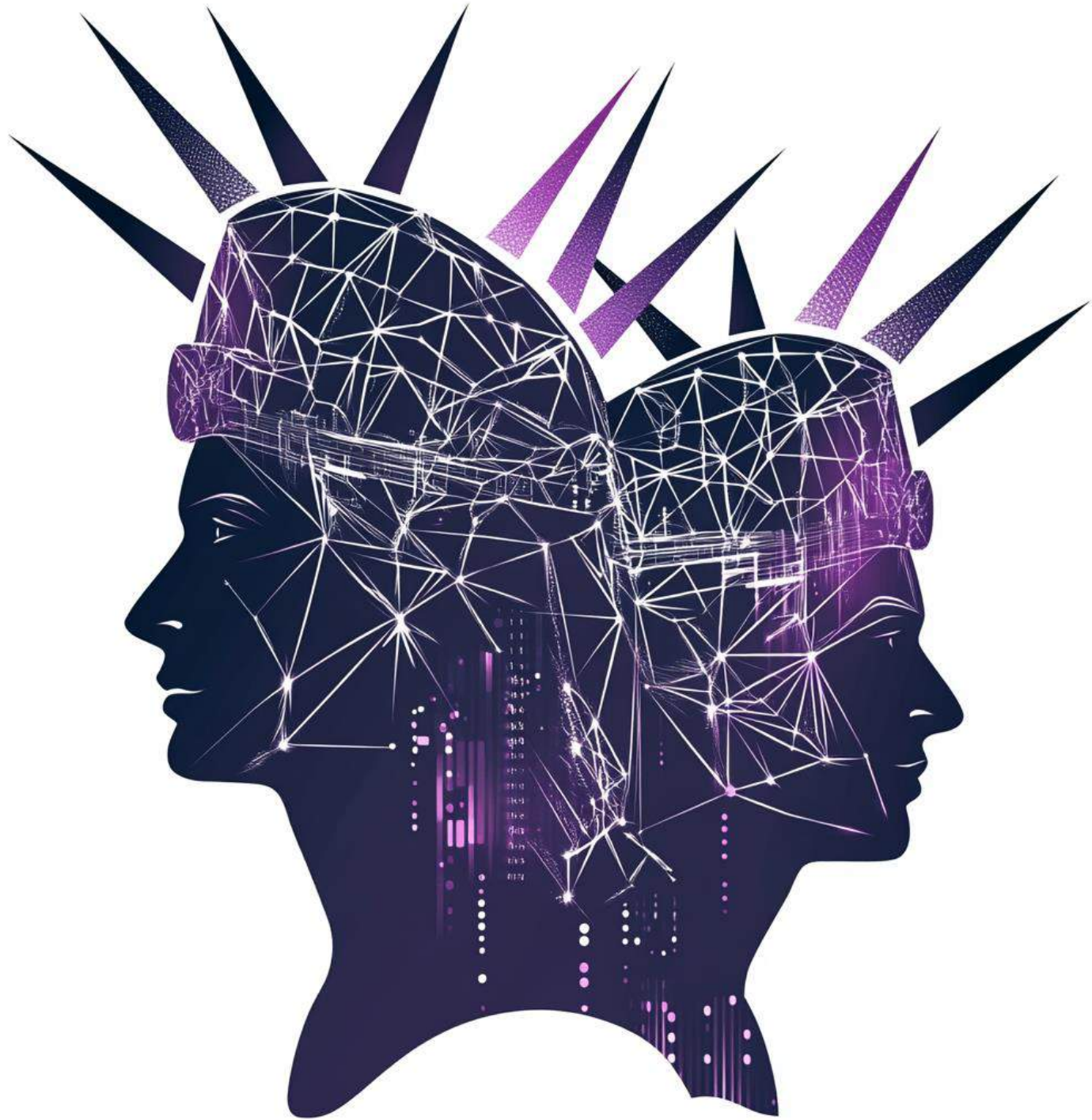
Data Center management and monitoring, server maintenance, iT support level 1, 2 and 3 nationwide



**Quanta Services** provides infrastructure services for electric power, pipeline, industrial and communications industries. It includes planning, design, installation, program management, maintenance and repair of most types of network infrastructure.

### OUR COLLABORATION

Data Center site identification, network, groundwork, power delivery and security installation nationwide



## THE TEAM

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## THE TEAM – Co-Founder & CEO



**Dr. Joseph Church (“Joe”)** is a highly skilled veterinarian and business leader based in Plattsburgh, NY. Since joining **Plattsburgh Animal Hospital** in 2004, he has played a key role in the expansion and modernization of one of the region’s leading veterinary practices. With a focus on **small animal healthcare and surgery**, Dr. Church ensures the highest level of care for pet owners across the North Country.

- **DVM, Cornell University College of Veterinary Medicine (2004)**
- Specialized in **preventive medicine, diagnostics, and surgical procedures**
- Strong leadership in **veterinary practice management and operational efficiency**

As a **partner** at Plattsburgh Animal Hospital, Dr. Church has contributed to its **long-term profitability** and **sustainable growth**.

With **growing demand for pet healthcare services** in the U.S., veterinary businesses represent **high-value investment opportunities**. Plattsburgh Animal Hospital, with its **strong regional reputation and experienced leadership**, is well-positioned for continued growth, strategic partnerships, and potential **expansion opportunities** in telemedicine, specialty care, or franchising.

**Joe is the Founder and CEO from Church Energy Center and NewYork GreenCloud.**

Beyond his professional commitments, Joe enjoys outdoor activities such as **boating and fishing**, reflecting a deep connection to the local community. He lives in the Plattsburgh area with his wife, Camry, and their six children.



## THE TEAM – Co-Founder & CEO



**Alain Wilmouth** is a seasoned entrepreneur and technology innovator with over 33 years of experience in The IT industry. As the co-founder and Chief Executive Officer of **2CRSi Group**, he has been instrumental in establishing the company as a global leader in the design, production, and marketing of high-Performance, eco-friendly computing servers. Under his leadership, 2CRSi has expanded its footprint internationally, serving a diverse clientele with tailored, energy-efficient solutions.

Renowned for his innovative approach, Alain has positioned 2CRSi to compete with major industry players by offering bespoke products that deliver superior speed and performance while reducing energy consumption.

Under Alain's guidance, 2CRSi has achieved significant milestones:

- Strategic Growth:** The company has secured substantial contracts, including a notable \$610 million agreement with a major U.S. client, demonstrating its capability to meet large-scale demands.

- Market Differentiation:** By focusing on customized, high-efficiency servers, 2CRSi differentiates itself from generalist competitors, catering to the burgeoning demand driven by advancements in Artificial Intelligence and other data-intensive applications.

- Sustainability Commitment:** Emphasizing eco-responsibility, the company's products are designed to minimize environmental impact, aligning with the increasing market shift towards sustainable technology solutions.

The global IT infrastructure market is experiencing robust growth, with a heightened focus on energy-efficient and high-performance computing solutions. 2CRSi, under Alain's leadership, is well-positioned to capitalize on these trends, presenting compelling opportunities for investors interested in innovative technology ventures with a strong commitment to sustainability.



## THE TEAM – Power Plant Director



**David B. Shaffer** is a seasoned energy executive and entrepreneur with over 45 years of experience in the energy industry. He holds multiple U.S. and international patents related to renewable energy and biomass fuel production. His expertise spans project development, financing, regulatory compliance, and operational leadership across biomass, solar, and nuclear energy sectors.

- **Georgia Renewable Power (2012 – 2020)** President & COO, leading the \$515M development and construction of two 65MW biomass power plants, securing long-term PPAs, interconnection agreements, and financing.
- **Shaffer Management and Consulting (2007 – 2012)** Provided strategic consulting for major energy projects, including the €200M Mayo Renewable Power plant in Europe.
- **PSEG Nuclear & GPU Nuclear (1979 – 1989)**  
Early career roles in nuclear plant commissioning, testing, and post-accident cleanup at Three Mile Island.

### **Expertise & Innovations:**

- Renewable Energy & Biomass Power
- Biochar Production & Pyrolysis Technology
- Project Development & Financing
- Regulatory & Environmental Compliance
- Business Development & Strategic Growth

David B. Shaffer is at the forefront of sustainable energy solutions, leveraging cutting-edge technology to drive environmental and economic benefits. His work in biochar and biomass energy positions him as a key player in the future of clean energy investments.



## THE TEAM – Capital Markets Director



**Willam 'Sandy' Goodman** - After 30 years in the institutional bond business, he launched his own Placement Agency, focused solely on impact investments.

- **Impact Capital Partners (2020 - Present)** Founder & Managing Partner. Providing investors with investment options that seek systemic change and drive economic, social and environmental change.
- **TriLinc Global (2017-2019)** Managing Partner, Institutional Sales. Responsible for raising \$125 million in TriLinc's institutional, emerging market, private credit, impact funds.
- **Western Asset Management (1995 - 2014)** Client Service Executive - Head of Endowments, Foundations & Healthcare channel. Responsible for fund raising and managing clients who aligned their guidelines and investments with their beliefs.

### Regulatory Licenses

- Registered Representative of Finalis Securities LLC
- Financial Industry Regulatory Authority (FINRA)
  - Series 3 - National Commodities Futures
  - Series 6 - Investment Company & Variable Products
  - Series 63 - Uniform Securities Agent State Law



Thank you for your time

