The Stakeholder

By Intellistake | CSE: ISTK | OTC: ISTKF

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"AI Compute Will Move To Space"

- Elon Musk

Elon Musk Says AI Compute Will Move To Space — It's Already Beginning

The AI space race is happening — and it's moving faster than you think.

The AI boom everyone's talking about is now colliding with physics: power, cooling, and footprint. That collision is why the "AI in space" idea is no longer just futurist talk — it's becoming an engineering roadmap.

The surge in AI adoption has triggered unprecedented demand for computing power, placing severe strain on electricity grids and the infrastructure required to support them.

Power is the biggest pressure point. AI workloads are energy-intensive, and demand is reaching levels that existing grids were never designed to handle.

The breaking points are severe and imminent. Power demands are approaching overload. And as compute density increases, the problem compounds.

More power means more heat, and cooling advanced AI systems on Earth requires enormous amounts of additional energy.
According to the International Energy Agency, global data center electricity consumption could double by 2026, with AI-specific workloads driving the majority of growth.[3]

Musk stated that targeting 200-300 GW of continuous power output annually for AI would require massive power plants. While many such projects are already planned or under construction, most will take years to come online.

At the same time, the physical footprint required to house these facilities is becoming harder to secure. Traditional facilities require massive cooling systems, proximity to power sources, and favorable regulatory environments — all finite resources.

This isn't a future problem. It's happening now, with no terrestrial solution in sight.

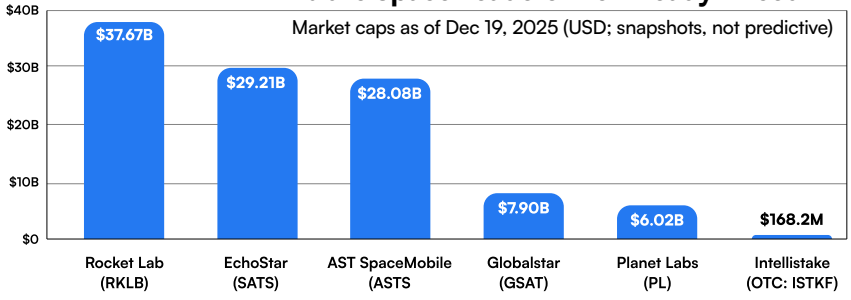
Public markets have already assigned tens of billions in market cap to space-related infrastructure — the question is where the next layer of the stack gets built.

At the U.S.-Saudi investment forum in November 2025, Elon Musk put it bluntly:
"My estimate is that the cost of electricity, the cost effectiveness of AI in space will be overwhelmingly better than AI on the ground... I think even perhaps in the four- or five-year timeframe, the lowest cost way to do AI compute will be with solar-powered AI satellites."[1]

He's not alone in recognizing the problem. NVIDIA CEO Jensen Huang has acknowledged that demand for AI compute infrastructure far exceeds current supply capacity, with data centers struggling to keep pace with exponential growth in AI workloads.[2]

Similar skepticism once surrounded private space infrastructure. In August 2008 — after SpaceX's third Falcon 1 failure — Nature ran a blunt headline:

Public Space Leaders Are Already Priced In



Market caps are point-in-time snapshots. Smaller market caps can imply higher volatility and liquidity risk.

Infrastructure Positioning in Space-Based AI

"There is no way you are building power plants at that level," Musk explained. "If you take it up to say, a terawatt of continuous power, impossible. You have to do that in space."

"Falcon 1 blows it again."

Years later, Musk recalled SpaceX had "virtually no money," and that a fourth failure would have been "absolutely game over."

That's the pattern with infrastructure shifts: before the world calls them inevitable, they look fragile. And in SpaceX's case, the "belief phase" was mostly private — the public market couldn't really participate early.

Today, a different physical constraint is emerging — the ability to power and cool AI infrastructure at scale. The companies recognizing this shift are already moving: securing positions in the infrastructure layers that will support large-scale AI deployment.

While major technology companies announce space-based AI initiatives, one publicly traded company has already begun taking concrete steps toward building the underlying infrastructure.

Intellistake Technologies Corp. (OTCQB: ISTKF) is a developer of decentralized AI and blockchain infrastructure. The company recently announced a partnership with Orbit AI, a Singapore-based aerospace company developing the Orbital Cloud - and has now begun executing on that relationship.[5]

In December 2025, Orbit AI successfully launched Genesis-1, its first Orbital Cloud satellite, designed to move AI compute, connectivity, and verification directly into low-Earth orbit.

Genesis-1 reached orbit on its first launch, unlike early private launch programs that required multiple attempts.

At the same time, Intellistake completed a $500,000 strategic equity investment in Orbit AI, securing an ownership position under a collaboration framework signed earlier in the year.

The Orbital Cloud represents the world's first integrated AI-enabled satellite network combining:

- ***DeStarAI:* NVIDIA-powered AI computing in orbit**
- ***DeStarlink:* Decentralized global satellite communications**
- ***Blockchain verification layer:* Intention to be provided by Intellistake**

Intellistake intends to focus on the trust layer within this system. That's the validator and node infrastructure allowing satellites to authenticate data independently, coordinate AI workloads across the network, and maintain transparent, tamper-proof operations without reliance on centralized ground-based systems.[5]

According to Gus Liu, Co-Founder of Orbit AI: "The Orbital Cloud depends on blockchain infrastructure that can function autonomously and securely in orbit. Intellistake's validator and verification technology completes the trust layer of our architecture."[5]

Jason Dussault, CEO of Intellistake, stated: "You don't often get the chance to work on something that's truly never been done before. Partnering with Orbit AI opens the door to an entirely new frontier — one where AI, data, and trust can operate seamlessly in space." Intellistake is now working toward including its blockchain-verification payload on the next mission scheduled for Q1 2026 (subject to final engineering and regulatory approvals).[5]

Orbit AI plans to expand its constellation beginning in 2026, with larger-scale deployments continuing through 2028–2030.

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The Solution:

Space Data Centers: $1.77B Today, And Potentially $39B By 2035

When public "space" is already priced at scale, the real question becomes 'Which enabling layers are still early?'

Space isn't just an alternative location for AI infrastructure, its actually uniquely suited to support it.

As Elon Musk has explained:

"In space, you have got continuous solar, you actually do not need batteries because it is always sunny in space, and the solar panels actually become cheaper because you do not need glass or framing and the cooling is just radiative."

In other words, the very limitations that restrict AI on Earth - power, cooling, and physical space - are structurally different in orbit.

Satellites placed in the right orbit can generate up to 8 times more power than ground-based solar panels, operating in near-continuous sunlight.[6] Without atmospheric interference or day-night cycles, energy production is perpetual. Cooling is equally transformative. In the vacuum of space, heat dissipates radiatively rather than through energy-intensive mechanical systems.

NVIDIA CEO Jensen Huang has noted that nearly the entire mass of today's advanced AI racks, roughly 1.95 tons out of 2 tons, is devoted to cooling infrastructure. Removing that burden fundamentally changes the economics of mass-scale AI deployment.

Space-based infrastructure also eliminates terrestrial constraints entirely. There are no zoning restrictions, no land shortages, and no need to site facilities near overburdened power grids. And for globally distributed networks, orbital systems can ultimately process data closer to where it is generated, reducing latency for worldwide applications. This is no longer distant speculation. While new technologies always carry technical and financing risks, early deployments are now demonstrating proof of concept.

Google announced Project Suncatcher in November 2025 — an initiative exploring space-based computing infrastructure for AI workloads using its Tensor Processing Units (TPUs). The company plans to launch two prototype satellites by early 2027 in partnership with Planet Labs.[6]

Microsoft and Amazon have disclosed research partnerships examining orbital data processing. Startup Starcloud, partnering with NVIDIA, launched its first satellite featuring an H100 chip.[7]

According to The Business Research Company, the orbital infrastructure market is projected to grow from $13.5 billion in 2024 to $21.3 billion by 2029,[8] while the in-orbit data centers market could expand from $1.77 billion in 2029 to $39.1 billion by 2035.[9]

The trajectory is clear: major technology companies are actively pursuing space-based AI infrastructure. But large organizations are often constrained by their own scale. Early progress is often driven by more focused, agile companies willing to operate at the edge of new technologies.

This is where Intellistake is positioning itself. By building decentralized verification and trust infrastructure designed to operate autonomously in orbit, the company is addressing a structural requirement for space-based AI systems.

Renderings of proposed satellite for demonstration purposes. Not actual image.

Centralized vs *Decentralized*

A critical question emerges: should space-based AI be controlled centrally, or distributed across independent nodes?

Centralized space infrastructure means:

- Single point of failure: If one satellite or station malfunctions, the entire network could fail.
- Corporate control: One entity decides access, pricing, and operational parameters.
- Vulnerability: Attacks, technical failures, or corporate decisions can compromise the entire system.
- Limited redundancy: Backup systems must be built and maintained by the same centralized operator.

Decentralized space infrastructure offers:

- Distributed resilience: Multiple independent nodes mean no single failure compromises the network.
- No monopoly control: Access and operations aren't dictated by one corporation or government.
- Built-in redundancy: Each node strengthens the network rather than creating dependency.
- Transparent verification: Blockchain-based systems allow independent validation of data and transactions.

Why Distribution Is Even More Critical In Space

Centralized architectures concentrate risk. A single failure, policy decision, or technical vulnerability can affect an entire network.

In space, where repair, redundancy, and intervention are inherently more complex, those risks are amplified.

Industry leaders have voiced concerns about AI concentration. OpenAI CEO Sam Altman has cautioned that allowing a small group to control the future of AGI could have negative consequences.[10]

Elon Musk has similarly warned that the race to develop increasingly powerful AI systems is becoming "out of control."[11]

As Forbes reported, decentralized AI is emerging as a way to distribute control more broadly and reshape the underlying infrastructure of the AI economy.[12]

This is where Intellistake's validator infrastructure is intended to be key. In a distributed space-based AI network, the blockchain verification layer is designed to ensure no single entity controls the trust mechanism — making the system more resilient, transparent, and democratic.

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The 'Picks and Shovels' Behind AI Infrastructure

As artificial intelligence and blockchain sees wider adoption, a new layer of infrastructure is emerging behind the scenes — responsible for securing, verifying, and coordinating AI systems at scale. Intellistake operates at that layer.

Rather than building AI models or consumer applications, Intellistake focuses on the systems that help decentralized AI networks run reliably — on Earth and now, increasingly, in orbit. For investors, this provides access through a publicly traded company, without the operational complexity typically associated with blockchain or digital assets. That means:

No crypto accounts.

No wallet management.

No technical overhead.

Exposure is available through standard brokerage accounts, offering access to the infrastructure designed to support decentralized AI. The company has also been included in the CSE 25 Index, reflecting its growing profile within the public markets.

Footnotes and disclaimer

1. https://www.tomshardware.com/tech-industry/artificial-intelligence/spacex-ceo-elon-musk-says-ai-compute-in-space-will-be-the-lowest-cost-option-in-5-years-but-nvidias-jensen-huang-says-its-a-dream
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There has been significant volatility in digital assets and their value can decline rapidly, which in turn would lead to a decline in the stock price of companies holding digital assets. Intellistake is a start-up that does not have the same access to capital as other larger more established companies.
Intellistake is reliant on Orbit AI for the financing and technical execution of the planned satellite launches. Intellistake's involvement is limited to providing the validator and node infrastructure. The amount of any future revenues or benefits that may accrue to Intellistake has not yet been determined.
This report contains "forward-looking information" concerning anticipated developments and events related to the Company that may occur in the future. Forward looking information contained in this report includes, but is not limited to, all statements in respect of the Company's growth and development, the operations and business segments of the Company, support for decentralized AI and blockchain networks, the details of the collaboration with Orbit AI and its expected benefits; the Company's contributions towards the collaboration with Orbit AI; the timelines for Orbit AI's operation; and Intellistake's strategy to support tokenized, decentralized AI infrastructure.
In certain cases, forward-looking information can be identified by the use of words such as "expects", "intends", "anticipates" or variations of such words and phrases or state that certain actions, events or results "may", "would", or "might" suggesting future outcomes, or other expectations, assumptions, intentions or statements about future events or performance. Forward-looking information contained in this report is based on certain assumptions regarding, among other things, the Company and Singularity Venture Hub ("SVH") are satisfied with their respective due diligence; the Company and SVH enter into a definitive agreement for the transaction; the Company and SVH satisfy all conditions necessary to close the proposed transaction; the Company will continue to have access to financing until it achieves profitability; the Company is able to raise sufficient financing to complete the announced investment into Orbit AI; obtaining the necessary regulatory approvals; the technology and blockchain industries in which the Company intends to focus its business in will grow at the rate and in the manner expected; the ability to attract qualified personnel; the success of market initiatives and the ability to grow brand awareness; the ability to distribute Company's services; the Company creates strategies to mitigate risks associated with cryptocurrency price fluctuations; the Company and SVH remain compliant with all applicable laws and securities regulations and applicable licensing requirements; the Company engages and collaborates with local experts, as necessary, to address jurisdiction-specific matters and ensures compliance with foreign regulations to avoid penalties; the Company addresses any potential cybersecurity threats promptly and effectively; the ability of the Company to develop its technology, acquire customers and have revenue; the ability to successfully deploy the new business strategy as a result of the change of business. While the Company considers these assumptions to be reasonable, they may be incorrect.
Forward looking information involves known and unknown risks, uncertainties and other factors which may cause the actual results to be materially different from any future results expressed by the forward-looking information. Such factors include risks related to general business, economic and social uncertainties; the Company fails to raise sufficient financing to complete the announced investment into Orbit AI; Orbit AI is unable to raise sufficient financing to complete its launch of satellites on the timelines proposed or at all; technical risks associated with Orbit AI's planned operations; failure of the Company and SVH enter into a definitive agreement for the transaction; failure of the Company and SVH to satisfy all conditions necessary to close the proposed transaction; failure to raise the capital necessary to fund its operations; inability to create strategies to mitigate the risks associated with cryptocurrency price fluctuations; the costs of regulation in the digital asset industries increase to the extent that the Company is no longer generating sufficient returns for shareholders; failure to promptly and effectively address cybersecurity threats; insufficient resources to maintain its operations on a competitive basis; and the actual costs, timing and future plans differs expectations; legislative, environmental and other judicial, regulatory, political and competitive developments; the inherent risks involved in the cryptocurrency and general securities markets; the Company may not be able to profitably liquidate its current digital currency inventory, or at all; a decline in digital currency prices may have a significant negative impact on the Company's operations; the Company's success may depend on the continued involvement of key personnel, including advisors, whose involvement cannot be guaranteed; institutional adoption of decentralized AI infrastructure remains uncertain and may not occur at the pace or scale anticipated; evolving regulatory frameworks, including those related to AI (such as Canada's proposed Artificial Intelligence and Data Act), may impose additional compliance burdens or restrict certain business activities; valuation figures are based on publicly available market data and internal assessments at the time of the referenced transactions and may not reflect current or future valuations; the volatility of digital currency prices; the inherent uncertainty of cost estimates and the potential for unexpected costs and expenses, currency fluctuations; regulatory restrictions, liability, competition, loss of key employees and other related risks and uncertainties; delay or failure to receive regulatory approvals; failure to attract qualified personnel, labour disputes; and the additional risks identified in the "Risk Factors" section of the Company's filings with applicable Canadian securities regulators.
Although the Company has attempted to identify factors that could cause actual results to differ materially from those described in forward-looking information, there may be other factors that cause results not to be as anticipated. Readers should not place undue reliance on forward-looking information. The forward-looking information is made as of the date of this report. Except as required by

How Intellistake Is Building This Exposure

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Intellistake's AI infrastructure stack is organized around three complementary pillars:

Validator and Network Infrastructure

Intellistake operates validator infrastructure on decentralized AI networks, including within the Artificial Superintelligence (ASI) Alliance ecosystem.
As its footprint expands, the company is increasingly referenced by third parties as part of the infrastructure layer. Intellistake has also appointed Dr. Ben Goertzel, founder of the ASI Alliance, as Special Advisor to the CEO.

Enterprise AI Software and Deployment

Alongside infrastructure operations, Intellistake is developing applied AI tools for institutional use. The IntelliScope platform is designed to help organizations interact with decentralized AI systems through familiar enterprise workflows, including an Enterprise AI Agent Hub deployment announced with PowerBank in 2025.

Ecosystem Access, Treasury, and Tokenization

Intellistake has secured an exclusive partnership with Singularity Venture Hub and has signed a letter of intent to acquire the platform. This expands the company's capabilities in ecosystem access, treasury management, and the structuring of AI-native assets within regulated markets, subject to applicable laws, approvals, and execution.

The transition toward decentralized AI infrastructure is likely to be incremental and technically complex. Rather than trying to predict how AI systems will ultimately be deployed, Intellistake is positioning itself among the companies developing the underlying infrastructure these systems will rely on.

For investors researching how AI infrastructure is being built and secured at scale, Intellistake Technologies Corp. (OTCQB: ISTKF) represents a framework worth examining more closely. Details are available upon request today.

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Before the Rumored Record-Breaking $1.5 Trillion SpaceX IPO; One Small-Cap Is Already Trading...

Musk's five-year call. Google's 2027 prototype plan...
Space-AI infrastructure is being built now!