

BI-WEEKLY

NEWSLETTER

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RSI

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Global News, financial analyses, data center related laws & regulations and further latest updates about technologies transforming the data center industry.

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Space-Based Data Centers: A Long-Term Vision, Not an Immediate Reality

As terrestrial data centers grapple with severe power grid constraints and lengthy local connection timelines, the industry is increasingly looking to the skies. Tech pioneers like SpaceX and Blue Origin are actively planning solar-powered orbital networks to leverage unlimited space-based solar energy and entirely bypass land-use bottlenecks.

However, commercial viability remains a long-term play. A recent JLL report notes that orbital computing will complement Earth-based facilities rather than replace them, likely accounting for just 5% to 10% of total capacity within a decade. Due to communication delay limits, space infrastructure is best suited for energy-heavy, latency-insensitive workloads like AI training. Before orbital facilities become cost-competitive, launch costs must drop significantly (ideally below \$500 per kilogram), alongside solving major technical hurdles like cosmic radiation, space debris, and extreme cooling requirements.

Source: [Data Center Knowledge](#), June 16th, 2026

Digital Realty Acquires Blackstone's Stake in Northern Virginia Data Centers

Digital Realty has agreed to acquire Blackstone's 80% ownership interest in three hyperscale data center campuses in Northern Virginia for approximately US\$7.8 billion, increasing its ownership from 20% to 100%. The transaction includes completed facilities and land supporting future expansion, strengthening Digital Realty's position in one of the world's largest data center markets. The acquisition aligns with the company's long-term strategy to meet growing demand for AI, cloud computing, and digital infrastructure. Full ownership will provide Digital Realty with greater operational flexibility, development control, and the ability to capture future growth opportunities. The deal also reflects continued investor confidence in hyperscale data centers as demand for high-capacity digital infrastructure accelerates globally, particularly in regions with strong cloud and AI adoption.

Source: [Blackstone](#), June 29th, 2026

AI Humanizers Improve Readability but Cannot Replace Authentic Writing

The rise of "AI humanizers"—software engineered to modify text to bypass automated detection—reflects growing professional anxiety over content visibility and critical search engine optimization strategies. Rather than simply swapping synonyms like basic digital paraphrasers, these tools manipulate complex statistical patterns, adjusting word predictability and sentence structures.

While widely used to optimize readability and dodge penalties, humanizers present a core challenge regarding authenticity. Genuine writing relies on distinct human nuances, personal experiences, and highly unique narrative voices that mathematical models can only simulate.

For modern corporate business operations, relying on automated smoothing remains a double-edged sword. While it accelerates high-volume documentation, it risks diluting a firm's true technical authority. Ultimately, maintaining client trust and strong brand positioning requires human-led oversight, critical curation, and authentic execution across all communication channels to build long-term market value. As digital ecosystems evolve, striking the right balance between machine efficiency and genuine human insight will separate true industry leaders from the noise.

Source : [Forbes](#), June 24th, 2026

Research Spotlight: Space Data Centers Could Transform Future Wireless Networks

A recent research paper explores how space data centers (SDCs) could reshape next-generation wireless communications by integrating computing, storage, and AI processing in orbit. Unlike conventional satellites, SDCs can process large volumes of data closer to its source, reducing latency, improving network efficiency, and easing the burden on terrestrial infrastructure. The study suggests that SDCs could support emerging applications such as 6G, global connectivity, AI-driven services, and real-time data processing. However, significant technical challenges remain, including high deployment costs, energy management, thermal control, hardware reliability, and coordination between space and ground networks. While still at the research stage, space data centers represent a promising long-term approach for extending computing capabilities beyond Earth and enabling future communication systems.

Source: [arXiv Research](#), June 11th, 2026

Equinix, Cisco, and NVIDIA Launch Global Secure AI Factories and Testing Hub

Equinix has expanded its collaboration with Cisco and NVIDIA to deploy the Cisco Secure AI Factory with NVIDIA across its global high-performance data center footprint. This initiative provides enterprises with standardized blueprints and automation to simplify the deployment of advanced AI hardware and software. By leveraging Equinix's specialized power, advanced cooling, and high interconnection density, the architecture enables secure, scalable, and hybrid AI workloads.

Additionally, Equinix partnered with Presidio to introduce the Programmable AI Technology Hub (P.A.T.H.) Lab. This production-grade, colocation-based environment allows enterprises to securely test, validate, and optimize their distributed AI strategies. Together, this ecosystem accelerates the enterprise shift from experimental AI pilots to full-scale production while maintaining strict data sovereignty.

Source: [EQUINIX](#), June 16th, 2026

U.S. AI Growth Triggers Surge in Renewable Infrastructure and Grid Siting

The exponential scaling of generative AI, high-performance cloud computing, and advanced digital services is triggering an unprecedented surge in power demand across the United States. To secure the massive, uninterrupted electricity required to sustain next-generation AI workloads without compromising strict corporate sustainability commitments, data center operators have emerged as the primary funding engines driving the 2026 renewable energy boom.

This infrastructure rush is heavily concentrated within core global digital corridors across Texas, Virginia, Arizona, Ohio, and Georgia. To guarantee 24/7 power availability and insulate fragile

regional utility networks from peak-load strain, technology giants are locking in capital-intensive, long-term power purchase agreements (PPAs). These deals are accelerating the deployment of massive co-located projects that tightly bundle utility-scale solar farms directly with large-scale battery energy storage systems (BESS). Combined with smart grid modernization, these integrated clean energy strategies are definitively reshaping the American utility landscape, making sustainable generation a baseline requirement for modern data center design, consulting, and operational services.

Source: [SolSetu](#), June 24th, 2026

Regulatory Shift: Japan Proposes Easing Building Standards for AI-Era Data Centers

On June 29, 2026, Japan's regulatory reform panel called for a sweeping relaxation of data center building and safety standards to accelerate national artificial intelligence infrastructure. In response, Prime Minister Sanae Takaichi pledged that the government will aggressively reform regulations to align with the AI era. A primary focus is the classification of lithium-ion batteries—vital for ensuring stable, uninterrupted backup operations. Currently regulated as hazardous materials under legacy fire service and building laws, these strict limitations make high-density installations difficult. The panel urged the government to exclude lithium-ion batteries from these restrictions by introducing modernized, asset-specific safety standards. Additionally, the proposal recommended legislative revisions to permit full-scale demonstration tests for physical AI, such as walking robots designed to alleviate severe domestic labor shortages. For data center consultants and operators, these upcoming framework adjustments will significantly streamline facility deployment across Japan.

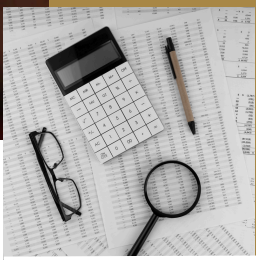
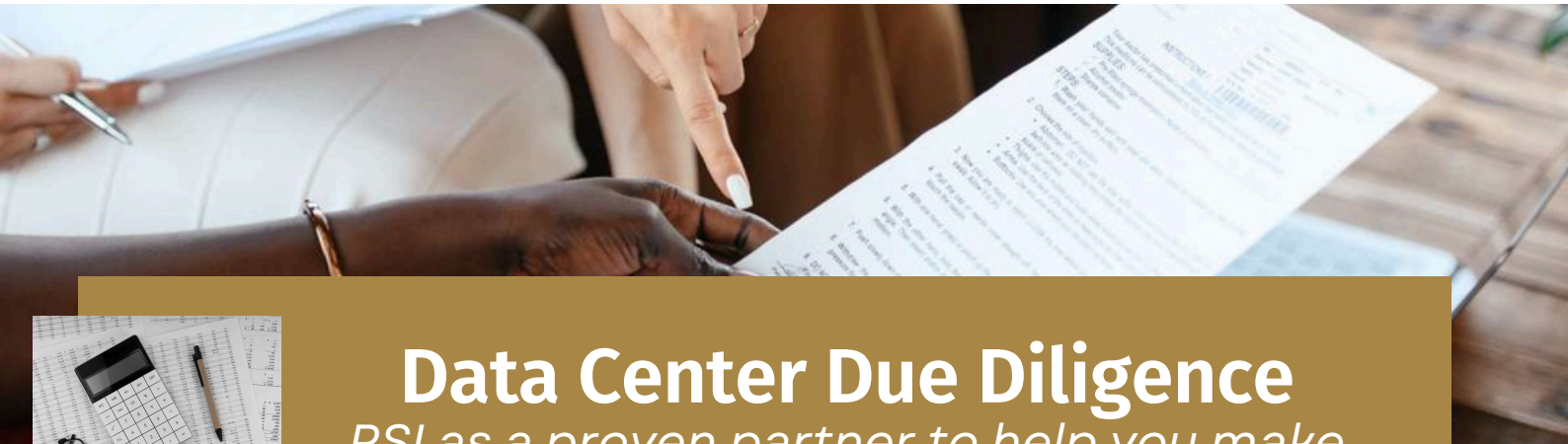
Source: [The Japan Times](#), June 29th, 2026

Micron Achieves Record FQ3 2026 Results Driven by AI Infrastructure Surge

Micron Technology reported record financial results for its third quarter of fiscal 2026, driven by soaring global demand for memory in the AI era. Quarterly revenue surged to \$41.46 billion, a massive jump from \$23.86 billion in the previous quarter and \$9.30 billion in the same period last year.

GAAP net income reached \$28.24 billion, supported by exceptional expansion in the Cloud Memory and Core Data Center business units, which posted operating margins of 78% and 83% respectively. Capital expenditures totaled \$7.1 billion as Micron aggressively expands technology, products, and supply. Notably, high-volume shipments of next-generation HBM4 architectures have commenced to meet the strict hardware requirements of lead hyperscale AI platforms. Backed by multi-year Strategic Customer Agreements, Micron issued a strong fourth-quarter revenue guidance of \$50.0 billion ($\pm$ \$1.0 billion).

Source: [Micron](#), June 24nd, 2026



Data Center Due Diligence

RSI as a proven partner to help you make informed investment decisions

RSI provides a proven strategy for business success by thoroughly evaluating all aspects of your Data Center Due Diligence projects, from the proposed land to the existing facility, to assess its asset value. The condition of buildings and facilities, and the local land characteristics are

essential in deciding whether to add it to the portfolio as an investment. RSI's experienced Staffs can assist potential investor and seller with land and facility due diligence for data centers and data center evaluation while developing a long-term business strategy.

RSI Data Center Due Diligence

RSI support for due diligence is widely demanded by professionals in various range of industries, including but not limited to data center provider companies, real estate investment companies, and major construction companies. We help them maximize results for their business. Most (but not all) of our clients' demands for data center due diligence support are as follows:

- Data Center Asset Evaluation
- Facility Standards Assessments
- PUE calculation support
- Design, supervision, and site verification
- Due diligence of real estate and proposed land acquisitions
- Due diligence of existing data centers

What RSI has to its credit

RSI has successfully achieved various projects in Data Center Due Diligence. It has indeed supported numerous global companies while applying recognized Japan and global standards and methods in all aspects of site due diligence, data center evaluation as well as facility due diligence.

RSI work consists namely of an in-depth analysis of various aspects of the projects, highlighting potential risks and proposing efficient risks mitigation or, when applicable, risks elimination, while evaluating the matching between the potential deal and the client's portfolio.

For further scope of services provided by RSI, please reach out to us with your inquiry at the contact information depicted below.

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