

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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NOKIA Launches AI-Era Data Center Automation Platform

Nokia has launched its Event-Driven Automation (EDA) platform, designed for the AI era, to modernize data center network operations. Built on Kubernetes, the platform offers simplified, reliable, and adaptable lifecycle management, reducing human error and operational effort by up to 40%. EDA addresses challenges in automation adoption, such as complex legacy systems and lack of trust, by offering multi-vendor integration, observability, and a low-code/no-code interface. It features integrated digital twin technology, pre and post-deployment checks, and supports cloud-based and on-premise subscription models. Nokia's platform aims to enhance automation, reducing network disruptions, and is part of its broader portfolio for webscale and enterprise organizations. This platform further extends Nokia's innovation by ensuring seamless scalability for modern data centers, positioning it as a key player in AI-driven network automation solutions.

Japanese scientists develop cheaper and more energy efficient EUV lithography technology

Japanese scientists at the Okinawa Institute of Science and Technology (OIST), led by Professor Tsumoru Shintake, have developed a more cost-effective and energy-efficient EUV lithography technology. Their method uses smaller EUV light sources and only two mirrors, reducing costs and power consumption to less than one-tenth of conventional machines. This innovation could significantly lower the cost and energy use in semiconductor chip production. Additionally, the compact design simplifies the manufacturing process, potentially accelerating the rollout of advanced chips. The technology also addresses a key bottleneck in scaling up chip production.

Source: [Yahoo Tech](https://www.yahoo.com/tech), August 06th, 2024

Source: [Nokia](https://www.nokia.com) September 11th, 2024

01/05

AIMS launches data center in Kuala Lumpur, Malaysia

AIMS Group has launched a new 7.5MW data center, Bangunan AIMS, in Kuala Lumpur, Malaysia, offering up to 20kW per rack. The facility, located near the existing AIMS data center, was previously the Bangunan KWSP building and was targeted for completion in May 2023. The facility is energy-efficient, uses hydroelectric renewable energy credits, and offers 100% infrastructure uptime. The CEO expects it to be fully occupied by year-end. Additionally, the data center has been designed with scalability in mind to accommodate future growth.

Source : [Datacenterdynamic](#), July 2nd, 2024

NTT to develop 500MW data center campus on former Army base outside Frankfurt

NTT Global Data Centers is planning a significant expansion in Nierstein, Germany, with a large data center campus on a former US Army base. The project, which represents an investment of around €5 billion (\$5.9bn), could potentially offer a capacity of over 500MW across 70 hectares. This development is part of NTT's global strategy to enhance its data center capabilities. More details are expected to be released by the end of the year. The facility is expected to cater to growing demand from hyperscalers and enterprise clients in the region. It will also emphasize sustainability, incorporating green energy solutions and efficient cooling technologies.

Source : [Datacenterdynamic](#), July 26th, 2024

China to launch satellite constellation to rival Musk's Starlink - report

China is preparing to launch its first satellites for a mega constellation, "Thousand Sails," to rival SpaceX's Starlink. Shanghai Spacecom Satellite Technology (SSST) initiated the project with the launch of 18 satellites from the Taiyuan Satellite Launch Centre in Shanxi. SSST plans to deploy 108 satellites this year and 648 by 2024, with a goal of 15,000 satellites by 2030. The constellation aims to provide global Internet coverage by 2027. This is part of China's larger goal to deploy 51,300 satellites, surpassing SpaceX's target of 42,000 by 2027. Chinese military researchers have studied Starlink's role in Ukraine, raising concerns about its potential military use.

Source: [Datacenterdynamics](#), August 07th, 2024

Goldman Sachs : \$1tn to be spent on AI data centers, chips, and utility upgrades, with "little to show for it so far"

Goldman Sachs predicts a massive \$1 trillion investment in AI infrastructure, spanning data centers, semiconductors, and grid upgrades. Despite this, the financial impact of generative AI remains uncertain. While tech giants increase capital expenditure for AI development, sustainable business models have yet to emerge. Investors remain cautious as the tangible returns from these investments are still unclear. The report also highlights that much of the capital spent so far has gone towards speculative growth, with immediate profitability not yet realized. However, the potential long-term benefits of AI continue to drive investment.

Source: [Datacenterdynamics & Goldman Sachs](#), July 09th, 2024

Amazon signs 9.5MW solar PPA in Japan

Amazon has signed a Power Purchase Agreement (PPA) with Eneos Renewable Energy Corporation to procure solar power from a 9.5MW plant in Kudamatsu City, Japan, set to start operations in November 2025. This solar farm is expected to generate 20,000MWh annually. Amazon, already the largest corporate buyer of renewable energy in Japan, has invested in 20 solar projects. AWS, having launched its first Japan cloud region in 2011, plans to invest \$15.24 billion by 2027 in expanding its cloud infrastructure. Amazon has previously signed solar PPAs with Itochu and Mitsubishi. Eneos, founded in 2012,

has 1.2GW of installed capacity and is owned by Eneos Holdings and Sumitomo Mitsui Trust Bank. Despite Amazon's claims of offsetting all its operations with renewable energy, some critics accuse the company of greenwashing. Amazon's focus on solar energy in Japan aligns with its global sustainability goals. The Kudamatsu project will help the company further reduce its carbon footprint in the region. This agreement highlights Amazon's continued commitment to renewable energy and infrastructure expansion.

Source: [Datacenterdynamics](#), August 13, 2024

MC Digital Realty Wins Frost & Sullivan's 2024 Japan Data Center Award

MC Digital Realty, a joint venture of Digital Realty and Mitsubishi Corporation, has received Frost & Sullivan's 2024 Company of the Year award for Japan's data center services industry. Recognized for its sustainable, AI-optimized data centers, the company provides advanced infrastructure tailored for AI innovation, including flexibility for model training and real-time inferencing, along with liquid cooling systems. Committed to sustainability, MC Digital Realty uses 100% renewable energy for its colocation facilities. The award highlights the company's operational excellence, resilient data centers in low-seismic regions, and partnerships that align with evolving customer needs. Digital Realty's global PlatformDIGITAL® enhances customer access to extensive cloud and network services, supporting AI advancements in Japan.

Source: [Digital Realty](#), September 27th, 2024

Plans filed for 202MW data center campus in Sydney, Australia

A new data center campus, with a total capacity of 202MW, is being planned in Sydney, Australia. The campus will consist of three five-story buildings named DC01, DC02, and DC03, covering a total area of 53,750 sqm. Each building will have specific capacities with DC01 and DC03 having 79MW each, and DC02 having 44MW. The site will be equipped with 97 generators. This project, linked to Amazon, represents an investment of AU\$2.3 billion (US\$1.5bn) and is set to be located in the Glendenning area of West Sydney. This development signifies a substantial enhancement to the region's digital infrastructure. The site, currently zoned for industrial use, will see the demolition of existing warehouses to make way for the new data center buildings. This development aligns with Amazon's strategy of expanding its cloud services infrastructure in the region.

Source : [Datacenterdynamic](#), July 23th, 2024



RSI's Advisory Services

For those considering data center related new business

Wide variety of industries are beginning to enter and invest in the data center sector

RSI provides advisory services supports for companies eager to invest in a data center related new business. Recently, companies in a variety of industries have shown a growing interest in services for which RSI provides advisory supports, including but not limited to data center investment, land development, and investment in advanced technologies such as high-load servers for generative AI.



Financial

Data Center Related New Business
Business Analysis Support



Real estate

Business Planning Support
Land and Telecom Due Diligence



**Enterprise
Data Center**

Data Center And Rack Design For
High Power Load Generative AI



Construction

Immersion Cooling And Container
Data Center Design And Operations



**Other
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For further information please reach out to us

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