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.

Microsoft Unveils New AI Software, Devices as It Battles Apple, Google

Microsoft has unveiled new AI software and devices, including an AI tool called Copilot and four Surface devices, in a significant move against Apple and Google.

The new Surface Laptop and Surface Pro, powered by Qualcomm's chips, aim to outperform the MacBook Air.

Microsoft's Copilot+ PCs embody its AI-first approach, featuring dedicated NPUs, 16GB RAM, SSD storage, and Qualcomm's chips. This development could lead to further AI advancements and reflect Microsoft's efforts to lead in the AI era.

Source : Bloomberg, May 20th, 2024

NTT Facilities, Inc. has initiated a project on the development of a next generation data center.

The project is designed to promote carbon neutrality and tackle the problem of excessive heat production in data centers by implementing an all-encompassing liquid cooling server system. The objective is to bring this innovative data center, which offers unique value, to fruition by approximately 2030.

The project will advance through stages of technical validation, exploration of waste heat usage techniques, and enhancement of energy-saving performance, all while catering to the requirements of data center operators, including cloud service providers and the NTT Group. The initiative also aims to collaborate with industry partners to set new benchmarks in sustainable data center operations.

Source : NNT-F, May 27th, 2024

Itochu Corporation, KDDI, and others are advancing the commercialization of the Physical Internet, emphasizing optimal routing and efficient base utilization.

Five companies, Itochu Corporation, KDDI, Toyota Industries, Mitsui Fudosan, and Mitsubishi Estate, have agreed to explore the potential of the Physical Internet by 2024. The Physical Internet is a novel delivery system that enhances logistics efficiency by digitally mapping cargo, warehouses, and vehicles, connecting various companies' resources, and determining optimal transportation routes. This method lightens the burden on logistics providers, maximizes resource use, cuts fuel consumption, and helps reduce greenhouse gas emissions.

The goal is to create a new standard service model for logistics. The collaboration aims to revolutionize the logistics industry by leveraging advanced digital technology to streamline operations. By integrating real-time data and predictive analytics, the project seeks to enhance transparency and coordination across the supply chain. This innovative approach not only promises to improve delivery times but also aligns with sustainability goals by promoting eco-friendly practices.

Source : Nikkei, May 28th, 2024

Top US and Chinese officials begin talks on AI in Geneva

U.S. and Chinese officials have begun AI discussions in Geneva, aiming to address risks of advanced AI systems. This is part of an inter-governmental AI dialogue agreed by U.S. President Biden and Chinese President Xi Jinping. The talks aim to foster bilateral dialogue on the impact of rapidly evolving technology. The discussions are seen as a continuation of Cold War-era efforts to prevent nuclear war. Both nations have co-sponsored a UN resolution for responsible AI development. This significant step could lead to further AI advancements and reflects both countries' commitment to managing AI risks and setting shared standards. Additionally, these discussions emphasize the importance of transparency and collaboration in AI research and development.

Source : Apnews, May 16th, 2024

Nvidia AI Chip Supply Is a 'Huge Bottleneck,' EU's Vestager Warns

European Union competition chief Margrethe Vestager has raised concerns about a "huge bottleneck" in Nvidia Corp.'s supply of AI chips. While regulators are still evaluating their response, the surge in demand for Nvidia's graphics processing units (GPUs) has made them a hot commodity in the tech world.

These GPUs are prized by cloud providers for their ability to process vast amounts of information needed for AI models. Despite the supply squeeze, Vestager suggests that secondary markets could foster innovation and fair competition. However, dominant companies like Nvidia may face restrictions on their behavior in the future.

Source : Bloomberg, July 5th, 2024

Meta announces New Data Center, a Major Investment, in Cheyenne, Wyoming

Meta will build an $800 million, 715,000-square-foot data center in Cheyenne, Wyoming, creating around 100 operational and over 1,000 construction jobs. Governor Gordon praised the project for strengthening the local economy and highlighting Wyoming's business-friendly environment. Brad Davis of Meta cited Cheyenne's infrastructure, energy access, and community as key location factors. On 960 acres in the High Plains Business Park, the data center will generate significant tax revenue and achieve LEED Gold certification. Mayor Patrick Collins and Cheyenne LEADS CEO Betsey Hale emphasized job creation and community benefits.

Set to be Meta's 25th data center, it will support AI workloads and enhance services like Facebook and Instagram. Wyoming Business Council CEO Josh Dorrell noted the extensive, multi-year collaboration required for this project, expected to be operational by 2027.

In addition to providing a substantial economic boost, the project reflects Meta's commitment to sustainable development through the use of renewable energy sources. The data center will feature cutting-edge technologies to improve energy efficiency and minimize its carbon footprint.

Source : Cheyenne LEADS, July 2nd, 2024

Google to Invest $2 Billion in Malaysia, Build Data Center

Google plans to invest $2 billion in Malaysia, its largest in the country, to establish its first data center and a Google Cloud hub. This move is part of a broader trend of tech firms expanding in Southeast Asia. The hubs will be in Selangor and aim to meet the growing demand for cloud services and AI literacy programs. This investment will make Malaysia the 12th country to host a Google data center, expected to add $3.2 billion to the economy and create 26,500 jobs by 2030. It also supports the 'Cloud First Policy' of the Malaysian government, emphasizing top-tier cybersecurity standards.

The initiative is also expected to bolster digital infrastructure and foster innovation across various industries in Malaysia, aligning with the country's vision for a digital economy.

Source : Bloomberg, May 30th, 2024

India Needs a Broad Range of Suppliers to Succeed in Chips

India's semiconductor industry, backed by a diverse range of suppliers and extensive expertise, is thriving. Key players include Micron Technologies, AMD, NXP, Samsung, and MosChip, among others. The country also houses chip manufacturing giants like NVIDIA, AMD, Samsung, Intel, Arm, Microchip, and Broadcom. To further stimulate chip manufacturing, the Indian government has launched the $10.2 billion India Semiconductor Mission, aiming to strengthen the sector, projected to be worth $64 billion by 2026. This robust industry is powered by a wide supplier base and government support.

India's strategic investments in semiconductor research and development, coupled with favorable policies, are creating a conducive environment for innovation and growth. This initiative aims to reduce reliance on foreign chips and position India as a key global semiconductor player.

Source : Bloomberg, May 30th, 2024

RSI System Monitoring Support
Highly experienced bilingual staffs available to ensure optimum system performances

Through their bilingual Remote Monitoring Support (RMS) staffs, RSI provides efficient system monitoring supports to help you detect problems quickly so the latter can be addressed before they cause any major damage or disruption in your data center. Because your facilities are important and require special cares, an experienced and proactive monitoring staff will help you maximize up-times, 24 by 7, during daytime or nighttime, whether on weekends or public holidays, regardless the weather conditions.

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- Environmental Conditions (temperature, humidity, airflow)
- Power and Cooling (UPS, PDUs, Backup generators, all cooling systems)
- Physical Security (security cameras, identity and access control, door access)
- Periodic reports and analyses provided

RSI monitoring staff may be dispatched to monitor your systems on-site or remotely based on your specific requirements. When an unexpected event occurs, necessary actions will be promptly taken to mitigate impacts of the issue and reduce downtime.

What makes RSI different

- High quality performance team with bilingual members
- Expertise in the latest IT trends for global well positioned companies
- Long standing relationships with experienced local companies
- Relevant experience with various types of data centers including edge and cloud data centers.

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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