

BI-WEEKLY

NEWSLETTER

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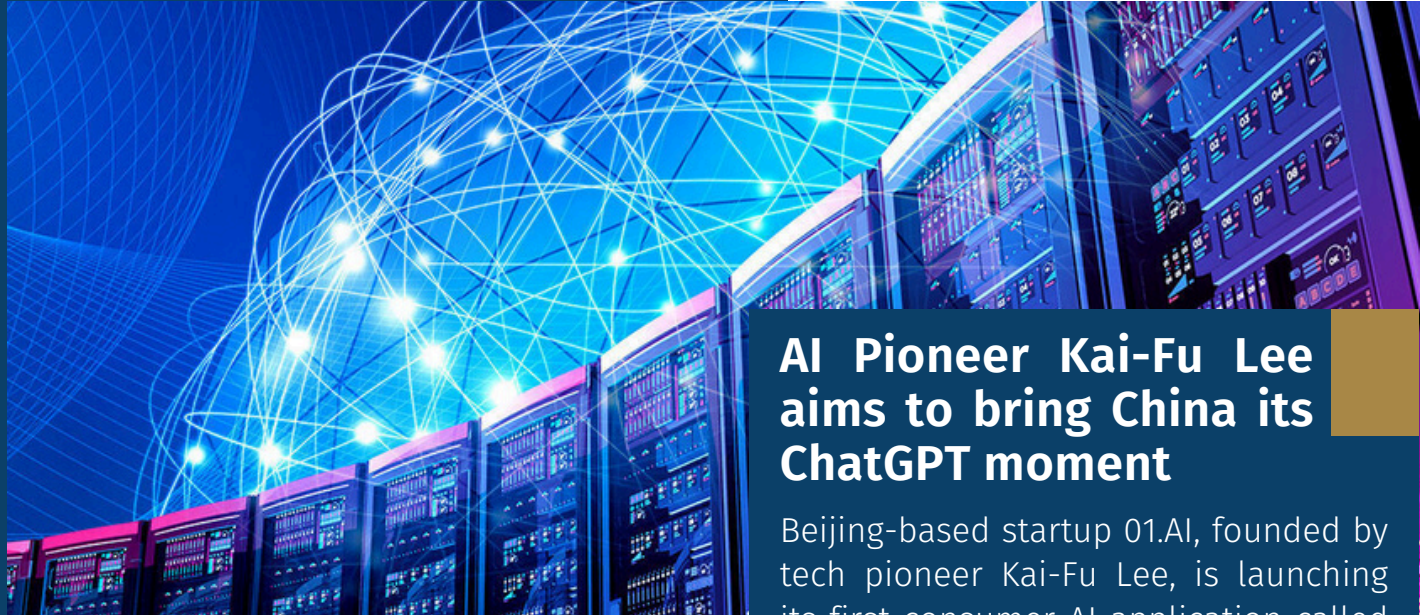
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RSI

Monday, July 29th, 2024

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

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AI Pioneer Kai-Fu Lee aims to bring China its ChatGPT moment

Beijing-based startup 01.AI, founded by tech pioneer Kai-Fu Lee, is launching its first consumer AI application called Wanzhi. Similar to Microsoft's Office 365 Copilot, Wanzhi assists users in creating documents, spreadsheets, and presentations more efficiently. It works in both Chinese and English, aiming to accelerate interest and investment in China's generative AI landscape. While US companies lead in this field, Chinese players like 01.AI, Baidu, and ByteDance are actively developing their own AI models and chatbot services.

Beijing's strict censorship and the Great Firewall create a favorable local market. Additionally, 01.AI's open-source AI model has propelled it to unicorn status, and the firm is introducing a proprietary large language model called Yi-Large for enterprise users.

Source : [Bloomberg](#), May 13th, 2024

Apple to employ AI cloud servers using its own processors

Apple plans to use its own processors for AI cloud servers in a project called ACDC. The goal is to offer cloud-based AI services using Apple's silicon. While on-device processing will be a key feature, more complex tasks will rely on larger server infrastructure. Initially, the AI server chips will be M2 Ultra processors, with plans to upgrade to M4 series chips later. Apple aims to perform simple generative AI tasks on-device and use the cloud for intensive tasks like image generation or composing emails. The Siri voice assistant may also utilize cloud processing, and the company will leverage its own data centers along with third-party centers from partners like Google.

Source : [MacWorld](#), May 9th, 2024

01/05

NEC launches two data centers in Kanagawa and Kobe, Japan



NEC's Kanagawa Data Center Phase 2 Building - NEC

NEC Corporation has recently inaugurated two new data centers in Kanagawa and Kobe, Japan. These data centers are a part of NEC's strategy to cater to the increasing demand for data centers and are engineered to be powered entirely by renewable energy. The Kanagawa Data Center is set to open in the latter half of 2023, while the Kobe Data Center is slated to commence operations

in the early half of 2024. These data centers are designed to offer high availability, energy efficiency, and connectivity to a variety of cloud services. This initiative aligns with NEC's pledge to minimize greenhouse gas emissions and contribute to a carbon-neutral society.

Source : [Datacenterdynamics](#), May 14th, 2024

Commission establishes AI Office to strengthen EU leadership in safe and trustworthy Artificial Intelligence

The EU has established the AI Office to lead in safe and trustworthy Artificial Intelligence. This office will oversee the AI Act's implementation, regulate AI safety, promote excellence and innovation, and engage internationally. Led by a Head with scientific and international advisers, it will have over 140 staff in technology, law, policy, and economics. The AI Office will ensure coherent AI Act implementation, enforce model rules, and collaborate with Member States. It aims to foster a trustworthy AI ecosystem in the EU, promote research, innovation, and coordinate international strategies. Organizational changes start June 16, with the AI Board's inaugural meeting expected by June's end. Guidelines and AI model codes of practice will follow the AI Act's enactment.

Source : [European Union](#), May 29th, 2024

Prime Data Centers Announces Plans for 40MW Madrid Data Center

Prime Data Centers plans to develop a 40-megawatt hyperscale data center on 7.6 acres in Alcobendas, Madrid. The 26,000 square meter facility will cater to hyperscale cloud and AI power density needs. Alcobendas, chosen for its established data center ecosystem, offers excellent infrastructure and skilled labor.

CEO Nicholas Laag emphasized Madrid's growth potential due to increasing demand and regulatory requirements for in-country data centers. The center will be near key Internet Exchange Points for optimized customer networks. This expansion is part of Prime's strategy, which includes 22 locations in the U.S. and Europe, supporting technological and sustainability goals for data-driven organizations.

Source : [Prime DC](#), May 22nd, 2024

AirTrunk launches TOK2 campus in Tokyo, Japan

AirTrunk has recently inaugurated its second data center in Tokyo, known as AirTrunk TOK2. This large-scale facility boasts an impressive capacity of over 110 megawatts (MW) and spans more than 4.6 hectares in the western part of Tokyo. Positioned strategically, TOK2 serves as a critical cloud availability zone within the Tokyo Prefecture, complementing AirTrunk's existing east Tokyo facility, TOK1. The TOK2 campus was initially announced in May 2022, and construction began shortly thereafter. In its initial phases, the West Tokyo campus provides over 60MW of capacity to cater to AirTrunk's hyperscale anchor customers. Designed for efficiency and rapid deployment, TOK2 ensures reliable service for cloud providers and enterprises.

AirTrunk TOK2 represents a significant addition to Japan's data center landscape, combining capacity, strategic location, and operational efficiency to meet the digital infrastructure needs of the region.

Source : [AirTrunk](#), May 14th, 2024



A rendering of the TOK2 campus - AirTrunk

Data Centers need new metric for energy efficiency

Nvidia contends that the current data center efficiency metric, Power Usage Effectiveness (PUE), falls short when assessing AI workloads. PUE calculates the ratio of total facility power to IT load power, but it overlooks the actual usefulness of servers.

According to Nvidia, modern systems may achieve more work with the same energy input, challenging the assumption that higher wattage implies inefficiency. To address this, Nvidia suggests measuring energy in kilowatt-hours or joules. By emphasizing work per joule, the industry can better evaluate data center efficiency, especially in the context of demanding applications like generative AI.

Source : [Nvidia](#), May 12th, 2024

Microsoft announces significant commitments to enable a cloud and AI-powered future for Thailand

Microsoft announced major commitments to Thailand, including new cloud and AI infrastructure, AI skilling for 100,000 people, and support for the developer community. This builds on a memorandum of understanding (MoU) with the Thai government to advance a digital, AI-powered future. Chairman Satya Nadella and Thai PM Srettha Thavisin emphasized the potential for Thailand to become a regional digital hub by 2030. Key initiatives include establishing a new datacenter, offering AI training for tourism and other sectors, and fostering AI expertise among 6,000 developers. Notable Thai organizations, including AIS, NHSO, SCBX, and OCS, are already leveraging Microsoft's AI solutions. These efforts aim to enhance innovation, productivity, and economic growth while ensuring inclusivity and sustainability.

Source : [Microsoft](#), May 1st, 2024



RSI Remote Hands Services

*Highly experienced bilingual staffs
available 24/7 to save you time and energy*

Through their bilingual Remote Hand Services (RHS) staffs, RSI provides technical as well as administrative supports, including but not limited to maintenance and management of your IT equipment located in the data center on your behalf. Because your time is

valuable for RSI, all you need to do is to submit your requests, then RSI will immediately dispatch high quality performance RHS staffs to the site to take care of your requests during the day or night time, whether on weekends or public holidays.

Available scope of services

- IT equipment installation and removal
 - Installation or replacement of modular equipment components
 - Storage media Installation and replacement
 - Network cabling works
 - Power cabling works
-
- Troubleshooting
 - Various network configuration including IPMI configuration, Ping test, and further Input commands...
-
- Packages receiving and delivery...
 - Vendor escort
 - IT carrier coordination
 - Inventory

Available service areas

RSI offers RHS supports for clients in Japan and abroad with flexibility, tailor-made to their needs and situations. The regions mainly covered by RSI for RHS are Kanto and Kansai areas. Nationwide support is also available based on common arrangement with client.

RSI offers a wider range of remote hands services other than those listed in this document.

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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