

4 September 2023

Quantum Solutions Co., Ltd.

Dear Shareholders

Quantum Solutions Starts Selling GPU Servers
for AI Development as a New Business

Quantum Solutions Co., Ltd. (“Quantum Solutions”) is proud to announce as a new business, we will start selling the distribution & service of GPU chips, and servers for AI development today, September 4, 2023 (Monday)

This business is based on a strategic sales agreement with KAYTUS SINGAPORE PTE. (“KAYTUS”), KAYTUS servers are equipped with NVIDIA's high-performance GPUs, A100 and H100, are provided for the development and training of large-scale language models (“LLM”). The LLM is provided for the development and training of LLM (Large Language Models).

The use of LLM empowering generative AI, such as GPT (“Generative Pre-trained Transformer”), has become increasingly widespread in natural language processing (“NLP”) tasks. These require significant computational power that GPUs can handle very efficiently. The market size for any GPU utilized in LLMs has been expanding rapidly. The entire GPU market is valued at USD 44.7 billion during 2022 and is expected to reach USD 450.9 billion by 2030. This is a staggering CAGR (Compound Annual Growth Rate) of 33.5% source [\(Source: REPORTSINSIGHTS February 14, 2023 \)](#). Demands for any GPU largely outstrips supply globally, putting significant upward pressures on GPU's prices. Nvidia is the dominant global supplier, owning nearly 80% of the market share within GPU-based LLM empowering generative AI [\(Source: MARKETPLACE Aug 24, 2023\)](#). Nvidia's flagship product for LLM is the H100. According to Nvidia, the H100 is up to nine times faster for AI training and 30 times faster for inference than its predecessor, the A100 [\(Source: VentureBeat March 21, 2023\)](#). However, with the great shortage of this product, both the H100 & A100 are under huge demands from all major countries including the US, Japan and Europe.

Despite the tight market supply of GPUs, Quantum Solutions will ensure a stable supply by entering into a strategic distribution agreement with KAYTUS, a leading provider of IT infrastructure products and solutions, offering a wide range of infrastructure products for AI, cloud, and edge computing. KAYTUS is a leading provider of IT infrastructure products and solutions, offering a wide range of infrastructure products for AI, cloud, and edge computing. This agreement will ensure KAYTUS can meet the high demand for GPU servers in Japan. This agreement establishes Quantum Solutions as a reliable source for

GPU servers and enables us to provide superior products and services to our clients in AI-related industries.

By establishing these agreements, we have positioned ourselves as a reliable source of GPU servers. It will solidify our commitment to delivering exceptional products and IT services to our valued customers in the AI industry.

To spearhead this initiative and ensure success, Quantum Solutions will build a strong operational team to execute this new business. We have welcomed a highly reputable IT professional with over 30 years of experience in the Japanese IT industry to lead our new business. Under the leadership of our new senior management, we have the strong belief that the new business will deliver great results for Quantum Solutions.

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【Quantum Solutions Co., Ltd. Company Information】

Company Name : Quantum Solutions Co., Ltd.
(Tokyo Stock Exchange code 2338)
Address : 1-10-9 Kudankita, Chiyoda-ku, Tokyo, Japan
Representative : Mark Pink, Representative Director and President
Capital : 2,996 million yen
Business : Application development and distribution
Software development

【Company Contact】

Quantum Solutions Co., Ltd.

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