

## Quantum Solutions Unveils New AI-centered Business Plan Using ARM Servers with NVIDIA GPUs for Diverse AI Applications

- Quantum Will Offer Cutting-Edge Hardware for AI-powered Deep Learning in Japan
- Compass Cloud AI Japan, a joint venture with Singapore-based Compass Cloud Technology, will deploy ARM-based CPU servers in Japan
- Announcement of new AI-powered software products including Cosplay-AI, AI Artist, AI Assistant, AI Photography Studio, and Digital Avatar

Quantum Solutions Co. Ltd. (TSE:2338.JP) announces a new AI-centric business plan, which highlights the company's commitment to advancing practical applications of artificial intelligence (AI). The new plan comprises development of AI-related hardware and software, with a focus on 3 key areas: AI deep learning, AI inference, and AI applications.

To showcase this new plan, Quantum Solutions has released an updated website. The website is now live and can be viewed in English, Japanese, and Chinese at the following URL:

<https://quantum-s.co.jp/>

Quantum Solutions Representative Director Mark Pink, stated,

*"I am thrilled to announce our new AI-centric business plan at Quantum Solutions today, which will advance practical applications of artificial intelligence (AI) in Japan through the development of AI-related hardware and software.*

*Our new plan focuses on three key areas: AI deep learning, AI inference, and AI applications. We have already made significant investments in AI computing power.*

*To showcase our new plan, we have launched an updated website that showcases our commitment to the advancement of AI technology. With new hardware products, such as ARM-based CPU servers and NVIDIA GPU chips (Model H100 and A100), we offer significant advancements in hardware optimized for AI that will position us at the forefront of AI product development in the Japanese market.*

*To further strengthen our position in the Japanese market, we have formed a sales partnership with Kaytus Singapore Pte. Ltd., granting us non-exclusive rights to distribute Kaytus products in Japan starting from mid-September 2023. This collaboration allows us to bring CPU servers and NVIDIA GPU chips to Japan.*

*We would like to thank Compass Cloud Technology Pte. Ltd. for their partnership in establishing a new joint venture, Compass Cloud AI Japan Co. Ltd., which will simplify the distribution of ARM-based CPU servers in Japan.*

*In addition, we are proud to announce a range of 5 new products that use Artificial Intelligence Generated Content (AIGC).*

*Quantum Solutions remains as committed as ever to catering to the diverse needs of our customers.”*

In addition to Quantum’s focus on hardware, the company is also dedicated to developing and implementing various AI applications. Quantum firmly believes that AI will transform operating systems, and plans to provide Japanese customers with a rich library of AI tools through development of its Artificial Intelligence Generated Content (AIGC) business.

## **1. Hardware for AI Deep Learning: NVIDIA GPU**

Quantum Solutions now offers new hardware products, including Graphics Processing Units (GPU) designed for AI deep learning and Central Processing Units (CPU) for AI inference. These products have made significant advancements in AI computing power and are customized to meet AI application requirements.

Quantum has recently formed a sales partnership with Kaytus Singapore Pte. Ltd., granting non-exclusive rights to distribute Kaytus products in the Japanese market starting from mid-September 2023. This collaboration allows Quantum to bring GPU servers and NVIDIA GPU chips (Model H100 and A100) to Japan, positioning the company at the forefront of developing AI products and services in the Japanese market.

Although GPUs are vital for AI computing, relying solely on them has limitations. These include memory constraints, sub-optimal performance for system-level operations and management, lower computing power for general tasks, and cost considerations.

## **2. Hardware for AI Inference: ARM Servers**

In recognition of the importance of CPUs in AI development, Quantum will strategically incorporate these CPU servers into the company’s AI hardware business plan. Instead of the popular Intel X86 processor, Quantum’s CPU product line is based on the Advanced RISC Machine

(ARM) architecture. Choosing ARM offers various advantages, including power efficiency, scalability, on-demand customization, enhanced performance, flexible architecture, and lower cost.

To simplify the distribution of ARM-based CPU servers in Japan, Quantum has established a new joint venture called Compass Cloud AI Japan Co. Ltd. This new joint venture has been formed in partnership with Singapore-based Compass Cloud Technology Pte. Ltd. The Compass Cloud AI Japan JV will enable Quantum to offer customers with comprehensive hardware packages that include edge computing solutions and cloud storage services.

### **3. New Products Powered by AI**

In the field of AI software, Quantum is dedicated to developing and implementing a diverse range of AI applications. Quantum strongly believes that AI will transform operating systems. As part of this vision, the company is exploring development of new businesses that use Artificial Intelligence Generated Content (AIGC). Through the creation of AI-related applications, Quantum aims to provide the Japan market with a rich library of AI tools, forming a complete ecosystem.

We have a portfolio of AI software products scheduled for launch this year, including:

- Cosplay-AI: A text-based generative model for the Japanese language. Users can chat with AI characters.  
URL: <https://cosplay-ai.gpt2338.jp/>
- AI Artist: Allows users to process text-to-picture or picture-to-picture commands, making it accessible to a broader audience.  
URL: <https://art.gpt2338.jp/>
- AI Assistant: Provides a platform for AI tools and serves as a social platform in the AI era.  
URL: <https://www.aios.chat/>

More information about each service is available via the above links.

Quantum is also developing two additional products, AI Photo Studio and Digital Avatar, which are expected to be launched later this year.

### **4. Other AI Business Development**

In addition, Quantum is currently in advanced discussions with a well-known Japanese partner to obtain the rights to use the partner's intellectual property (IP) for the Digital Avatar product. The company's goal is to enhance the digital avatar's appeal and relatability to users by

incorporating images of Japanese celebrities. Quantum is confident that this partnership will increase the adoption rate of Digital Avatar.

Considering the increasing popularity and recognition of AI tools, Quantum anticipates the emergence of a freelance platform. This platform would serve as a connection between customer needs and a supply of talented individuals experienced in working with AI tools. It would provide users with access to the expertise, creativity, and problem-solving abilities of freelancers.

Quantum strongly believes that freelance platforms have great potential in meeting various demands and exploring the possibilities of AI further. Through our AI business plan, we aim to unlock the full potential of AI for customers of all types, driving unparalleled progress and shaping the future.

By offering a comprehensive range of cutting-edge technology, encompassing AI hardware and software, Quantum is committed to catering to the diverse needs of customers. By democratizing AI and providing user-friendly tools, the company strongly believes this will pave the way for groundbreaking solutions that solve society's most pressing problems.

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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.  
<https://www.quantum-s.co.jp/en/>

Tel : 03-6910-0571 (Main)

Contact Form : <https://www.quantum-s.co.jp/en/contact/>