

# NTU Q

## BUILDING JAPAN'S QUANTUM FUTURE WITH IBM QUANTUM SYSTEM ONE

The University of Tokyo and IBM began the Japan-IBM Quantum Partnership in 2019. As part of this partnership, researchers in Japan received an IBM Quantum System One, now installed in IBM's facility at the Kawasaki Business Incubation Center, Kawasaki City. This Japan's most powerful quantum computer is now operational for researchers at both scientific institutions and businesses in Japan, with access administered by the University of Tokyo.

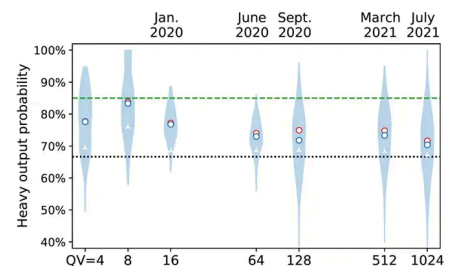


source: IBM

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## HONEYWELL AND CAMBRIDGE QUANTUM REACH NEW MILESTONES

The 10-qubit System Model H1 recently achieved a quantum volume of 1024, the highest measured up to the present time. Honeywell researchers addressed quantum error correction by creating a single logical qubit from seven of the 10 physical qubits available on Honeywell System H1 Model and applying multiple rounds of quantum error correction to reduce most important types of errors that occur in a quantum computer.



source: Honeywell

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## PSIQUANTUM CLOSES \$450 MILLION FUNDING ROUND TO BUILD THE WORLD'S FIRST COMMERCIALY VIABLE QUANTUM COMPUTER

PsiQuantum has raised \$450 million in funding to build the world's first commercially viable quantum computer. Until now, PsiQuantum has raised a total of \$665 million in funding. Unlike other quantum computing company, PsiQuantum is exclusively focused on building a fault-tolerant quantum computer supported by a scalable and proven manufacturing process. This company has developed a unique technology in which single photons are controlled by using photonic circuits which are patterned onto a silicon chip using standard semiconductor manufacturing processes. Their quantum photonic chips is manufactured by the partner GlobalFoundries, the world's fourth-largest semiconductor foundry company based in the United States

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## MULTIVERSE COMPUTING DIVERSIFIES ITS QUANTUM HARDWARE ACCESS BY PARTNERING WITH STRANGeworks

Multiverse Computing has joined the Strangeworks Quantum Syndicate to enable their experts to develop financial applications utilizing quantum hardware providers available through the Strangeworks ecosystem.

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計畫補助單位：



IBM Quantum Computer Hub at National Taiwan University

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