

August 7, 2026
TerraSky Co., Ltd.

Quemix Secures Investment from Honda

— Accelerating the Real-World Deployment of Quantum Technology for Next-Generation Materials Development and Value Creation—

TerraSky Co., Ltd. (Headquarters: Chuo-ku, Tokyo; Representative Director, CEO and President: Hideya Sato) announces that its group company, Quemix Inc. (Head Office: Chuo-ku, Tokyo; President and CEO: Yuichiro Matsushita; hereinafter "Quemix"), a company engaged in the research and development of quantum computer algorithms and software, has received an investment from Honda Motor Co., Ltd. (Head Office: Minato-ku, Tokyo; Director, President and Representative Executive Officer: Toshihiro Mibe; hereinafter "Honda"). Through this investment, Quemix will accelerate its efforts to enhance the value of its products and services toward the real-world deployment of quantum computing.

Quemix has worked closely with Honda through joint research using quantum computing, producing a series of pioneering achievements. In May 2025, the companies jointly developed a world-first "new technology for quantum state readout" (*1). In June 2026, they developed a new quantum algorithm that exponentially accelerates Density Functional Theory (DFT) calculations — a foundational method in computational materials science — on quantum computers (*2).

Building on this investment, Quemix will leverage its advanced quantum algorithm technologies to move quantum technology beyond the theoretical and experimental stages and integrate it fully into practical materials development processes. Through these efforts, Quemix aims to significantly accelerate the development of next-generation battery materials and other advanced materials.

*1: <https://www.quemix.com/en/post/press-honda-quantum-readout-newtech-en>

*2: <https://www.quemix.com/en/post/en-20260603-hondard>

Comment from Honda

Mahito Shikama, Director, Executive Officer, Honda Motor Co., Ltd.

"Honda will continue to take on the challenge of achieving carbon neutrality by 2050 through a multifaceted approach. Through this investment, Honda aims to further strengthen its relationship with Quemix and expects Quemix's technological innovation and business growth to accelerate.

Going forward, Honda will continue to identify, collaborate with, and invest in innovative startups through its global open innovation program, 'Honda Xcelerator Ventures' (*3)."

**3: Honda Xcelerator Ventures is Honda's global open innovation program led by Honda Innovations Co., Ltd., a subsidiary of Honda Motor Co., Ltd.*

Click here for Quemix's press release on this matter:

<https://www.quemix.com/en/post/en-20260807-honda>

About Quemix Inc.

Quemix Inc. is a consolidated subsidiary of TerraSky Co., Ltd. (Head Office: Chuo-ku, Tokyo; Representative Director Executive President and CEO: Hideya Sato) conducts research and development in quantum computing, quantum sensing, and computational materials science. Under the vision of "realizing the future humanity has dreamed of through quantum technology," Quemix supports breakthrough innovations for companies leading the next generation of quantum technologies.

Since its establishment in 2019, the company has focused on research and development of algorithms for fault-tolerant quantum computers (FTQC), including the development and patenting of the "Probabilistic Imaginary-Time Evolution (PITE®)," a quantum chemistry calculation algorithm with mathematically proven quantum acceleration. As a leading company in FTQC algorithm research in Japan, Quemix is actively advancing research and development aimed at the practical application of quantum computing in materials computation and simulation by 2030.

Contact Information

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