



Press Release

February 25, 2025

ispace, inc.

ispace and EdgeCortix Agree to Collaborate on Latest AI-enabled Lunar Missions

TOKYO –February 25, 2025 – ispace, inc. (ispace) ([TOKYO: 9348](#)), a global lunar exploration company, and EdgeCortix Inc. (EdgeCortix), a leading fabless semiconductor company specializing in energy-efficient Artificial Intelligence (AI) processing at the edge, today announced a mutual strategic cooperation to explore cislunar development using EdgeCortix’s low-power AI specific processors with ispace lunar exploration activities.



From Left: Takeshi Hakamada, Founder & CEO of ispace, inc., and Dr. Sakyasingha Dasgupta, Founder & CEO of EdgeCortix shake hands at a signing ceremony on Feb. 5, 2025, in Tokyo.

ispace and EdgeCortix have agreed to collaborate using data from existing and future missions. The agreement in the form of a memorandum of understanding (MOU) focuses on using EdgeCortix’s SAKURA-II platform, an advanced AI hardware acceleration device (processor) providing best-in-class power-efficiency, driven by their patented low-latency Dynamic Neural Accelerator (DNA) technology and MERA software and compiler framework.

“We are very pleased to be working with EdgeCortix, a leader in efficient AI technologies,” said Takeshi Hakamada, Founder and CEO of ispace. “We believe working together we can develop and improve technologies for the cislunar environment that will overcome the challenges found on the Moon.”

“We are thrilled to be collaborating with ispace to develop a strategic plan for integrating our SAKURA-II AI-specific processors into cislunar systems,” said Sakyasingha Dasgupta, CEO and Founder of EdgeCortix. “Space is the final frontier for edge computing, and we are eager to support ispace's mission to enhance intelligence, efficiency, and effectiveness in AI workloads during their missions.”

In January, EdgeCortix announced that NASA had deemed its SAKURA-I AI Accelerator platform suitable for space missions including in Earth orbit and on the lunar surface, demonstrating high levels of radiation resiliency, and proving its technology.

NASA Electronic Parts and Packaging Program (NEPP) executed two phases of testing on EdgeCortix's AI accelerator, subjecting it to both proton and heavy ion radiations to evaluate its ability to withstand radiation impact in space-like environments. The NEPP testing initiative was commissioned to advance the goal of achieving full autonomy in space.

Currently, ispace is actively operating the SMBC x HAKUTO-R Venture Moon Mission 2, returning valuable data during its low-energy, highly efficient trajectory to the Moon. The RESILIENCE lunar lander successfully completed a flyby of the Moon on Feb. 15, 2025, reaching its closest point at 22:43 UTC, Feb. 14, 2025.

Future Missions

ispace is leveraging its global presence through its three business units in Japan, the U.S., and Luxembourg, for the simultaneous development of upcoming missions. Mission 2, featuring the RESILIENCE lunar lander, is led by ispace Japan launched on Jan. 15, 2025, completed a lunar flyby on Feb. 15, 2025, and is currently traveling to the Moon. During the mission, the TENACIOUS micro rover will be deployed on the lunar surface to conduct a technological demonstration of regolith extraction as well as mobility on the lunar surface. Mission 3, debuting the APEX 1.0 lunar lander, is led by ispace-U.S. and is expected to launch in 2026. The company's fourth mission, which will utilize the Series 3 lander, currently being designed in Japan, is scheduled to be launched by 2027.

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About EdgeCortix Inc.

Pioneering the future of the connected intelligent edge, EdgeCortix is a fabless semiconductor company focused on energy-efficient AI processing of Generative-AI workloads at the edge. Founded in 2019 with R&D headquarters in Tokyo, Japan, EdgeCortix delivers a software-first approach with its patented “hardware and software co-exploration” system to design an AI

specific runtime reconfigurable accelerator from the ground up. EdgeCortix's products disrupt the rapidly growing edge AI hardware markets including defense, aerospace, smart cities, industry 4.0, autonomous vehicles and robotics.

For more information about EdgeCortix, visit <https://www.edgecortix.com/en/>.

About ispace

ispace, a global lunar exploration company with the vision, "Expand our Planet. Expand our Future.", specializes in designing and building lunar landers and rovers. ispace aims to extend the sphere of human life into space and create a sustainable world by providing high-frequency, low-cost transportation services to the Moon. The company has business entities in Japan, Luxembourg, and the United States with approximately 300 employees worldwide.

For more information, visit: www.ispace-inc.com and follow us on X: [@ispace_inc](https://twitter.com/ispace_inc).

About NASA Electronic Parts and Packaging Program (NEPP)

The NEPP Program generates technical knowledge and recommendations about electrical, electronic, electromechanical (EEE) part performance, application, failure modes, test methods, reliability and supply chain quality within the context of NASA space flight missions and hardware. This information is made available to the NASA and high-reliability aerospace community through publications, web pages and links published on <https://nepp.nasa.gov/>.

EdgeCortix SAKURA-I Machine-Learning, PCIe Accelerator SEE Heavy Ion Test Report

<https://ntrs.nasa.gov/citations/2024001580>

EdgeCortix SAKURA-I Machine-Learning, PCIe Accelerator SEE Proton Test

<https://ntrs.nasa.gov/citations/20240006221>