



Press Release

January 9, 2025  
ispace, inc.

## **ispace Announces Mission 2 Launch Date & Time**

*RESILIENCE Lunar Lander & TENACIOUS Micro Rover to launch on January 15, 2025*

TOKYO –January 9, 2025 – ispace, inc. (ispace) ([TOKYO: 9348](#)), a global lunar exploration company, announced today that its SMBC x HAKUTO-R Venture Moon Mission 2 featuring the RESILIENCE lunar lander and TENACIOUS micro rover is scheduled to launch on Jan. 15, 2025, at 06:11 UTC.

### **HAKUTO-R Mission 2 Launch Schedule**

Launch Date: Wednesday, January 15, 2025\*

Launch Time: 06:11 UTC

1:11 a.m. (U.S. Eastern Standard Time)

3:11 p.m., Wednesday, January 15, 2025 (Japan Standard Time)

Launch Site: Space Launch Complex 39A, Kennedy Space Center, Florida, U.S.

\*The above dates and times are subject to change depending on weather and other conditions.

“The RESILIENCE lander and TENACIOUS rover are being loaded onto the Falcon 9 rocket, and we are getting ready for launch,” said Takeshi Hakamada, Founder & CEO of ispace. “Together, we will open the door to success, hand in hand with our dedicated employees, their supportive families, our shareholders who continue to believe in ispace’s vision, our HAKUTO-R partners, government stakeholders, customers, and many others. I firmly believe this marks the beginning of a new chapter for our company.”

To highlight the second mission, ispace and Citizen Watch, a corporate partner of ispace, also unveiled a countdown clock that will be displayed in public areas around Tokyo. The clock will display the time until the launch occurs from Florida, which will be viewed via a livestream hosted by ispace.



From left: Takeshi Hakamada, Founder & CEO of ispace and Shigeru Tanaka, General Manager, Advertising Department Citizen Watch Co., Ltd., unveil the Mission 2 Countdown Clock at a press conference in Tokyo.

On board the RESILIENCE lunar lander will be commercial customer payloads including:

- **Water electrolyzer equipment:** From Takasago Thermal Engineering Co.
- **Food production experiment:** A self-contained module from Euglena Co.
- **Deep space radiation probe:** Developed by the Department of Space Science and Engineering, National Central University, Taiwan
- **Commemorative alloy plate:** Developed by Bandai Namco Research Institute, Inc. and modeled after “Charter of the Universal Century” from the animation Mobile Suit Gundam UC
- **TENACIOUS micro rover:** Developed by ispace-EUROPE, this rover will explore the landing site, collect lunar regolith, and relay data back to the lander. It will be equipped with a forward-mounted HD camera and a shovel.
- **Moonhouse:** A model house by Swedish artist Mikael Genberg that will be mounted on the rover.

The RESILIENCE lander will serve as a cultural artifact, carrying a UNESCO memory disk that preserves linguistic and cultural diversity.

## Mission 2 Milestones

ispace has released a transparent set of criteria known as Mission 2 Milestones between launch and landing and aims to achieve the success criteria established for each of these milestones. The results from this mission as part of the HAKUTO-R lunar exploration program, will be weighed and evaluated against the criteria and lessons learned will be incorporated into future missions already in development.

	Milestone	Milestone Success Criteria
Success 1	Completion of Launch Preparations	<ul style="list-style-type: none"> <li>Complete all development processes of the RESILIENCE lunar lander before flight operations</li> <li>Contract and prepare launch vehicle, and complete integration of lunar lander into the launch vehicle</li> <li>Prove ability to flexibly manufacture and assemble landers in various geographic locations of the world</li> </ul>
Success 2	Completion of Launch and Deployment	<ul style="list-style-type: none"> <li>Complete successful separation of the lunar lander from the launch vehicle</li> <li>Reaffirm that ispace's lander design and structure is capable of withstanding the harsh conditions during launch on its second mission, offering valuable information towards future development and missions</li> </ul>
Success 3	Establishment of Steady Operation State	<ul style="list-style-type: none"> <li>Establish communication link between the lander and Mission Control Center, confirm a stable attitude as well as start stable generation of electrical power in orbit.</li> </ul>
Success 4	Completion of first Orbital Control Maneuver	<ul style="list-style-type: none"> <li>Complete the first orbit control maneuver, setting the lander on a course towards the Moon</li> </ul>
Success 5	Completion of Lunar Flyby	<ul style="list-style-type: none"> <li>Complete a lunar flyby approximately one month after launch</li> <li>Begin Deep Space Flight operations</li> </ul>
Success 6	Completion of all Deep-Space Orbital Control Maneuvers before LOI	<ul style="list-style-type: none"> <li>Complete all planned deep space orbit control maneuvers by utilizing gravity assist effects and successfully target target the first lunar orbit insertion maneuver.</li> <li>Reaffirm the deep-space survivability of ispace's lander designs, as well as the viability of space's lunar planning.</li> </ul>
Success 7	Enter Lunar Orbit	<ul style="list-style-type: none"> <li>Complete the first lunar orbit insertion maneuver and confirm that the lander is in a lunar orbit</li> <li>Reaffirm the ability of ispace to deliver spacecraft and payloads into stable lunar orbits</li> </ul>
Success 8	Completion of all Orbital Control Maneuvers in lunar orbit	<ul style="list-style-type: none"> <li>Complete all planned lunar orbital control maneuvers before the landing sequence</li> <li>Confirm the lander is ready to start the landing sequence</li> </ul>
Success 9	Completion of Lunar Landing Sequence	<ul style="list-style-type: none"> <li>Complete the landing sequence, verifying key landing abilities for future missions</li> </ul>
Success 10	Establish Steady System after Landing	<ul style="list-style-type: none"> <li>Establish a steady telecommunication and power supply on the lunar surface after landing</li> </ul>

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### About ispace, inc. (<https://ispace-inc.com>)

ispace, a global lunar resource development 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 more than 300 employees worldwide. For more information, visit: [www.ispace-inc.com](http://www.ispace-inc.com) and follow us on X: [@ispace\\_inc](https://twitter.com/ispace_inc).