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Notice regarding Completion of “Success 2” for Mission 2

ispace inc. (“ispace”) hereby announces that it has completed Success 2 (Completion of Launch and Deployment) for Mission 2 “SMBC x HAKUTO-R VENTURE MOON” (“Mission 2”) as below.

1. Progress of Mission 2 (as of January 15, 2025)

As announced on January 14, 2025, ispace completed Success 1 (Completion of Launch Preparations). Today, the RESILIENCE lander has successfully deployed from a Space X Falcon 9 rocket following its launch 1:11 a.m., Wednesday, January 15, 2025 (U.S. Eastern Time). The deployment completes Success 2 of the Mission 2 Milestones.

2. Impact on financial results

There is no impact of this announcement on our consolidated financial results.

3. (Reference) Mission 2 Milestones

Mission 2 Milestones
 We have set 10 milestones, which we aim to achieve during Mission 2. Each milestone has separate success criteria.

- Success 1** [L+2-3 days] **Completion of Launch Preparations**
 - Complete all development processes of the RESILIENCE lunar lander before flight operations
 - Contract and prepare launch vehicle, and complete integration of lunar lander into the launch vehicle
 - Prove ability to flexibly manufacture and assemble landers in various geographic locations of the world
- Success 2** [L+1 hour] **Completion of Launch and Deployment**
 - Complete successful separation of the lunar lander from the launch vehicle
 - 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
- Success 3** [Several hours] **Establishment of a Steady Operation State**
 - 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
- Success 4** [L+1-2 days] **Completion of first Orbital Control Maneuver**
 - Complete the first orbital control maneuver, setting the lander on a course towards the Moon
- Success 5** [L+1 month] **Completion of Lunar Flyby**
 - Complete a lunar flyby approximately one month after launch
 - Begin Deep Space Flight operations
- Success 6** [L+3-3.5 months] **Completion of all Deep-Space Orbital Control Maneuvers before LOI**
 - Complete all planned deep space orbital control maneuvers by utilizing gravity assist effects and successfully target the first lunar orbit insertion maneuver
 - Reaffirm the deep-space survivability of ispace's lander designs, as well as the viability of ispace's orbital planning
- Success 7** [L+4 months] **Enter Lunar Orbit**
 - Complete the first lunar orbit insertion maneuver and confirm the lander is in a lunar orbit
 - Reaffirm the ability of ispace to deliver spacecraft and payloads into stable lunar orbits
- Success 8** [L+4.5 months] **Completion of all Orbital Control Maneuvers in Lunar Orbit**
 - Complete all planned lunar orbital control maneuvers before the landing sequence
 - Confirm the lander is ready to start the landing sequence
- Success 9** [L+4.5 months] **Completion of Lunar Landing Sequence**
 - Complete the landing sequence, verifying key landing abilities for future missions
- Success 10** [L+4.5 months] **Establish Steady System State after Landing**
 - Establish a steady telecommunication and power supply for the lander on the lunar surface after landing

HAKUTO-R **ispace**

*Timeline and contents subject to change.

Milestone		Expected completion date	Success Criteria
Success 1 (Complete)	Completion of Launch Preparations	Launch - 2-3 days	<ul style="list-style-type: none"> • Complete all development processes of the RESILIENCE lunar lander before flight operations • Contract and prepare launch vehicle, and complete integration of lunar lander into the launch vehicle • Prove ability to flexibly manufacture and assemble landers in various geographic locations of the world
Success 2 (Complete)	Completion of Launch and Deployment	Launch + 1 hour	<ul style="list-style-type: none"> • Complete successful separation of the lunar lander from the launch vehicle • 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
Success 3	Establishment of Steady Operation State	Launch + several hours	<ul style="list-style-type: none"> • 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
Success 4	Completion of first Orbital Control Maneuver	Launch + 1-2 days	<ul style="list-style-type: none"> • Complete the first orbit control maneuver, setting the lander on a course towards the Moon
Success 5	Completion of Lunar Flyby	Launch + 1 month	<ul style="list-style-type: none"> • Complete a lunar flyby approximately one month after launch • Begin Deep Space Flight operations
Success 6	Completion of all Deep-Space Orbital Control Maneuvers before LOI (Note 1)	Launch + 3-3.5 months	<ul style="list-style-type: none"> • Complete all planned deep space orbit control maneuvers by utilizing gravity assist effects and successfully target the first lunar orbit insertion maneuver • Reaffirm the deep-space survivability of ispace's lander designs, as well as the viability of ispace's lunar planning
Success 7	Enter Lunar Orbit	Launch + 4 months	<ul style="list-style-type: none"> • Complete the first lunar orbit insertion maneuver and confirm the lander is in a lunar orbit • Reaffirm the ability of ispace to deliver spacecraft and payloads into stable lunar orbits
Success 8	Completion of all Orbital Control Maneuvers in lunar orbit	Launch + 4.5 months	<ul style="list-style-type: none"> • Complete all planned lunar orbital control maneuvers before the landing sequence • Confirm the lander is ready to start the landing sequence
Success 9	Completion of Lunar Landing Sequence	Launch + 4.5 months	<ul style="list-style-type: none"> • Complete the landing sequence, verifying key landing abilities for future missions

Success 10	Establish Steady System State after Landing	Launch + 4.5 months	<ul style="list-style-type: none"> Establish a steady telecommunication and power supply for the lander on the lunar surface after landing
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(Note 1) LOI: Lunar Orbital Insertion

4. (Reference) Mission 2 Overview

Mission 2

Mission Description

- The RESILIENCE lander, with hardware validated through Mission 1, will be utilized aiming to improve mission maturity and complete validation of lunar landing technology
- TENACIOUS micro rover developed by European entity will be validated for the first time, contributing to future lunar surface exploration
- Transaction of lunar regolith will be executed between NASA and ispace

Payload Customers

Total Contract Amount:
Approx.

\$ 16 MM⁽²⁾



Water-splitting experiment



Lunar algae-cultivation equipment



Deep Space Radiation Probe



"Space Century Charter" plate



Moon House (artwork)

Lander etc. to be used

RESILIENCE Lander

Size

Approx. 2.3m tall by 2.6m wide (legs deployed)

Mass

Approx. 1,000kg (Wet: fully fueled)
Approx. 340kg (Dry: unfueled)

Design Payload Capacity
Up to 30kg



TENACIOUS Micro Rover

Design

Lightweight to withstand vibrations during transit to the lunar surface

Mass

Approx. 5kg

Design Payload Capacity
Up to 1kg



⁽¹⁾ The values are rounded off to integral values