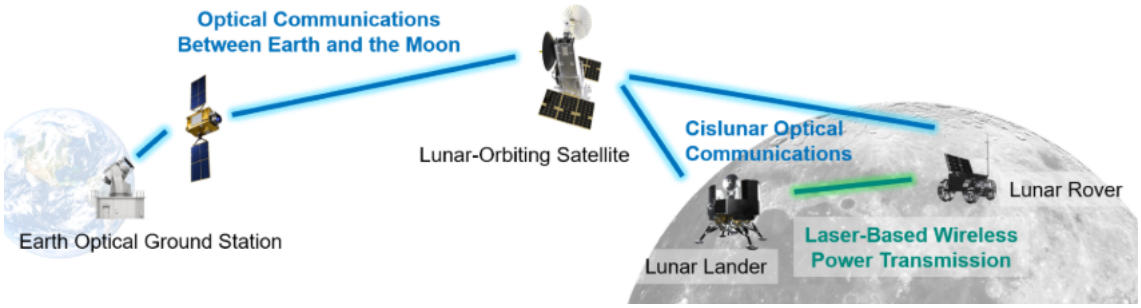
Press Release

November 16, 2026
NTT Corporation
ispace, inc.

NTT and ispace Enter into Collaboration Agreement to Realize Cislunar and Lunar Infrastructure Using IOWN Optical Communication Technologies

Toward the Realization of Ultra-Long-Distance Space Optical Communications and Laser Power Transmission

TOKYO—November 16, 2026—ispace, inc. (ispace) (TOKYO: 9348) a global lunar exploration company, and NTT Corporation (NTT) (TOKYO: 9432) announced today that they have signed a collaboration agreement aimed at realizing communications and power infrastructure to support future lunar missions. Under this agreement, the companies will jointly advance research and development, demonstrations, and studies toward future commercialization of infrastructure technologies supporting future lunar missions, including high-speed optical communications technologies connecting Earth and the Moon, as well as lunar laser power transmission technologies.



Lunar Development Infrastructure Technologies Enabled by Optical Technologies

As countries around the world advance lunar exploration and development initiatives, activities on the lunar surface are expected to expand significantly, including resource exploration, scientific observation, construction, and transportation.
These activities are expected to generate large volumes and varieties of data, ranging from imagery, resource information, and scientific observations collected by satellites and rovers to sensor data from autonomous vehicles and construction equipment, as well as operational records from lunar infrastructure. Establishing high-speed, reliable communications infrastructure will be essential to transmitting this data to Earth and sharing information across the lunar surface.

In addition, the safe and reliable operation of Japanese public- and private-sector activities on the Moon, as well as space traffic management and space situational awareness (SSA) in cislunar space, will require Japan to independently secure and operate sovereign communications capabilities. Such sovereign capabilities are also important from the perspective of cislunar security, supporting Japan's economic security interests on the Moon and in the space between Earth and the Moon.

Advancing lunar development will also require the creation of infrastructure technologies specifically designed for the lunar environment, which differs significantly from conditions on Earth. Unlike Earth, the lunar surface lacks established power distribution infrastructure, creating a need for flexible power delivery solutions capable of supporting mobile equipment such as rovers and construction machinery.

NTT has been conducting research and development of optical communications technologies offering ultra-high capacity, ultra-low latency, and ultra-low power consumption under its IOWN (Innovative Optical and Wireless Network) initiative. Through its Space Integrated Computing Network concept, NTT is also working to extend optical communications technologies into space. In addition to communications, NTT has pursued research and development of optical technologies for other applications, including laser-based wireless power transmission.

ispace is developing lunar transportation and lunar surface data services utilizing landers and rovers developed and operated by its global group of companies. The company is currently planning Mission 3, targeting a lunar landing in 2028. ispace is also expanding its business into infrastructure services, including lunar communications and positioning capabilities, to support the anticipated growth of lunar activities. In March 2026, the company announced plans to commercialize its Lunar Connect Service, utilizing a constellation of satellites in lunar orbit. As an initial step, ispace plans to launch its first lunar-orbiting satellite as part of Mission 2.5 as early as 2027.

Through this agreement, the two companies have agreed to explore the feasibility of applying optical technologies to the lunar environment by combining NTT's expertise in optical technologies, including optical communications and laser power transmission, with ispace's experience and expertise in lunar transportation, lunar exploration, and mission operations. Together, the companies will evaluate the feasibility of applying these technologies to the lunar environment, with the goal of developing infrastructure and services to support future lunar activities.

Based on this agreement, NTT and ispace will begin joint studies of potential use cases, system architectures, technical requirements, and demonstration methodologies. As lunar transportation opportunities and lunar development activities progress, the companies will also consider phased technology demonstrations on Earth and in space, working toward the realization of sustainable infrastructure and services to support the growing lunar economy.

Statement of Takeshi Hakamada, Founder & CEO of ispace, inc.
"Establishing sustainable lunar activities will require not only transportation capabilities to reach the Moon, but also essential infrastructure for communications and power supply. We are very pleased to begin exploring future lunar infrastructure opportunities with NTT, which has developed advanced optical technologies and extensive expertise through its work on Earth.

By combining the experience, knowledge, and operational capabilities ispace has gained through our missions with NTT's optical technologies, we will first explore the feasibility of applying optical communications and laser-based power transmission technologies to the lunar environment, as well as potential demonstration opportunities. We see this agreement

as a first step toward extending technologies developed on Earth to the Moon, creating new value and business opportunities, and continuing our contribution to the development of the cislunar economy," said Takeshi Hakamada, Founder & CEO, ispace, inc.

Statement of Minako Tsumenaga, Senior Vice President, Head of Alliance Department, Research and Development Market Strategy Division, NTT, Inc.
"As humanity's sphere of activity expands to the Moon and eventually throughout cislunar space, we believe that communications and energy infrastructure supporting those activities will become increasingly important. We are delighted to take on the challenge of realizing a new infrastructure that connects the Earth and the Moon through light by combining ispace's expertise in lunar transportation, exploration, and mission operations with NTT's optical technologies, including optical communications and laser power transmission, developed over many years.

Through this collaboration, we will extend the potential of NTT's optical technologies into space and contribute to sustainable lunar activities and the growth of the cislunar economy."

NTT will continue to address social infrastructure challenges using satellites under the NTT C89 brand.[1]

[1]"NTT C89" is a trademark of NTT, Inc. It is an abbreviation for "NTT CONSTELLATION 89 PROJECT," an initiative aimed at contributing to the expansion of space-related businesses and the development of the space industry as a whole by providing solutions to society. This press release is part of the initiatives under "NTT C89," the brand for space-related businesses operated by NTT Group companies and others.
URL: https://group.ntt/en/aerospace

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About ispace, inc. (https://ispace-inc.com)
https://ispace-inc.com/https://x.com/ispace_inc ispace, a global lunar resource development company with the vision, "Expand our planet. Expand our future.", specializes in designing and building lunar landers, rovers, orbital transfer vehicles, and relay satellites. ispace aims to extend the sphere of human life into space and create a sustainable world by providing high-frequency, low-cost lunar transportation and related services. The company has business entities in Japan, Luxembourg, the United States, and Saudi Arabia, with more than 300 employees worldwide. For more information, visit: www.ispace-inc.com and follow us on X: @ispace_inc.

About NTT
NTT is a leading global technology innovator, providing a broad range of services to both consumers and businesses. As a mobile operator and provider of infrastructure, networks, and services, NTT is dedicated to promoting a sustainable future through cutting-edge innovations. Our portfolio includes business consulting, AI-powered solutions, application services, global networks, cybersecurity, data center and edge computing, all supported by our deep global industry expertise. Generating over $90 billion in revenue and employing 340,000 professionals, we allocate 30% of our annual profits to fundamental research and development. With operations spanning more than 70 countries and regions, our clients include over 75% of Fortune Global 100 companies, alongside thousands of enterprises, government organizations, and millions of consumers.

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