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Mitsubishi Electric Awarded Subsidy to Develop Flexible Space Mobility Technology under JAXA's Space Strategy Fund

Will help develop orbital transfer vehicle for expanded use of outer space



Rendition of OTV

TOKYO, June 10, 2026 – [Mitsubishi Electric Corporation](http://www.MitsubishiElectric.com) (TOKYO: 6503) announced today that it has been awarded a subsidy for the Development of Inter-Orbit Transportation Vehicles (OTVs) under the Technology for Realizing Flexible Mobility in Space program, which is being financed by the 2nd Phase of the Space Strategy Fund¹ managed by the Japan Aerospace Exploration Agency (JAXA). The company was previously selected as a representative organization for the project and will develop OTVs in that capacity.

As space development expands, the market for on-orbit services—such as in-orbit assembly and manufacturing, refueling, inspection, repair and parts replacement—is expected to grow substantially. Accordingly, efficient logistics for on-orbit services will be essential for expanded space utilization.

Mitsubishi Electric has already developed spacecraft for various types of orbits, including the H-II Transfer Vehicle “KOUNOTORI” (HTV), the new unmanned cargo transfer vehicle (HTV-X), the Smart Lander for Investigating

¹ Established by the Cabinet Office, the Ministry of Internal Affairs and Communications, the Ministry of Education, Culture, Sports, Science and Technology and the Ministry of Economy, Trade and Industry to support advanced technology development, technology demonstration and commercialization in the space sector by private companies and universities.

Moon (SLIM), the Martian Moons Exploration (MMX) spacecraft, and geostationary satellites. Leveraging the navigation, guidance and control technologies cultivated through these projects, Mitsubishi Electric will now develop an OTV capable of moving freely between orbits to transport satellites and other payloads.

Mitsubishi Electric will also develop transport trajectory planning methods that plan destination orbits and transfer routes to optimize transfer efficiency and minimize propellant consumption. The goal is to develop an OTV that can respond flexibly to user needs, navigate between orbits, and load and release payloads in space without being limited to specific applications or transport routes. The company also aims to verify the feasibility of autonomous rendezvous, proximity operations and docking (RPOD) using physical AI and robotics for the safe and effective capture, handling and release of payloads in space.

Mikihiro Sugita, Senior Technical Manager in the Satellite Control Engineering Section, Space Infrastructure Systems Department of Mitsubishi Electric’s Kamakura Works, said, “We are very pleased to be selected as a representative organization for the Space Strategy Fund project. By developing an OTV as an innovative and sustainable logistics solution, we hope to contribute to space logistics that support and expand the use of space.”

Overview of Technology Development

Implementation Period	From April 2026 to March 2028
Leader of Representative Organization	Mikihiro Sugita, Senior Technical Manager, Satellite Control Engineering Section, Space Infrastructure Systems Department, Kamakura Works, Mitsubishi Electric Corporation
Objectives	<ul style="list-style-type: none"> - Develop transfer trajectory planning methods to plan mission orbits and transport routes, optimize transfer efficiency and minimize propellant consumption. - Enable autonomous RPOD for in-space payload capture, handling and release as a space-logistics capability. - Integrate an OTV flight model and demonstrate its performance in various orbits for flexible space mobility.

Future Plans and Prospects

By developing an OTV, Mitsubishi Electric expects to establish space logistics capabilities and provide efficient commercial in-space transportation to support orbiting infrastructure, including on-orbit hubs. Ultimately, Mitsubishi Electric hopes to expand opportunities for space utilization through space logistics enabled by its OTV.

About Mitsubishi Electric’s Space Systems Business

Mitsubishi Electric, a leader in Japan’s space development, has participated in various domestic and international satellite development and manufacturing projects, primarily focusing on those promoted by JAXA. Going forward, the company will continue to enhance its advanced technologies, helping to achieve greater sustainability and boost prosperity by overcoming the challenges faced in the development of technology used in space.

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About Mitsubishi Electric Corporation

Guided by its [corporate philosophy](#), Mitsubishi Electric Corporation (TOKYO: 6503) places sustainability at the core of its operations and values stakeholder trust—encompassing society, customers, shareholders and employees. In pursuing profitability, capital efficiency and growth, Mitsubishi Electric works closely alongside customers to develop value-added solutions that address today’s complex challenges while enhancing the company’s sustainable corporate value.

Founded in 1921, Mitsubishi Electric has over a century of experience in delivering reliable, high-quality products and solutions. With over 200 group companies and approximately 150,000 employees worldwide, the company is a recognized global leader in manufacturing, marketing and selling electrical and electronic equipment and systems across a broad range of sectors, including public utility systems, energy systems, defense and space systems, factory automation systems, automotive equipment, building systems, air conditioning systems & home products, digital innovations, and semiconductor & devices.

Mitsubishi Electric recorded consolidated revenue of 5,894.7 billion yen (U.S.\$ 36.8 billion*) in the fiscal year that ended on March 31, 2026. For more information, please visit www.MitsubishiElectric.com

*JPY 160=USD 1, the approximate rate on the Tokyo Foreign Exchange Market on March 31, 2026