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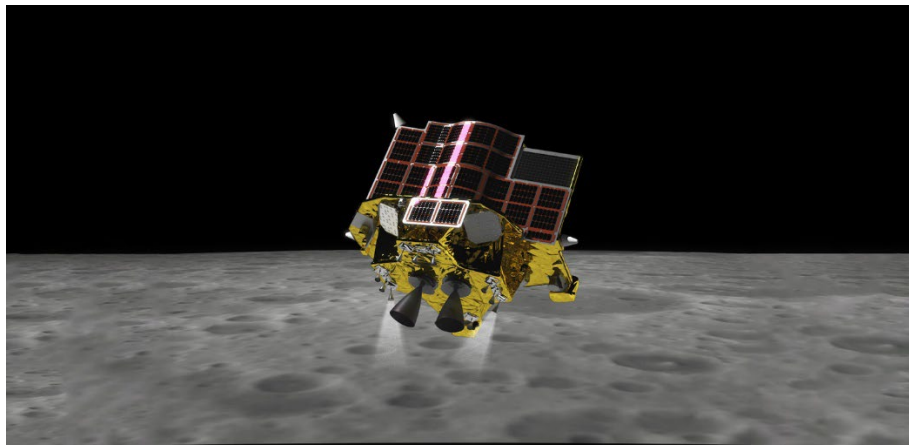
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## **Smart Lander for Investigating Moon "SLIM" Touches Down on Moon**



Rendition of SLIM (courtesy JAXA)

**TOKYO, January 20, 2024** – [Mitsubishi Electric Corporation](https://www.mitsubishielectric.com) (TOKYO:6503) announced today that its Smart Lander for Investigating Moon (SLIM), developed by the company under contract with the Japan Aerospace Exploration Agency (JAXA), successfully landed on the lunar surface at 00:20 a.m. on January 20 (Japan Standard Time). This is Japan's first lunar landing, making it the fifth country to safely land a spacecraft on the Moon, joining Russia (Soviet Union), the United States, China and India.

The SLIM was developed to demonstrate high-precision landing technology on the Moon using a small spacecraft and to increase the frequency of lunar and planetary exploration with a lightweight lunar and planetary probe system. It was launched into space on September 7, 2023 aboard an H-IIA rocket.

The SLIM is considered to be a foundation for future lunar and planetary exploration, so its successful lunar landing is expected to pave the way for further progress in these fields.

Mitsubishi Electric was awarded a contract in 2015 with primary responsibility for the design, manufacture and testing of the SLIM at the company's Kamakura Works in Kamakura, Kanagawa Prefecture, as well as

providing in-orbit operational support. Mitsubishi Electric and its subsidiary Mitsubishi Electric Defense and Space Technologies Corporation (MEDS) developed the lander's core onboard equipment, including:

- Landing radar, incl. antenna and instrumentation system (Mitsubishi Electric) and electrical unit (MEDS)
- Integrated computer and software
- Communication system, incl. S-band transponder, S-band diplexer and S-band antenna (Mitsubishi Electric) and S-band hybrid (MEDS)
- Integrated power control unit (MEDS)

### **Mitsubishi Electric's Space Business**

Mitsubishi Electric, a leader in Japan's space development, has participated as a prime contractor in nearly half of JAXA's satellite-development projects. Since the late 1970s, the company has been researching and developing navigation-guidance and control technology through projects involving the Space Flyer Unit (SFU), Engineering Test Satellite-VII (ETS-VII), H-II Transfer Vehicle (HTV), etc. Many of these same technologies were used to develop the SLIM. Going forward, Mitsubishi Electric will continue to pursue advanced technologies and contribute to sustainable space exploration and human expansion into space, including through Japan's participation in the Artemis Program, an international space-exploration initiative.

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### **About Mitsubishi Electric Corporation**

With more than 100 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, energy, transportation and building equipment. Mitsubishi Electric enriches society with technology in the spirit of its "Changes for the Better." The company recorded a revenue of 5,003.6 billion yen (U.S.\$ 37.3 billion\*) in the fiscal year ended March 31, 2023. For more information, please visit [www.MitsubishiElectric.com](http://www.MitsubishiElectric.com)

\*U.S. dollar amounts are translated from yen at the rate of ¥134=U.S.\$1, the approximate rate on the Tokyo Foreign Exchange Market on March 31, 2023