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FOR IMMEDIATE RELEASE **No. 3579**

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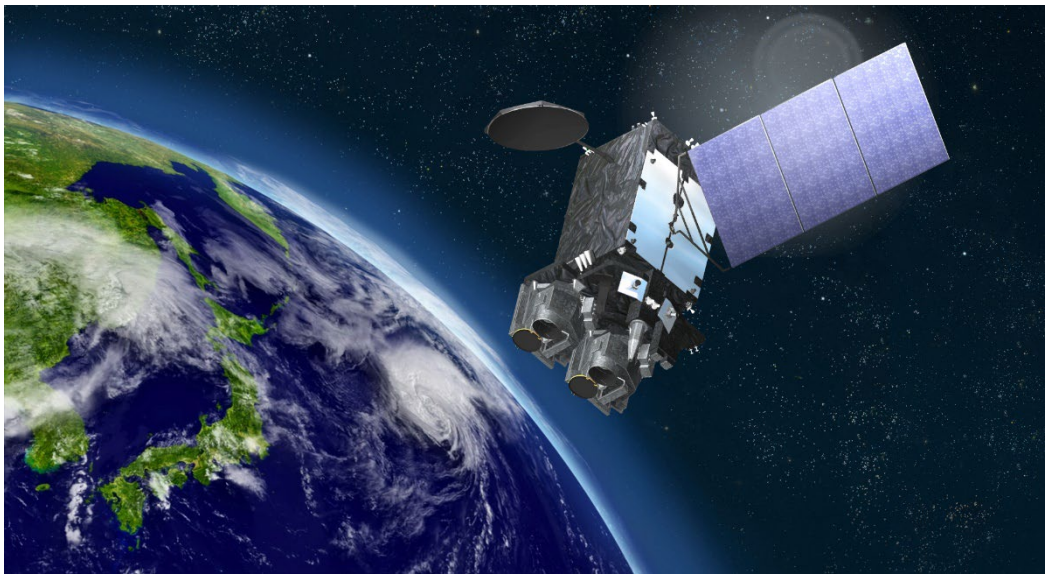
Mitsubishi Electric Wins New Japanese Meteorological Satellite Contract

Company's fourth consecutive Himawari model expected to enhance weather disaster prevention



TOKYO, Mach 14, 2023 – Mitsubishi Electric Corporation (TOKYO: 6503) announced today that it won the contract from the Japan Meteorological Agency (JMA) to build the nation's newest geostationary meteorological satellite, known as the Himawari-10, which will be the fourth straight such satellite to be built by Mitsubishi Electric going back to the Himawari-7 some 20 years ago.

The Himawari-10 is a successor to the Himawari-8 and Himawari-9, which are currently operating in geostationary orbit. The JMA called for proposals for the procurement of the spacecraft, based on Japan's Space Policy, to satellite manufactures of both Japan and overseas. Mitsubishi Electric was awarded the contract based on its extensive experience with satellites and the JMA's high evaluation of the company's proven DS2000 standard satellite platform and ground-data processing software.

Himawari-10 Features

1) Advanced equipment for expanded observation capabilities

- Himawari-10 will be equipped with a visible infrared imager and a hyperspectral infrared sounder, both built by L3 Harris Technologies of the United States, and a space environment sensor from the National Institute of Information and Communications Technology of Japan (NICT).
- The imager, which offers observation wavelength bands and resolutions superior to those of the Himawari-8 and 9, will gather two-dimensional information about cloud and water-vapor distribution, and land, sea and cloud temperatures based on frequent measurement of visible to infrared rays emitted from the earth's surface.
- Himawari-10 will be the first Japanese satellite to use a hyperspectral infrared sounder to gather three-dimensional information about water vapor and atmospheric temperature by measuring infrared rays with high-spectral resolution for improved forecasting of heavy and torrential rain as well as typhoon paths.
- The space environmental sensor will measure the intensity of proton and electron beams in the space, which often are the cause of spacecraft malfunctions, to enhance forecasting reliability.

2) High-precision attitude stabilization system and ground-data processing software

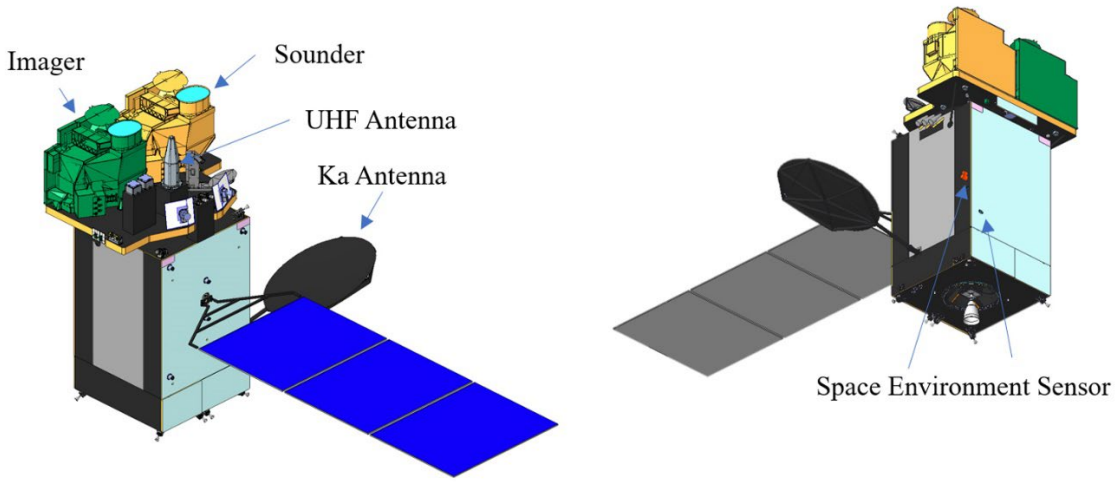
- The DS2000 with a highly durable and precise attitude stabilization system and the ground-data processing software for calibrating imager and sounder data maximize sensor performance.

3) High reliability for practical systems

- High reliability will be achieved by leveraging the company's long experience with the Himawari series and its modern production facility, launched in 2020, which offers a highly advanced production-management system for easy access to information for extra-efficient production.

Main Specifications

Satellite Bus	DS2000 standard satellite platform
Mass	Approx. 2.4t dry (without fuel) and approx. 6.1t wet (at launch)
Dimensions	Approx. 4m x 3m x 6m when solar array is stowed Approx. 11m in width when solar array is deployed
Orbit	Geostationary orbit
Design life	More than 15 years



Renderings of Himawari-10 (not true colors)

Mitsubishi Electric's Space Business

Mitsubishi Electric has been the leading manufacturer in Japan's space business for decades, including serving as the prime contractor of almost half of Japan's national satellite programs led by the Japan Aerospace Exploration Agency (JAXA). The company's DS2000 standard satellite platform is utilized for both experimental satellites and those operating as essential infrastructure for communications, meteorology and other space-based observations in Japan and overseas.

In addition to delivering the Himawari-7, 8 and 9 models, Mitsubishi Electric developed and maintains weather-satellite ground facilities.

Spacecraft	Contract Award	Launch	
Himawari-7	July 2000	February 2006	Weather and aviation-control satellite
Himawari-8	July 2009	October 2014	Improved resolution and color images
Himawari-9		November 2016	

Going forward, Mitsubishi Electric is committed to further supporting the JMA with improved forecasting of typhoons and both heavy and torrential rains to strengthen disaster prevention in Japan.

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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 4,476.7 billion yen (U.S.$ 36.7 billion*) in the fiscal year ended March 31, 2022. For more information, please visit www.MitsubishiElectric.com

*U.S. dollar amounts are translated from yen at the rate of ¥122=U.S.$1, the approximate rate on the Tokyo Foreign Exchange Market on March 31, 2022