

Mitsubishi Electric Ready to Deliver Himawari-8 to Tanegashima

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Observation sensors enable more precise climate forecasting, larger-scale natural-disaster prevention
Mitsubishi Electric Corporation (TOKYO: 6503) announced today that it has completed work on the Himawari-8 satellite, the next-generation geostationary meteorological satellite based on a contract awarded by the Japan Meteorological Agency. Himawari-8 will be delivered soon to Tanegashima Space Center, Japan, from where it is scheduled to be launched into orbit on October 7.

Himawari-8, the successor to the Multi-functional Transport Satellite-2 (MTSAT-2) satellite, is equipped with a new payload for a highly upgraded meteorological observation mission. Unlike MTSAT-2, color images will be generated and spatial resolution will be twice as detailed. Observational data collected with Himawari-8 will enhance climate forecasting, weather-prediction numerical accuracy and environmental monitoring of weather such as typhoons, torrential rain and climate changes. Data will be provided to more than 30 countries in the Asia and Pacific region to support advanced meteorological services, particularly improved natural-disaster prevention and transportation safety.

Himawari-8 is the eighth satellite to incorporate Mitsubishi Electric's original DS2000 satellite platform. Its sister, Himawari-9, is currently being built at the company's Kamakura Works. When Himawari-9 is launched in 2016, it will mark over 20 years of Mitsubishi Electric's involvement with geostationary meteorological satellites, beginning with MTSAT-2. By 2017, Mitsubishi Electric expects to have produced 15 DS2000 satellites. To date, all DS2000 satellites launched have operated successfully. Building on this superb track record, Mitsubishi Electric will continue to serve the global commercial satellite market with its ever-increasing family of reliable DS2000 satellites.



Rendering of Himawari-8 in Orbit



Himawari-8 at Kamakura Works

Himawari-8 Overview

Length	Approx. 8m
Satellite Platform	DS2000
Orbital Maneuver Life	15+ years
Meteorological Mission	8+ years
Mass	Approx. 3.5 tons (at launch)

		Himawari-8	MTSAT-2
Spatial Resolution		VIS 0.5-1km NIR 1-2km IR 2 km	VIS 1km NIR - IR 4 km
Observation Interval	Full Disk	10 minutes	30 minutes
	Japan	2.5 minutes	-
	Land-mark	2.5 minutes	-
Spectral Bands	VIS	3 bands	1 bands
	NIR	3 bands	-
	IR	10 bands	4 bands

About Mitsubishi Electric Corporation

With over 90 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. Embracing the spirit of its corporate statement, Changes for the Better, and its environmental statement, Eco Changes, Mitsubishi Electric endeavors to be a global, leading green company, enriching society with technology. The company recorded consolidated group sales of 4,054.3 billion yen (US\$ 39.3 billion*) in the fiscal year ended March 31, 2014. For more information visit <http://www.MitsubishiElectric.com>

*At an exchange rate of 103 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2014