GOES-R
OUR NATION'S NEXT-GENERATION WEATHER SATELLITE
IMPROVED REAL-TIME WEATHER FORECASTS AND EARLY WARNING

Since 1975, NOAA has operated a system of Geostationary Operational Environmental Satellites (GOES) that provide continuous weather imagery and monitoring of meteorological and space environments across the U.S. and the Western Hemisphere.

Lockheed Martin is developing the next generation called GOES-R. These four weather satellites will provide major improvements in quality, quantity and timeliness of critical weather data. They will improve the detection and observations of meteorological events that directly affect public safety, protection of property, and ultimately, economic health.

The GOES-R spacecraft bus is a derivative of the Lockheed Martin A2100 bus which has seen hundreds of years of on-orbit operations. The 6,280-pound (2,850-kg), three-axis stabilized spacecraft was designed for an on-orbit life of 15 years. The stability of the satellite will allow it to operate through periodic adjust maneuvers that will provide near-continuous instrument observations.

The GOES-R program is a collaborative mission between NOAA and NASA. Vital GOES-R data will be used in every NOAA National Weather Service office from the National Hurricane Center to the Storm Prediction Center to NWS Forecast Offices, as well as by other agencies and private forecasters.

For more information about GOES-R visit: www.lockheedmartin.com/goesr or www.goes-r.gov

© 2016 Lockheed Martin Corporation