

News Release

8 December 2016

Cobham Electronics, Actuators Launch Aboard GOES-R Satellite

ARLINGTON, Va. – Cobham’s high reliability motion control solutions and radiation hardened (RadHard) microelectronics have launched aboard NOAA’s Geostationary Operational Environmental Satellite – R Series (GOES-R) spacecraft. GOES-R is the next generation of geosynchronous environmental satellites intended to provide atmospheric measurements for weather forecasting, severe storm tracking, and space weather monitoring. Cobham Integrated Electronic Solutions contributed motion control products along with Cobham Semiconductor Solutions’ RadHard microelectronics to the GOES-R spacecraft, which was built by Lockheed Martin. Both business units are part of the Cobham Advanced Electronic Solutions sector.

“Cobham congratulates NOAA and NASA for a successful launch,” said Jeff Hassannia, Senior Vice President of Business Development and Technology for Cobham Advanced Electronic Solutions. “We are proud to once again support space exploration through our high reliability motion control products and RadHard microelectronics. The payload instruments aboard GOES-R require almost jitter-free operation. As such, our actuators and controllers provide proven, low-disturbance operation for the Solar Array and Sun Pointing Platform. Moreover, an array of RadHard microelectronics enable the mission including: Low-Voltage Differential Signaling (LVDS) products, Medium Scale Integration (MSI) logics, clock management products, memory products such as Programmable Read-Only Memories (PROM), and SpaceWire 4-port Routers.”

For critical space applications such as those on GOES-R that require robust design and manufacturing capability, Cobham’s motion control solutions employ zero-cogging brushless DC motors utilizing resolvers for commutation, a resolver assembly for output position sensing and a redundant closed-loop controller. Cobham’s RadHard microelectronics has proven flight history, making them an ideal choice.

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For product information, please visit:

- www.cobham.com/HiRel for RadHard electronics
- www.cobham.com/motion for high reliability motion control solutions

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About Cobham Advanced Electronic Solutions

We provide critical solutions on land, at sea, and in the air and space, by moving data through off-the-shelf and customized products including RF, microwave, and high reliability microelectronics, antenna subsystems and motion control solutions.

About Cobham

The most important thing we build is trust.

Cobham is a leading global technology and services innovator, respected for providing solutions to the most challenging problems, from deep space to the depths of the ocean.

We employ more than 11,500 people on five continents, and have customers and partners in over 100 countries, with market leading positions in: wireless, audio, video and data communications, including satellite communications; defence electronics; air-to-air refuelling; aviation services; life support and mission equipment.

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