

News Release

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Cobham Electronics Arrive at Jupiter Aboard NASA's Juno Spacecraft

PLAINVIEW, NEW YORK – After a journey of nearly five years, NASA's Jupiter Near-polar Orbiter (Juno) spacecraft successfully arrived at Jupiter with Cobham's Battery Electronics Unit (BEU) onboard. Engineered by the Cobham Semiconductor Solutions business unit, part of the Cobham Advanced Electronic Solutions sector, the BEU provides autonomous balancing of power cells to a Lithium Ion (Li-Ion) battery. This enables Juno to manage its power with reduced size and weight as compared to previous solutions, thus allowing higher payload capacities.

"Cobham congratulates NASA on this exciting milestone," said Jeff Hassannia, Senior Vice-President of Business Development and Technology for Cobham Advanced Electronic Solutions. "As Juno forges ahead into a treacherous radiation environment at Jupiter, we are proud to have played a role on this important mission. Cobham's BEU provides autonomous, dissipative and continuous cell balancing which helps to maximize available battery capacity, and therefore battery cycle life, throughout a spacecraft's mission."

Cobham's BEU is fully redundant and can be configured to work with any battery size and voltage. The BEU is fully space qualified, having achieved NASA and Department of Defense Technology Readiness Level 9 (TRL 9) and uses numerous Cobham Semiconductor Solutions components that are radiation hardened and boast an extensive space flight heritage. Cobham's BEU technology can also be tailored for non-space commercial and automotive applications.

Launched in August, 2011, NASA's Juno spacecraft is part of NASA's New Frontiers Program and seeks to improve our understanding of the origin and evolution of Jupiter by studying its composition, gravity field, magnetic field and polar magnetosphere.

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Cobham Semiconductor Solutions

We are a global supplier of Standard HiRel ICs including memory, μ processor, interconnect & power and ASICs for space, commercial, medical and industrial markets, along with Electronic Manufacturing Services (Circuit Card Assembly, Radiation Testing, Component Up-screening and Packaging).

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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