News Release

19 January 2015

Cobham Flying on MASCOT Lander

COLORADO SPRINGS, COLORADO – Numerous Cobham Semiconductor Solutions products were launched December 2, 2014 as part of Hayabusa-2 sample return missions on the Mobile Asteroid Surface Scout probe (MASCOT) arriving in June 2018. Cobham Gaisler's GR712RC (Dual Core LEON 3FT Microprocessor) is part of the MASCOT on-board computer which also contains Cobham Semiconductor Solutions 160Mbit SRAM memory product. The on-board computer was developed by Cobham Gaisler under contract with Telespazio VEGA Deutschland.

Japan's H-2A rocket sent the Hayabusa-2 probe speeding away from Earth to intercept asteroid 1999 JU3, an unexplored world about the size of several city blocks. It arrives at the asteroid in June 2018 for a year-and-a-half of close-up surveys.

Hayabusa-2 will drop four landers to the asteroid some time in 2018 or 2019, including MASCOT — the Mobile Asteroid Surface Scout — which rides inside the mothership during it's interplanetary journey.

Cobham Gaisler's (formerly Aeroflex Gaisler) GR712RC Microprocessor was selected by VEGA and DLR, the German Space Agency, for MASCOT's on-board computer along with Cobham Semiconductor Solutions (formerly Aeroflex Microelectronic Solutions – HiRel) 160Mbit SRAM Memory product.

"Cobham's GR712RC microprocessor with SRAM memory met all the requirements needed for the MASCOT on-board computer," said Sandi Habinc, Cobham Gaisler's Managing Director. "The microprocessor and the memory constitute the core of the processing element in the on-board computer, providing a solid foundation and sufficient processing power for executing both the platform and payload software. First in-orbit checkout show that both products are performing as expected."

###

Please visit www.cobham.com/HiRel to review product datasheets.

About Cobham

Cobham protects lives and livelihoods with its differentiated technology and know-how, operating with a deep insight into customer needs and agility. The Group offers an innovative range of technologies and services to solve challenging problems in harsh environments across commercial, defence and security markets, from deep space to the depths of the ocean, specialising in meeting the growing demand for data, connectivity and bandwidth.

Employing more than 12,000 people on five continents, the Group has customers and partners in over 100 countries, with market leading positions in: audio, video and data communications, including satellite communications; defence electronics; air-to-air refuelling; aviation services; life support and mission equipment.

About Cobham Gaisler AB

Cobham Gaisler AB is a provider of SoC solutions for exceptionally competitive markets such as Aerospace, Military and demanding Commercial applications. Cobham Gaisler's products consist of user-customizable 32-bit SPARC V8 processor cores, peripheral IP-cores and associated software and development tools.

Cobham's Semiconductor Solutions Colorado Springs site is a supplier of semicustom and standard VLSI circuits and custom circuit card assemblies. They have a Qualified Manufacturer List (QML) certification for Class Q, Class T and Class V.

- ends -

Media Relations
Teresa Farris
+1 719-594-8035
teresa.farris@aeroflex.com