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## **Core Avionics & Industrial Inc. Announces OpenCL and OpenGL Support for Real-Time Operating Systems on New AMD Embedded G-Series SOC Processors**

**Tampa, Florida, April 23, 2013.** Core Avionics & Industrial Inc. (“CoreAVI”), a Channel One company, has announced the development of embedded OpenCL drivers for the new AMD Embedded G-Series SOC processors (NYSE:AMD) for use in the mil-aero and high reliability markets. In addition, CoreAVI will enhance their existing OpenGL driver offering to support the AMD Embedded G-Series SOC family of products. CoreAVI’s OpenCL architecture will allow system manufacturers to take advantage of the heterogeneous and general purpose processing capabilities of AMD’s Radeon™ graphics processors (GPUs) and multicore system-on-a-chip (SOC) processors. Designed from the ground up for deployment in resource-constrained devices, CoreAVI’s embedded OpenGL driver sets and OpenCL API will support popular real-time and safety critical operating systems such as Green Hills INTEGRITY, DDCI Deos and Wind River VxWorks.

CoreAVI provides “program ready” AMD components to mil-aero and high reliability system manufacturers. This includes providing temperature screened components with 20+ year supply, embedded OpenGL graphics drivers and FAA DO-178B/C and DO-254 safety critical data sets. Beginning with the AMD Embedded G-Series SOCs, CoreAVI’s embedded OpenCL is the latest addition to its suite of software products designed to enable the use of AMD’s GPUs and SOCs in the high reliability and mil-aero embedded systems markets.

“OEMs can realize significant cost savings and system performance improvements by utilizing our embedded OpenCL,” said Lee Melatti, CEO of CoreAVI. “Our customers are looking forward to using our OpenCL API to take full advantage of advanced onboard AMD Radeon™ graphics integrated into the new AMD Embedded G-Series SOC to perform unique features and functions, such as object recognition, advanced video processing, encryption, and sensor data collection, that have traditionally required extensive hardware programming and multiple FPGAs or DSPs in addition to the CPU.”

“AMD is excited about CoreAVI’s development of OpenCL for real time operating systems with our AMD Embedded G-Series SOC featuring AMD Radeon™ HD 8000 Series Graphics,” said Kamal Khouri, director of embedded products of AMD. “The combination of AMD’s high performance SOCs and GPUs with CoreAVI’s embedded OpenCL and widely adopted OpenGL solutions provide a unique and powerful product offering leading design improvements for real-time embedded applications across multiple markets.”

### **Media Inquiries**

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### **About CoreAVI**

Core Avionics & Industrial Inc. (“CoreAVI”), a Channel One company, provides “program ready” embedded graphics and video processors to mil-aero and high reliability embedded systems manufacturers. A worldwide provider of AMD graphics processors and SoC products, CoreAVI’s products includes 20+ year supply management, temperature-screened versions of the AMD Radeon™ graphics processors and embedded graphics drivers to enable AMD Radeon™ software support for real time operating systems. CoreAVI’s program support includes FAA DO-254 and DO-178C (up to Design Assurance Level A) certification evidence for safety critical environments.

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