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CoreAVI supports next-generation version of Wind River VxWorks with advanced OpenGL graphics and video decode driver support

Nuremberg, Germany, Embedded World - February 26, 2014. Core Avionics & Industrial Inc. (“CoreAVI”), a Channel One company, today announced that it has released its latest embedded OpenGL and video decode drivers with support for the highly anticipated release of the latest version of Wind River® VxWorks® real-time operating system (RTOS). CoreAVI’s suite of OpenGL ES, OpenGL SC, and H.264/MPEG2 drivers are designed to enable highly scalable and high performance graphics/video support on a variety of VxWorks 7 configurations, including Wind River Hypervisor virtualization technology, secure time and space partitioning, user mode real time processes, and multicore synchronous and asynchronous platforms.

CoreAVI’s solutions enable maximum graphics and video performance on all versions of Wind River’s operating systems, including VxWorks and Wind River Linux, as well as Wind River Hypervisor, which address the requirements of a wide range of multifunctional embedded display systems. CoreAVI and Wind River products are a proven combination to deliver best-in-class safety critical graphics and video processing capabilities. Certifiable to Federal Aviation Authority (FAA) DO-178C Level A, CoreAVI’s OpenGL SC graphics drivers and graphics processors are used in conjunction with the VxWorks product line by many of the world’s leading aerospace, defense and high reliability system manufacturers, including Cobham Aerospace, Honeywell, and Lockheed Martin.

“CoreAVI is very impressed with the modularity and performance of Wind River’s latest RTOS release. We have been working closely with Wind River to develop and validate product compatibility. CoreAVI strategically invests in enabling key partner technologies, such as VxWorks 7, to ensure product interoperability thereby reducing risk, time to market and ultimately cost for our customers,” says Lee Melatti, Managing Director at CoreAVI.

“We are very pleased to have expanded our strategic partnership with CoreAVI, and with the successful result of our product collaboration. We are confident that our mutual global customers will be pleased with our proactive integration efforts to support VxWorks 7 with CoreAVI’s industry-leading suite of OpenGL and video decode drivers,” says Prashant Dubal, Product Owner at Wind River.

About Core Avionics & Industrial Inc.

Core Avionics & Industrial Inc. (“CoreAVI”), a Channel One company, provides “program ready” embedded graphics and video processors and advanced graphics solutions to mil-aero and high reliability embedded systems manufacturers. A worldwide provider of AMD graphics processors and SoC products, CoreAVI’s products include 20+ year supply management, temperature-screened versions of the AMD Radeon™ E4690 and E8860 graphics processors and embedded graphics drivers to enable COTS graphics 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. www.coreavi.com

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