Wind River partners with CoreAVI to offer DO-178C certifiable graphics solutions that enable Intel® HD graphics processors for safety critical platforms

Technology demonstrations of CoreAVI's OpenGL SC driver suite for Intel® HD graphics processors integrated with VxWorks 7 will be available on recently announced Wind River Marketplace app store.

Tampa, Florida, June 18, 2015. Core Avionics & Industrial Inc. (CoreAVI) and Wind River® have announced the availability of safety critical graphics drivers and DO-178C Level A safety certification support for a broad selection of Intel processors. CoreAVI's HD 4000/5000 OpenGL driver suite supports Intel® HD 4000/5000 graphics processors integrated with Atom™, Core i3™, Core i5™, and Core™ i7 CPUs and SoCs. The graphics driver suite supports the robust safety partitioning and secure virtualization/separation capabilities available with Wind River's real-time operating system suite, including VxWorks® 7, VxWorks 653 and VxWorks MILS.

CoreAVI's and Wind River's solutions are successfully flying together in aircraft display systems by many of the world's leading avionics manufacturers, such as Boeing, Airbus, Northrop Grumman, Honeywell and Cobham Aerospace. The latest collaboration and support for Intel® graphics architectures enables military, aerospace, automotive, medical, industrial, and other high reliability system manufactures to deploy Intel's unique processor capabilities, including multi-core silicon and secure partitioning for DO-178C certified platforms.

"Wind River has partnered with CoreAVI to offer their Intel® HD safety critical graphics drivers in conjunction with Wind River operating systems in order to deliver our customers a complete graphics solution and DO-178C Level A certification package based on both Intel CPU and GPU processor architectures," said Dinyar Dastoor, vice president and general manager of operating system platforms at Wind River. "CoreAVI and Wind River's combined solutions enable avionics and high reliability system manufacturers to harness the high performance capabilities available with Intel's wide range of processors."

"Wind River has been a long-time trusted and proven real time and safety certifiable operating system partner. We are excited about this evolution of our relationship that allows us to leverage Wind River's sales and marketing expertise and worldwide reach to deliver our Intel® based collaborative solutions," stated Dan Joncas, Vice President of Sales and Marketing at CoreAVI. "CoreAVI will continue to invest in supporting new processors and the development of industry leading certifiable multicore graphics/video solutions."

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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. CoreAVI's products include 20+ year component supply management, temperature-screened versions of the graphics processors and embedded graphics and video driver support for real time operating systems and safety critical platforms. CoreAVI's program support includes complete RTCA DO-178C / EUROCAE ED-12C Level A safety critical certification evidence for safety critical environments. www.coreavi.com

About Wind River

Wind River, a wholly owned subsidiary of Intel® Corporation (NASDAQ: INTC), is a global leader in delivering software for the Internet of Things. The company has been pioneering computing inside embedded devices since 1981, and its technology is found in more than 2 billion products. Wind River offers a comprehensive portfolio of solutions for addressing the system-level challenges and opportunities of IoT that is backed by world-class global professional services, award-winning customer support, and a broad partner ecosystem. Wind River delivers the software and expertise that enables the innovation and deployment of safe, secure, and reliable intelligent systems. To learn more, visit www.windriver.com.

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