

CoreAVI Completes Delivery of Safety Critical Graphics Drivers, RTCA DO-178C/EUROCAE ED-12C and RTCA DO-254/EUROCAE ED-80 Certification Packages to Airbus DS Electronics and Border Security (future Hensoldt) for its Most Advanced Situational Awareness Mission Computer

Tampa, Florida December 6, 2016. Core Avionics & Industrial Inc. (“CoreAVI”) and Airbus DS Electronics and Border Security (EBS) have announced the completion of the integration of CoreAVI’s ArgusCore SC™ (OpenGL SC) graphics driver with Airbus DS Electronics and Border Security’s SFERION Mission System. The final OpenGL SC driver delivery includes the complete RTCA DO-178C/EUROCAE ED-12C certification package as well as artifacts supporting RTCA DO-254/EUROCAE ED-80 safety certification of AMD Embedded Radeon™ GPUs.

With the advanced pilot situational awareness capabilities offered by the SFERION Mission System, new levels of pilot and crew safety can be achieved while increasing the number of successful missions in degraded visual environments.

The OpenGL SC graphics driver is part of CoreAVI’s suite of standard product safety certifiable drivers developed from the ground up to support RTCA DO-178C/EUROCAE ED-12C certifications including DecodeCore™ (H.264 video stream decode driver), EncodeCore™ (H.264 video encode driver), and HyperCore™, a safety critical GPU virtualization manager for Hypervisor platforms. These drivers have certification packages supporting up to and including Design Assurance Level (DAL) A, the most stringent level.

In addition, CoreAVI continues to deliver extended temperature range AMD Embedded Radeon Graphics Processor Unit (GPU) devices supporting the manufacture and long-term availability of Airbus DS EBS’ qualified rugged SFERION Mission System/computer. The GPUs are supported with RTCA DO-254/EUROCAE ED-80 certification packages supporting a baseline DAL C which can be extended to DAL A using CoreAVI’s TrueCore™ GPU safety monitor.

Airbus DS Electronics and Border Security’s SFERION Mission System provides content-rich pilot assistance solutions, including helmet-mounted displays. This graphics driver integration with the SFERION Mission System provides 3-D visual cues to pilots for take-offs, low-level flight and for landing in degraded visual environments, including brown-out which is one of the most challenging degraded visual environment situations.

"CoreAVI provides the avionics sector with the most cost-effective method to implement graphics and vision processing while also addressing safety critical requirements," said Lee Melatti, President of CoreAVI. "We have worked closely with Airbus DS Electronics and Border Security to deploy their avionics graphics systems and the partnership has resulted in a significant time-to-market advantage."

“AMD is committed to supporting our avionics and high reliability customers. Airbus DS Electronics and Border Security’s SFERION Mission System is another example of CoreAVI and AMD partnering with a key customer to deliver technology excellence and ensure long term product supply and support,” said Stephen Turnbull, Director Product Marketing, AMD Enterprise Solutions. “Airbus DS Electronics and Border Security’s SFERION Mission System demonstrates their industry leadership with certified 3D oriented pilot assistance solutions dedicated to aviation pilot awareness and safety.”

Further information is available at www.coreavi.com

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About Core Avionics & Industrial Inc.

Core Avionics & Industrial Inc. ("CoreAVI"), a Channel One company, is a world-leading supplier of real-time and safety-critical graphics and video drivers, and "program ready" embedded graphics processors. CoreAVI's suite of products enables commercial GPUs and SoC components to meet the requirements of long-term high-reliability and safety-critical embedded systems. This includes providing open standard graphics driver APIs specifically designed for embedded and safety-critical applications with support for all leading real-time operating systems, extended temperature screened components and long-term managed supply of components. These products are developed with certification evidence and artifact kits for the most stringent levels of RTCA DO-254/DO-178C, EUROCAE ED-80/ED-12C and ISO 26262. www.coreavi.com

About Airbus DS Electronics and Border Security (future Hensoldt)

Airbus DS EBS is the new sensor house, a leading global provider of premium electronics in the areas of protection, reconnaissance and surveillance. The company equips armed forces and security organisations around the world on the basis of a 100-year tradition and experience gained from renowned technological predecessors such as Dasa, Aérospatiale-Matra, Telefunken, Dornier and Zeiss. EBS employs some 4,000 employees generating revenues of approximately €1 billion per year.