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Press Release

CoreAVI provides functionally safe solutions for the European Automotive and Transportation market

Tampa (USA), October 4, 2021 – CoreAVI – developer of functionally safe software stacks for embedded applications – has announced it is increasingly focusing on the Automotive and Transportation markets in Europe. Their solutions are safety certifiable to the highest integrity levels and are based on open standards, making them flexible and scalable.

CoreAVI's safety critical graphics and compute driver solutions originated in the aerospace market, which has the strictest safety regulations of any market in the world. The company specialises in developing their products to meet the highest safety integrity and assurance levels, which has enabled their use in the aerospace market for years. The majority of aircraft flying today contain CoreAVI's products, which are certifiable to FAA DO-178C/ EASA ED-12C Design Assurance Level A.

Those requirements apply directly to the automotive and Industrial IoT industries, which are now requiring more safety than ever before, especially with the advancement of autonomous vehicles. This is why CoreAVI collaborates with companies throughout the European automotive supply chain from semiconductor suppliers to software peers, Tier 1s and OEMs, targeting both the executive and engineering.

“Safety is moving up the priority list for automotive manufacturers all around the world,” said Neil Stroud, Vice President, Marketing and Business Development at CoreAVI. “Now is the time to focus on achieving greater safety to reduce injuries and fatalities on our highways through the use of technology in both driven and autonomous vehicles.”

CoreAVI's solutions

CoreAVI engineers a functionally safe graphics and compute software stack based on the Vulkan API that enables the development and deployment of safe visualization, safe neural networks and computer vision capabilities needed for automotive and autonomous systems. The company also provides up-screened components to embedded systems from large silicon vendors such as AMD and Intel, and have created a line of safety critical hardware IP designs. They are experts in the field of functional safety and their solutions-based approach to safety speeds up development and time-to-market.

Picture (source: Shutterstock 551501122 / metamorworks, purchased with extended license):



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About CoreAVI (www.coreavi.com):

CoreAVI is the global leader in architecting and delivering safety critical graphics and compute software drivers and libraries, embedded 'system on chip' and discrete graphics processor components, and certifiable platform hardware IP. CoreAVI's comprehensive software suite enables development and deployment of complete safety critical solutions for automotive, industrial and aerospace applications requiring certification to the highest integrity levels coupled with full lifecycle support. CoreAVI's solutions support both graphics and compute applications including safe autonomy, machine vision and AI in the automotive, unmanned vehicle and industrial IoT markets, as well as commercial and military avionics systems.

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