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STMicroelectronics Adopts ARM's Latest Processor Technology for Automotive Applications

Industry leaders drive the ARM® architecture into automotive applications

Geneva, Switzerland, September 29, 2015 – STMicroelectronics (NYSE: STM), a global semiconductor leader serving customers across the spectrum of electronics applications, a leading supplier of ARM Cortex®-M core microcontrollers, and a frequent lead partner in ARM microcontroller-core developments, today announced an agreement in which ST has licensed new 32-bit ARMv8-R processor technology. ST will deploy the technology in 32-bit microcontrollers targeting real-time safety-related Smart Driving applications and in industrial applications.

First implementations of the ARMv8-R processor will be used in advanced multi-core, high-performance processors for safety-related automotive devices targeting PowerTrain, Safety and Gateway applications. Automotive microcontrollers employing the new ARMv8-R architecture will deliver best-in-class real-time performance and functional safety features combined with unique innovations for sensing, computation, and actuation applications. The advanced real-time architecture offers virtualization and separation to improve software reliability, reduce development costs, and enable consolidation of multiple applications onto a single smart processing platform.

“The demands placed on vehicle electronic control units are increasing dramatically and ARM is at the forefront in developing the processor technology that will address the growing performance, power, safety and reliability requirements,” said James McNiven, general manager, CPU group, ARM. “ST has extensive automotive experience and deep customer relationships. Its transition to the ARMv8-R architecture will be a significant boost in ensuring it is well-positioned for continuing success in this highly competitive market.”

“As a lead partner of ARM's new automotive-optimized microcontroller technology, ST is continuing to pave the way to delivering products that enable every facet of Smart Driving,” said Marco Monti, Executive Vice President and General Manager Automotive Product Group, STMicroelectronics. “ST will continue to support and develop its successful current 32-bit MCU platform while beginning the transition to the ARM architecture.”

With its leadership and success supplying chips to all major car makers worldwide, ST combines an unparalleled platform of advanced technologies, a longstanding commitment to quality, and a thorough understanding of Smart Driving and the automotive market gained through close collaboration with leading customers. ST's solutions cover all key application areas in and around the vehicle to ensure occupant safety, comfort and convenience, while constantly watching for obstacles and potential dangers in every traffic situation.

About STMicroelectronics

ST is a global semiconductor leader delivering intelligent and energy-efficient products and solutions that power the electronics at the heart of everyday life. ST's products are found everywhere today, and together with our customers, we are enabling smarter driving and smarter factories, cities and homes, along with the next generation of mobile and Internet of Things devices. By getting more from technology to get more from life, ST stands for life.augmented.

In 2014, the Company's net revenues were \$7.40 billion, serving more than 100,000 customers worldwide. Further information can be found at www.st.com.

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