



DB HiTek Licenses Adesto's CBRAM® Technology for IoT Applications

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SANTA CLARA, Calif., July 18, 2018 (GLOBE NEWSWIRE) -- [Adesto Technologies](#) (NASDAQ:IOTS), a leading provider of innovative application-specific semiconductors for the IoT era, announced that [DB HiTek](#) (formerly known as Dongbu HiTek), a leading analog and mixed-signal foundry based in South Korea, has licensed its Resistive RAM (RRAM) memory technology. DB HiTek will use the Adesto RRAM technology, trademarked as Conductive Bridging RAM (CBRAM®), as its embedded non-volatile memory (NVM) for IoT and other ultra-low power customer designs fabricated in its 180nm process, with an option to extend to 130nm and 90nm nodes.

Adesto's proprietary and production-proven CBRAM technology provides the lowest power NVM solution for ultra-low power IoT applications. It achieves significantly lower energy consumption than today's flash memory technologies and delivers enhanced performance compared to standard non-volatile memories.

"We're delighted that DB HiTek, one of the world's leading analog and mixed-signal foundries, has licensed our CBRAM technology for use in its customers' ultra-low power devices," said Dr. Venkatesh 'P.G.' Gopinath, vice president of CBRAM/RRAM Technology and Products at Adesto. "CBRAM can provide cost and performance benefits not only for advanced processes, but also for mature processes like 180nm, where there continues to be significant and steady volume. With its clear advantages, CBRAM is fast becoming the preferred NVM for embedded applications."

"DB HiTek is focused on delivering innovative technologies to help customers create products for an increasingly hyper-connected world," said Benjamin Sun, vice president of marketing at DB HiTek. Sun also said, "After extensive review, we chose Adesto's CBRAM technology as our embedded NVM at 180nm. As compared to conventional embedded flash technologies, this technology operates at lower voltages, consumes less power and requires fewer processing steps. Looking ahead, we also see CBRAM as a compelling option for automotive applications because of its high reliability and temperature tolerance."

Availability

CBRAM will be available for use by DB HiTek customers as embedded NVM at 180nm beginning in the second half of 2019.

About DB HiTek

DB HiTek Co., Ltd. specializes in superb analog and power processing technologies. The company adds high value to advanced ICs with a processing portfolio that encompasses BCDMOS, Mixed-Signal, High Voltage CMOS, CMOS Image Sensor, Embedded Flash, MEMS and SJ MOSFET technologies. With its best-in-class BCDMOS technology, the company manufactures power management chips that serve numerous applications ranging from consumer and communication electronics to automotive and industrial systems. Currently processing technologies at nodes ranging from 0.35 microns to 90 nanometers, the company complements its world class foundry capabilities with top quality design support including IP and design libraries, as well as process design kits and prototype verification. Headquartered in South Korea, DB HiTek publicly trades its stock under 000990 on the Korea Stock Exchange. DB HiTek was formerly known as Dongbu HiTek Co., Ltd. For more information, visit www.dbhitek.com.

About Adesto Technologies

Adesto Technologies (NASDAQ:IOTS) is a leading provider of innovative application-specific semiconductors for the IoT era. The company's technology is used by more than 2,000 customers worldwide who are creating differentiated solutions across industrial, consumer, medical and communications markets. With its growing portfolio of high-value technologies, Adesto is helping its customers usher in the era of the Internet of Things. See: www.adeptotech.com.

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