



MEMSIC Introduces LOTUS - Next-Generation Mote Platform for High-Performance Wireless Sensor Networks

ANDOVER, Mass., April 28, 2011 (GLOBE NEWSWIRE) -- MEMSIC, Inc. ("MEMSIC") (Nasdaq:MEMS) today introduced LOTUS, a high-performance wireless sensor platform. LOTUS is an advanced wireless node platform developed around the low power ARM7 Cortex M3 CPU and incorporates the best of IRIS, TelosB and Imote2 onto a single board. LOTUS is built on a modular and stackable design, incorporating connectors for expansion boards, and features several new capabilities that enhance the overall functionality of MEMSIC's wireless sensor networking products and solutions. LOTUS is backward compatible with MEMSIC's MDA and MTS range of Sensor Data Acquisition Boards.

This latest MEMSIC mote platform meets the requirements of existing Imote2 and OEM customers requiring higher speed processing capability as well as applications requiring GSM/GPRS gateways. LOTUS features 32Bit/100MHz processor, 64kB SRAM, 512kB FLASH, 64MB serial FLASH memory, an integrated 802.15.4 compliant radio with on-board antenna and USB Client with on-board mini-B connector, and runs at 50mA on-state and 10uA in stand-by mode.

LOTUS is factory configured to run RTOS (Real Time Operating System). Several other options are also available for LOTUS, including MEMSIC Kiel, RTOS, IAR Systems, Free RTOS, MoteRunner™ and TinyOS. The 51pin expansion connector supports Analog Inputs, Digital I/O, I²C, SPI and UART interfaces enabling ease of connection to a variety of external peripherals.

"As a leading sensor manufacturer and wireless sensor networking infrastructure solution provider, we are pleased to announce the introduction of LOTUS, MEMSIC's next-generation mote platform, enabling higher performance, low power consumption and pricing than Imote2", said Steve Tsui, Vice President of Worldwide Sales, Systems Business. "Our mission is to continually enable our customers' growth by delivering innovative Wireless Sensor Network products and solutions."

Company Background

MEMSIC, Inc. (Nasdaq:MEMS), headquartered in Andover, Massachusetts, is a leading provider of MEMS sensor components, sophisticated inertial systems and leading-edge wireless sensor networks for diverse real world applications ranging from automotive, consumer, industrial and aerospace. Our proprietary approach combines leading edge technologies with mixed signal processing circuitry to provide an industry-leading level of application support.

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