Product News

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IAR Systems provides support for Texas Instruments' new EnergyTrace technology

The Power Debugging technology in IAR Embedded Workbench® for MSP430™ microcontrollers utilizes the new EnergyTrace™ technology from Texas Instruments giving developers access to strong power optimization possibilities

Uppsala, Sweden—June 24, 2014—Today, IAR Systems® announces that early support for Texas Instruments new EnergyTrace technology is available in the world-leading development toolchain IAR Embedded Workbench for MSP430. By combining IAR Systems' excellent Power Debugging technology with Texas Instruments' EnergyTrace, developers are able to investigate and optimize power consumption and fully take advantage of the ultra-low-power capabilities of the MSP430 microcontrollers.

Power Debugging provides software developers with information about how the software implementation in an embedded system affects system level power consumption. Because software controls the hardware including peripheral units, it also controls power consumption. By coupling source code to power consumption, testing and tuning for power optimization is possible. Included in the comprehensive C-SPY Debugger in IAR Embedded Workbench, the power data can be visualized as a power log, a graph on a time scale, or in the function profiler as energy consumption.

EnergyTrace enables developers to analyze power consumption from nA to mA resolution in real time for each peripheral and is supported in IAR Embedded Workbench for MSP430 from version 6.10 and forward.

"EnergyTrace revolutionizes Power Debugging for developers," said Ryan Hoium, worldwide product marketing manager for MSP430 MCUs, Texas Instruments. "Paired with IAR Systems' flexible and robust development environment, customers now have the opportunity to analyze the power consumption for each peripheral being accessed in their software while utilizing a familiar debug environment."

IAR Embedded Workbench for MSP430 is a complete and powerful set of tools for developing embedded systems based the MSP430 microcontroller family from Texas Instruments. IAR Embedded

– more –

Workbench provides a highly-optimizing C/C++ compiler and a user-friendly IDE including project manager, editor, build tools and debugger. Learn more about IAR Embedded Workbench for MSP430 at www.iar.com/ew430.

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Editor's Note: *IAR Systems, IAR Embedded Workbench, C-SPY, C-RUN, visualSTATE, Focus on Your Code, IAR KickStart Kit, IAR Experiment!, I-jet, I-scope, IAR Academy, IAR, and the logotype of IAR Systems are trademarks or registered trademarks owned by IAR Systems AB. All other products names are trademarks of their respective owners.*

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About IAR Systems

IAR Systems provides developers of embedded systems with world-leading software tools for developing competitive products based on 8-, 16-, and 32-bit processors. Established in Sweden in 1983, the company has over 46 000 customers globally, mainly in the areas of industrial automation, medical devices, consumer electronics, telecommunication, and automotive products. IAR Systems has an extensive network of partners and cooperates with the world's leading semiconductor vendors. IAR Systems Group AB is listed on NASDAQ OMX Stockholm. For more information, please visit www.iar.com.