

## Product News

**Date:** February 26, 2013

# IAR Systems further strengthens product portfolio for power analysis

### **New I-scope probe facilitates low-power development by adding in-circuit power measurements**

Embedded World, Nuremberg, Germany—February 26, 2013— Today, IAR Systems® announces further enhancements to its innovative Power Debugging technology. At Embedded World in Germany, the company demonstrates new functionality in its world-leading development tool suite IAR Embedded Workbench® for ARM®. This functionality includes detailed in-circuit power measurements made possible by IAR Systems' new I-scope™ probe.

Power Debugging provides developers with information about how the software implementation of an embedded system affects the system's power consumption. This technology is available using the C-SPY® Debugger included in IAR Embedded Workbench together with IAR Systems' in-circuit debugging probe I-jet™. By adding I-scope, developers can gain knowledge of the power consumed by individual modules, detect if design flaws in the code are causing unnecessary power consumption and possibly extend battery lifetime.

At any designated point on the target board, I-scope can measure current and voltage with 12-bit resolution at a sampling rate of up to 200 kHz. The information is transferred to I-jet, which synchronizes the data with the running program counter, enabling it to be graphed in real time and analyzed using the C-SPY Debugger. The analysis can be used to reveal the power consumption of individual functions and peripherals, which I/O activity causes current spikes, and how much power is consumed in various sleep modes.

"We have seen a tremendous interest in Power Debugging, and I-scope adds another level to the technology," says Mats Ullström, Director of Products and Services, IAR Systems. "By using I-scope and the C-SPY Debugger, developers can gain insight into how to make their designs achieve the best power efficiency, without compromising performance. You will surely see further innovations from IAR Systems in this area, since we are determined to do what we can to make every design a low-power design."

I-scope is designed to be used as an extension to I-jet and will be available for delivery in Q2 2013. IAR Embedded Workbench is a complete development tool suite with support for all ARM cores. It features all the tools needed to develop high-performance embedded applications, including the powerful IAR C/C++ Compiler™ and the comprehensive C-SPY Debugger. Download free evaluation licenses from [www.iar.com/ewarm](http://www.iar.com/ewarm).

### Ends

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#### IAR Systems Contact

Fredrik Medin, Marketing Director, IAR Systems

Tel: +46 18 16 78 00      E-mail: [fredrik.medin@iar.com](mailto:fredrik.medin@iar.com)

#### About IAR Systems

IAR Systems is the world's leading supplier of software tools for developing embedded systems applications. The software enables over 14 000 large and small companies to develop premium products based on 8-, 16-, and 32-bit microcontrollers, 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](http://www.iar.com)