Baikal Electronics Selects Synopsys Solutions to Accelerate the Design and Verification of Their Advanced SoCs

Solutions Include DesignWare IP, Platform Architect, Galaxy Design Platform and Functional Verification

MOUNTAIN VIEW, Calif., March 16, 2015 /PRNewswire/ -- Synopsys, Inc. (Nasdaq: SNPS) today announced that Baikal Electronics, a Russian semiconductor company, has selected Synopsys' broad portfolio of IP, system-on-chip (SoC) architecture design and analysis tools and its Galaxy™ Design Platform, as well as its functional verification products for developing its SoC designs. The breadth of solutions adopted by Baikal Electronics include Synopsys DesignWare® IP, the Platform Architect™ tool with multicore optimization technology for architecture design and analysis, the Design Compiler® tool for synthesis, the IC Compiler™ product for place and route, IC Validator for physical verification, the StarRC™ tool for extraction, the PrimeTime® solution for static timing analysis and Synopsys Verification IP (VIP) and VCS® technology for functional verification. After a comprehensive evaluation of available solutions, Baikal Electronics chose to standardize on Synopsys' IP tools and design flow, which resulted in improved design efficiency.

"Our company has been established as Russia's first design center for high-performance, globally competitive microprocessors. We work to ensure that products we develop feature top-notch technologies and the most recent interfaces. Partnering with Synopsys, a recognized leader in electronic design automation and semiconductor intellectual property, will help to achieve our ambitious goals," said Svetlana Legostaeva, CEO for Baikal Electronics. "Its advanced tools for SoC architecture design and analysis, design implementation and functional verification, as well as proven IP, contribute to Baikal's competitive strength and improve our design productivity."

Baikal Electronics develops energy-efficient microchips for computer systems and industrial applications. Baikal CPUs and SoCs are to become the first original Russian offering for the mass IT market, boasting highly competitive properties in terms of technology node, performance and compatibility. Through partnership with Synopsys, Baikal products will be equipped with the most recent USB, PCI Express, SATA and Ethernet interfaces, while its advanced tools will enable the development team to implement and verify new designs more efficiently.

"To achieve their design goals in a timely manner, companies like Baikal Electronics are increasingly adopting the full Synopsys solution to accelerate the design and verification of their SoCs," said Bijan Kiani, vice president of product marketing, Design Group at Synopsys. "We are committed to helping our customers meet their design and time-to-market requirements by delivering a comprehensive solution comprised of leading technology and quality global support."

About Synopsys

Synopsys, Inc. (Nasdaq: SNPS) is the Silicon to Software™ partner for innovative companies developing the electronic products and software applications we rely on every day. As the world's 15th largest software company, Synopsys has a long history of being a global leader in electronic design automation (EDA) and semiconductor IP, and is also a leader in software quality and security testing with its Coverity® solutions. Whether you're a system-on-chip (SoC) designer creating advanced semiconductors, or a software developer writing applications that require the highest quality and security, Synopsys has the solutions needed to deliver innovative, high-quality, secure products. Learn more at www.synopsys.com.

About Baikal Electronics

Baikal Electronics is a Russian fabless semiconductor company that develops and markets ARM-based and MIPS-based processors and SoCs. The Baikal product line of multicore processors includes energy-efficient solutions for desktops and industrial computers with various levels of performance and functionality. Check the company's website for up-to-date information at www.baikalelectronics.ru.

Editorial Contacts:
Sheryl Gulizia
Synopsys, Inc.
650-584-8635
sgulizia@synopsys.com

Lisa Gillette-Martin
MCA, Inc.
650-968-8900 ext. 115
lgmartin@mcapr.com

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