



## **PRESS RELEASE**

# **Enea delivers software support for Texas Instruments' new TMS320C665x multicore DSPs**

**STOCKHOLM, Sweden and SAN JOSÉ, US, March 27, 2012** - Enea (NASDAQ OMX Nordic:ENEA) today announced full support for Texas Instruments Incorporated (TI) TMS320C665x multicore digital signal processors (DSPs), extending its comprehensive TMS320C66x generation of DSP platform support. The Enea solution is centered on Enea OSE@ck (<http://www.enea.com/oseck>), a DSP-optimized real-time operating system (RTOS) that takes full advantage of TI's KeyStone multicore architecture and Enea® Optima, a development and system level debugging suite fully integrated with TI's Code Composer Studio™ (CCS) integrated development environment (IDE). In addition, OSEck delivers Enea® LINX interprocess communications services (IPC) which make multicore applications easier to conceptualize, partition, scale, and integrate with Linux. For developers designing equipment for mission critical, industrial automation, imaging, video surveillance, medical and other applications, the combination of TI's high performance, low power C665x multicore DSPs and Enea's full-featured development solutions offers a powerful combination of performance, programmability and ease of use.

"TI's C665x multicore processors feature combined fixed- and floating-point capabilities, delivering real-time high performance at very low power levels," said Håkan Rippe, Senior Vice President Corporate Development, Enea. "With an extremely small form factor of 21mm x 21mm, the C665x DSPs enable portability, mobility and low power energy sources such as battery and interface powering to drive breakthrough products."

Enea OSEck is equipped with a Packet Flow Layer (PFL) that allows software developers to take full advantage of TI's KeyStone multicore architecture and Multicore Navigator to maximize data flow through-put over, for example, UDP/IP and Ethernet while utilizing the processing power in the C66x core. Enea OSEck's PFL drives system performance through packet acceleration and classification by accessing hardware queues on the new C66x DSP generation. Enea is also using its LINX IPC to take advantage of hardware queues and the new direct memory access



(DMA) capabilities, providing efficient message passing IPC between the two, four, or eight C66x cores, and integrating with Linux.

“Our customers have already seen success in our power optimized, smallest packet form C665x multicore DSPs,” said Ramesh Kumar, Business Manager, Multicore Processors, Texas Instruments. “With the comprehensive support of the Enea® Optima suite, we look forward to offering our customers the option of a commercial DSP operating system for a wide variety of markets.”

In addition to OSEck, Optima and LINX, Enea has additional complementary software for TI's C66x devices including DSPNet, a compact, high-performance secure IPv4/v6 stack optimized for OSEck and DSP applications and Enea dSPEED, which provides management, debug and error handling services for developing, deploying, and maintaining DSP applications. Enea's software fully supports TI's Multicore Software Development Kit (MCSDK) on all new two, four and eight C66x DSP cores, including TMS320C6655, TMS320C6657, TMS320TCI6616, TMS320C6670, TMS320C6671, TMS320C6672 TMS320C6674 and TMS320C6678 devices.

#### **About the Texas Instruments Design Network**

ENEa is a member of the TI Design Network, a premier group of independent, well-established companies that offer products and system-level design and manufacturing services complementing TI's semiconductors to a worldwide customer base to accelerate product innovation and time-to-market. Network members provide product design, hardware and software system integration, turnkey product design, RF and processor system modules, reference platforms, software development, proof-of-concept design, feasibility studies, research, certification compliance, prototyping, manufacturing, and product life cycle management. For more information about the TI Design Network, please visit <http://www.ti.com/designnetwork>.

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## About Enea

Enea is a global software and services company focused on solutions for communication-driven products. With 40 years of experience, Enea is a world leader in the development of software platforms with extreme demands on high-availability and performance. Enea's expertise in realtime operating systems and high availability middleware shortens development cycles, brings down product costs and increases system reliability. Enea's vertical solutions cover telecom handsets and infrastructure, medtech, automotive and mil/aero. Enea has offices in Europe, North America and Asia. Enea is listed on NASDAQ OMX Nordic Exchange Stockholm AB. For more information please visit <http://www.enea.com> or contact us at [info@enea.com](mailto:info@enea.com).

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