



## **PRESS RELEASE**

# **Enea launches Linux Base Station Platform for Freescale multi-standard SoC targeting Next Generation Radio Access Networks**

## **LTE/ LTE-Advanced eNodeB and WCDMA/HSPA+ NodeB**

**STOCKHOLM, Sweden and SAN ANTONIO, US, June 20, 2012** – Enea® (NASDAQ OMX Nordic:ENEA), the world's leading operating system solution vendor for 3G and 4G infrastructure equipment, is today announcing the Enea® Linux Base Station Platform targeting multi-standard Radio Access Networks.

More than half of the world's installed base of macro cell base stations and more than half of the world's LTE population coverage is powered by Enea software. Building on that momentum, expertise, and customer trust, the Enea Linux Base Station Platform is designed to fit Freescale's System-on-Chip (SoC) architectures adapting to the expanding standards of LTE and HSPA with support for different standards simultaneously.

For mobile broadband equipment manufacturers, the Enea Linux Base Station Platform provides an integrated software foundation bringing an effective use of resources to the system, including core utilization and performance, thereby reducing the bill-of-material (BOM) cost. Thanks to a proven set of Enea software system components targeting base stations, time-to-market (TTM) and risk are reduced.

"The Enea Linux Base Station Platform provides a high performance implementation for both Macro/Micro cells and Small cells that are based on Freescale QorIQ®, StarCore®, and QorIQ Qonverge™ SoC series platforms ", says Barry Stern, Baseband Product Line Marketing Manager, Freescale Semiconductor. "We work closely together with Enea to create the perfect match for SoCs such as the QorIQ Qonverge B4860 and our latest addition QorIQ Qonverge B4420, targeting Metro/Micro base stations deployment".

The Enea Linux Base Station Platform encompasses the Enea Linux distribution with real-time capabilities and IP transport, IPC communication, plus tools and middleware needed by the 3G



and 4G LTE stack and use-case specific application parts to implement a high performance base station/small cell product:

- Enea Linux
  - Yocto-based Linux distribution with customized services and support.
  - A complete, hardened embedded Linux with networking and telecom focus.
- Light-weight Run-time (LWRT)
  - LWRT extends the real-time capabilities of Linux and allows timing critical applications to execute in Linux user-space. Reduced interrupt latency and deterministic and low-overhead thread scheduling enables applications such as LTE L2 scheduling to run on top of Linux with maximum performance.
- Enea Packet Acceleration Foundation (PAX) – IP Transport
  - Ready-to-use building blocks for base station communication with controller / core network.
  - A user space implementation that utilizes Freescale QorIQ and Qonverge hardware functions and accelerations for scalability and performance.
  - Low-overhead user-extensible foundation with support for tracing and profiling.
- Enea LINX
  - High performance and scalable messaging based IPC.
  - One IPC solution for intra/inter core/device control and data plane messaging within the base station main unit and with the radio unit.
- Enea Hypervisor
  - Specialized systems virtualization solutions through the micro kernel based Enea Hypervisor for high-performance, deterministic embedded code.
- Enea OSEck
  - A multicore DSP Layer 1 (PHY) run-time, communication, and Linux DSP management foundation for multi-standard macro and small cell implementations.
- Enea Element
  - Middleware simplifying the development of telecom-grade distributed systems by providing frameworks for messaging, debug and trace, management, and high availability, including in-service software upgrade.

The Enea Linux Base Station Platform comes with a customizable range of services and support, maintenance and continued development of the integrated product. Upgrades and updates providing new versions of Enea products and open source software in the integrated product are made according to customer needs.



The Enea Linux Base Station Platform will be available for evaluation in the third quarter of 2012. For more information visit [www.enea.com/software/solutions/base-station/](http://www.enea.com/software/solutions/base-station/) or contact:

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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 [enea.com](http://enea.com) or contact us at [info@enea.com](mailto:info@enea.com).

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