

## NEWS RELEASE

## Enea Announces Industry's Most Advanced High Availability Middleware Solution

### *Enea Element 3.0 Features SA Forum AMF Implementation, In-Service Upgrades, and Advanced DSP Management Support*

**IPTV World, London, UK and MVA Conference, San Francisco, CA - March 11, 2008** – Enea (Nordic Exchange/Small Cap/ENE A), a world leading provider of network software and services, today announced Enea® Element 3.0, the industry's most advanced middleware platform for building carrier grade network equipment. Enea Element 3.0 provides a number of key features that enhance service availability, including a full implementation of the SA Forum's Availability Management Framework (AMF), support for in-service upgrades, and the ability to manage DSP farms in the user plane.

"Enea Element 3.0 is the first comprehensive commercial off the shelf middleware package to address all aspects of a system's service availability and manageability," said Terry Pearson, vice president of marketing for Enea. "Enea Element has the most proven reliability and quality track record in the industry, as evidenced by its deployment by a wide variety of customers from tier 1s to start ups."

Enea Element is a high-availability, standards-based middleware platform for building robust, high-performance applications that integrate hardware and system software components into a cohesive communications platform. Enea Element gives equipment makers the COTS middleware platform they need to rapidly deliver next generation communications systems while lowering costs, reducing risk and focusing development efforts on innovation and differentiation.

Enea Element provides core services for instrumenting, monitoring, and synchronizing applications spread across multiple operating systems and processors. It also provides network supervision, fault management, and shelf management services that make it easier to monitor, repair, configure, and upgrade live systems as they operate in the field.

Enea Element 3.0 enhances fault management flexibility and maximizes up time by providing full support for the SA Forum Availability Management Framework, the most mature component of the SA Forum's Application Interface Specification. Included are new redundancy models for 2N, N + M, N-way, and N-way-active configurations, fail-over modes that enable active and stand-by components to reside on the same or different nodes, and flexible, configurable, "health monitoring" capabilities. Developers can now map the best redundancy model to their application, thereby reducing development time and cost, and enhancing performance.

Enea Element 3.0's in-service upgrade feature also reduces down time associated with system upgrades, extending existing support for cluster-wide, mixed-application version management to individual components or nodes. This fine-grain capability enables individual components (and other affected nodes) to be selectively loaded and restarted in a coordinated fashion on a system-wide basis, thereby increasing service availability and simplifying both upgrades and system maintenance.

Enea Element 3.0 provides full support for the Enea dSPEED Platform, which features DSP management and debug services such as start up and configuration, monitoring, event notification, logging, tracing, diagnostics, statistics, and remote debugging. This integrated management solution, the first of its kind to span both the "control plane" and the "user plane", provides fault detection, DSP core isolation, recovery, coordinated restart, and notification features that enable DSP failures to be contained and repaired - limiting packet loss and network degradation.

"Carrier Grade reliability is critical for 4DK as we create a new wireless user experience that focuses on interoperability and exploits the full potential of next-generation, all-IP technologies," said Tamara Casey, 4DK CEO and co-founder. "Enea Element is the industry's most advanced middleware platform for building innovative network elements. That's why we chose it as the platform for our SuperConnectivity™ product suite, which is designed to provide a higher level of service integration and interoperability than has ever been experienced across the wireless ecosystem."

#### **About Enea**

Enea (Nordic Exchange/Small Cap/ENEA) is the leading supplier of real-time operating systems, middleware, development tools, database technology and professional services for high-availability systems such as telecommunications infrastructure, mobile devices, medical instrumentation, and automobile control/infotainment. Enea's flagship operating system, Enea OSE, is deployed in approximately half of the world's 3G mobile phones and base stations. Enea has over 550 employees and is listed on the OMX Nordic Exchange Stockholm AB. For further information on Enea, please visit [www.enea.com](http://www.enea.com).

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