

# TELIT NETWORKS AND NATURAL MICROSYSTEMS DEVELOP GSM-BASED WIRELESS SYSTEM FOR ENTERPRISES AND CAMPUSES

Submitted by: Pleon  
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...extending the power of office telephone systems to mobile phones...

Natural MicroSystems (NMS), the technology leader enabling a new era of communications, today announced a new partnership with Telit Networks, leading manufacturer of GSM networks and special applications terminals, to develop a GSM-based in-building wireless solution extending the power of the office phone to mobile handsets.

NMS' TX 3220C and Fusion/Convergence Generation (CG) 6000C platform products are at the heart of the system, along with custom-built software developed by NMS' NaturalEdge Engineering Consulting group. The Nanonet system, specifically targeted for short-range areas such as small/medium businesses or campuses, will allow corporate users to use their mobile phones like any other fixed phone connected to the PBX. Users will place internal calls using only the internal extension number, place external calls through the PBX, and be reached from internal extension lines or outside lines - all from the same telephone number at their desktop. Outside the covered area, the mobile phone will act as a standard mobile phone.

"NMS is a superb partner for Telit Networks in developing our in-building GSM wireless system," said Mr. Decio Ongaro of Telit Networks. "The company offers us a breadth of enabling technologies that have stood the test of real-world deployment, including IP, wireless and wireline interfaces. A rapid development cycle is also essential to us, which makes NMS' ability to act as an experienced consulting partner extremely important, allowing us to meet a very aggressive timeframe for delivery."

According to research from the EMC World Cellular Database, the worldwide GSM subscriber base is estimated at approximately 330 million in June 2000, and predicted to more than double to over 730 million by the end of 2004. In response to this overwhelming adoption, in-building wireless

systems present a new opportunity for companies to provide mobile professionals with the reach and features of sophisticated office telephone systems, with the convenience of one telephone and number. Benefits include increased user satisfaction and efficiency, in addition to a reduction in communications costs associated with expensive fixed-to-mobile phone calls. Communications equipment providers gain a way to supply an even broader range of wireless offerings that support new "mobile" services, allowing carriers to maintain customer loyalty among existing users, and to serve the booming number of new cellular subscribers.

#### Notes to Editors

By calling on NMS as a partner to develop this system, Telit Networks is garnering a vital advantage in applying its advanced GSM network technologies to a new wireless communications system that meets the cost and operational requirements for concentrated geographical areas of users. Chosen for its flexibility and functionality, the NMS TX3220C high-performance communications platform provides a powerful and flexible hardware for a variety of Signaling System 7 (SS7) applications and for a wide variety of enhanced services for use in the Telit Networks' Nanonet system.

In addition, NMS' Fusion/CG 6000C has been developed from the ground up to address packet-intensive convergence applications, making it an excellent choice for use within the Nanonet system. The CG 6000C supports up to four E1 interfaces and has the digital signal processing (DSP) resource to implement custom product functionality Telit Networks needs. Custom capabilities include GSM Full Rate (FR) service and Enhanced Full Rate (EFR) transcoding when required, as well as subrate switching for communication between Base Station Controller (BSC) and BSC or between BSC and Mobile Switching Center (MSC).

NMS' Natural Access software environment for the CG6000C provides the protocol support, along with the Fusion IP gateway technology and the necessary infrastructure to implement other required features such as packetization and framing. This comprehensive foundation of hardware, software and expertise allows NMS and Telit Networks to deploy a

robust and highly scalable wireless solution for use across enterprises and campuses - while enjoying accelerated time-to-market in the exploding wireless market.

#### About Telit Networks

Telit Networks S.p.A , located in Via E. Mattei 21, Chieti Scalo (Chieti), Italy, designs and manufactures a broad range of network technologies and special application terminals for use in GSM networks. A part of the Telit Group, a leader in mobile and advanced telecommunications systems, Telit Networks focuses specifically on the radiomobile networks within the European Contract Electronics Manufacturing market. Telit Group, originally part of Telital S.p.A. (which changed its name into Telit Mobile Terminals in 1999), was founded in 1986 by a group of engineers that provided research and development to large international corporations. Since then, the Group's evolution has been characterized by a rapid pace of development, unique to the Italian telecommunications market, and the validity of its strategies has been further confirmed by the institutional investors. The Telit Group's investments and acquisition have enabled it to operate on the global telecommunications market with a wide range of products, such as Telit Mobile Terminals, currently featured as the only supplier of the dual mode Satellite/GSM900 terminal for the Globalstar network. For more information about Telit Networks or Telit Group, please visit <http://www.telital.com> or call +39-0871-5854-332.

#### About Natural MicroSystems

Natural MicroSystems (NASDAQ: NMSS) is the technology leader making it possible for the world's top networking and communication equipment suppliers to create and accelerate communications infrastructure and services. The Framingham, MA company designs, develops and supplies network-quality hardware and software components and provides design and customization services that are enabling a new era of communications. Deployed in close to 50 countries, NMS' products and technologies are at the foundation of today's high-value communications systems, including network-based enhanced service platforms, media and access gateways, media servers, voice portals, web-enabled call centers, unified messaging platforms and wireless networks. NMS has a long

history of technology innovations that advance the rapid growth of the communications industry worldwide, including breakthroughs such as the first complete open IP gateway, the first complete open packet media server and leadership in bringing open, scalable CompactPCI to the telecommunications industry. More information about NMS is available at <http://www.nmss.com>.

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