

## Euro Innovations Newsletter

The Euro Innovations Newsletter is a publication that will focus on areas where Europe occupies a leading position. These include mobile networks, IMS, fixed-mobile convergence, IPTV and Triple/Quad play. This is not a flag waving exercise, but innovation in these areas means that Europe is well poised to take a lead in the strategies, services and applications that will shape the way we communicate and collaborate and access information and entertainment content in future.

That bold statement is based on the fact that we have become a mobile society and we can foresee the day when broadband wireless connectivity will be pervasive in the industrialized countries. Moreover in a few years around five billion people will be using a mobile phone. Thus, it is hard to exaggerate the importance of the wireless technology.

### Would you like to Contribute?

Contributions to this newsletter are welcomed. Please email them to [ei\\_contribute@pulvermedia.com](mailto:ei_contribute@pulvermedia.com)

### Subscription Information

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## VoIP Over HSPDA for PCs and Mobiles

Movial ([www.movial.com](http://www.movial.com)) has announced that FarEastTone, a Taiwanese network operator, has selected the company's Communicator Mobile and PC client application suites to launch VoIP over HSDPA on PC and mobile devices. This allows the operator to reach millions of new broadband wireless subscribers as well as current DSL users.



***HSPDA (High-Speed Data Packet Access) provides DSL type performance to mobile devices, PCs as well as cell phones. The air interface employs IP so it is ideal for VoIP and voice quality is superior to that of VoIP over Wi-Fi.***

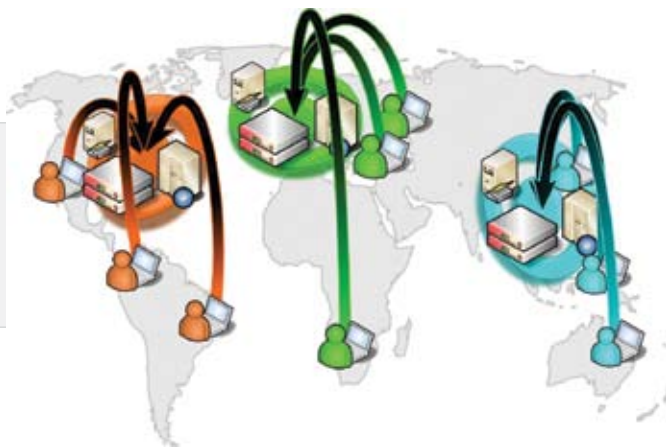
Movial Communicator Mobile is the suite of applications that is enabling FarEastTone to launch services as presence (as illustrated), IM, VoIP and 3-way calling. Other services in the suite include instant conferencing, push-to-video, music sharing, and news across different devices and protocols.

This development also indicates how mobile network operators are starting to compete for consumer broadband against DSL and cable providers. And in this particular case it also shows operators can brand their service offer.

## Application Management and Load Balancing

Zeus Technology ([www.zeus.com](http://www.zeus.com)) has partnered with NetBenefit ([www.netbenefit.com](http://www.netbenefit.com)). NetBenefit will offer ZXTM (Zeus extensible traffic manager), ZXTM VA (ZXTM virtual appliance) and ZXTM GLB (ZXTM global load balancer) as part of its web hosting solutions, which include managed hosting, dedicated servers and business critical hosting.

Zeus offers advanced traffic management solutions as pure software that can be deployed on either dedicated servers or in virtual environments. This allows service providers such as NetBenefit to offer scalable and flexible layer 7 application traffic management solutions. The company has also partnered with SMC ([www.smc.com](http://www.smc.com)), which targets the SMB markets Gig/10G switching and wireless solutions via value-added resellers.



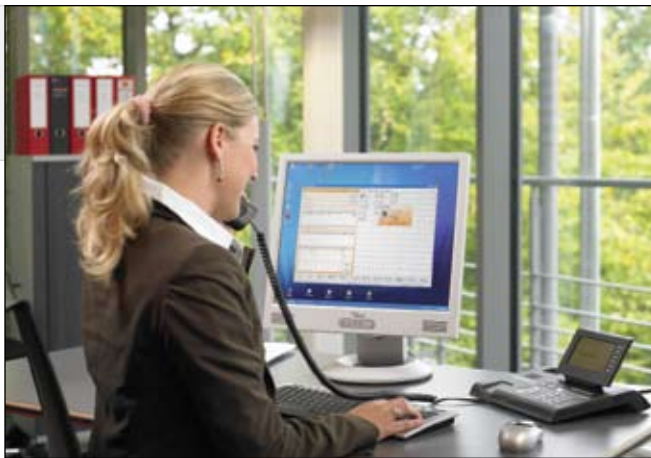
*End users get a better service quality when they access applications and services from a local datacenter. Local in this case means being on the same continent as opposed to the other side of the world.*

Zeus and server load balancing have been around for several years, but the importance of this technology has grown in line with the increased use of Internet-centric services, many of which run from computers located in different data centers around the world. Using multiple locations brings content closer to the users and it also improves resilience in the event of site attacks or a data center failure.

Global load balancing enables the transparent delivery of these services and applications, i.e. it allows them to perform as a single virtual data center. It monitors the performance and availability of each of the services as they run in the different locations. This allows the solution to manage user's requests for access, i.e. it directs each user to the most appropriate service point based on the current performance, service availability and geographic locations. Load balancing also eliminates the need to over-engineer sites in order to handle peak traffic in the different time zones.

## Dedicated UC Appliance for SMEs

Siemens Enterprise Communications ([www.siemens.com](http://www.siemens.com)) has rolled out HiPath OpenOffice ME, an IP-based, UC toolset designed specifically for companies having between 20-150 users. Siemens says that it has avoided the pitfalls inherent in downsizing enterprise class products by designing a solution that can be installed in just a few hours, with no additional devices, applications or accessories. OpenOffice ME ships with the software pre-installed on a server. Nevertheless the functionality is almost identical to that of the enterprise-class OpenScape product.

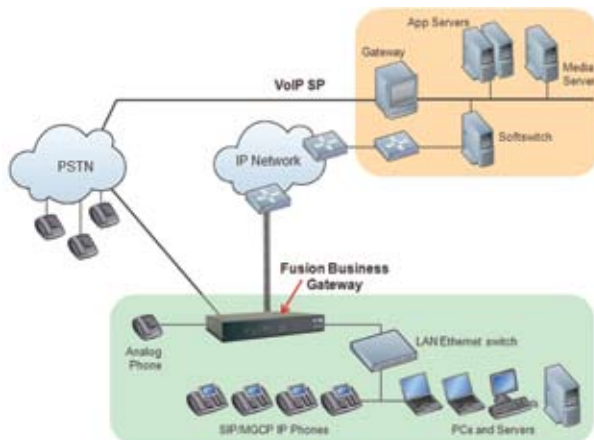


*The operator console of OpenOffice ME. DDI is a big time saver when you know the party's extension, but IVR and speech recognition systems that ask you to speak the party's name are no substitute for a live person.*

For example, the presence capabilities include the ability to control availability and indicate the best ways to be reached. Drag-and-drop conference management leverages presence, allowing users to select available persons in order to initiate multi-party conference calls on demand. In addition, 'call me' scheduling for each party to receive an automated call that brings them into the conference at the agreed time. Other features include file sharing capabilities and a single mailbox for emails, voicemails and faxes.

## Multi-service Gateways for SMBs

U4EA Technologies has extended its multi-service business gateway product line to meet the needs of small-to-medium businesses. The company's Fusion 200 and Fusion 400 Series are integrated IP communications devices that connect to the LAN and enable connectivity to the PSTN and the IP network of the service provider.



**Connect the LAN to the Gateway and the Gateway to the world.**  
(see diagram to left)

The Fusion series was developed specifically for SIP-based networks that carry multiple real time applications that coexist with data and other streaming IP media. They interoperate with multiple VoIP solutions (both IP-Centrex and IP-PBX) and multiple vendors' IP Phones. They also support VPN connections between multiple locations, allowing an IP-PBX at one site to serve multiple offices.

A key feature is U4EA's GoS technology, which guarantees (the G in GoS) the delivery of real-time traffic such as voice or video calls, streaming media, and higher priority data traffic. There are up to nine protected service classes. Because bandwidth is managed in real-time, unused bandwidth does not need to be reserved or over-engineered.



# Monthly Newsletter from Pulvermedia

Edited by Bob Emmerson, European Editor of VON Magazine

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## Short Takes

**Skype and mobile operator 3** have launched 3 Skypephone ([skype.com/3skypephone](http://skype.com/3skypephone)), a handset that lets 3's subscribers make Skype to Skype calls and send free Skype IMs from their mobile phone to other Skype users. This is said to be the first time a mobile operator has offered a consumer device which is tailor-made for free calling over the Internet from a wireless phone.

**Synchronica** ([www.synchronica.com](http://www.synchronica.com)) has announced that UK iPhone owners can now turn their new handset into a business phone by adding a secure corporate e-mail service free of charge with just a few clicks. This development follows a successful trial running in the US.

**CSR** ([www.csr.com](http://www.csr.com)) has launched RadioPro, a Wi-Fi Internet radio example design based on the company's UniFi single-chip WiFi technology. RadioPro provides wireless streaming without the need for a PC and it can support over 10,000 radio stations through a dedicated internet radio portal. The bill of materials is less than \$15, which the company says is the lowest cost Internet radio solution available today.

**Ingate** ([www.ingate.com](http://www.ingate.com)) and Broadvox ([www.broadvox.net](http://www.broadvox.net)) have partnered to offer an integrated SIP trunk solution that simplifies installation. The Ingate gateway product is preconfigured to work with Broadvox GO! SIP Trunking, so all that's needed is to push a button.

**The Femto Forum** ([www.femtoforum.org](http://www.femtoforum.org)) has announced Alcatel-Lucent, NEC, Nokia Siemens Networks and Telefónica O2 have been elected to the board.

**emoze** ([www.emoze.com](http://www.emoze.com)) has upgraded its free software that provides secure push email to mobile phones. Google Apps are now supported. Google Apps offers families, business and educational institutions the capability to create their own domain name for emails with professional addresses like [johnsmith@mycompany.com](mailto:johnsmith@mycompany.com). Emails can now be pushed to the consumer's mobile device even from private domains on the Google server. Note to observant readers: emoze is an Israeli company but since this country takes part in European football events as well as the European Song Festival this company has been included and others will follow in future.

Finland has a long list of wireless 'firsts' and 3G operators in Europe will be watching the deployment of the first 900 MHz W-CDMA network by the Finnish operator **Elisa** ([www.elisa.com](http://www.elisa.com)). This frequency band is expected to improve 3G's network coverage, particularly indoors.

**Aculab** ([www.aculab.com](http://www.aculab.com)) has introduced ApplianX Gateway for Microsoft Office Communications Server 2007. In addition to supporting a range of worldwide protocols and being easy to install and configure, this product incorporates the Mediation Server function of OCS. This facility provides high quality audio through the Microsoft RT Audio Codec and VoIP security features such as SRTP and TLS.

**Enea** ([www.enea.com](http://www.enea.com)) has announced the availability of dSPEED Platform, said to be the first commercial, high-availability platform designed to manage clusters of DSPs.

