



Tony Blair
British Prime Minister



Edoardo Musso
President and CEO
of Primeur



Ian Watmore
UK e-Envoy

ITP
€50.00

www.euitp.com

itp **europa** report



JOSEP BORRELL

**PRESIDENT,
EUROPEAN PARLIAMENT,
OUTLINES HIS VISION
FOR EUROPE ...**

WEB ANALYTICS

**THE INDUSTRY LEADERS
DISCUSS THE MAIN ISSUES
IN THE PUBLIC SECTOR**

e-LEARNING

**ITP SPEAKS EXCLUSIVELY
TO HUNTERSTONE,
SANAKO AND ITG**

MICROSOFT'S

APPROACH TO e-GOVERNMENT SOLUTIONS

e-ENVOY / e-GOVERNMENT

IAN WATMORE - BRITISH HEAD OF e-GOVERNMENT

THE AGENDA



PIONEERING THE WIRELESS REVOLUTION

Talgajarda has effectively provided a new, better and less expensive option into the mobile, wireless market

Talgajarda was formed in January 2004 to start its commercial leg in the wireless, mobile marketplace. Its main product is the Wavebend Scalable Access System, a high-performance wireless server, running server-side, hard-coded Wavebend software. The Wavebend Scalable Access System is the first 100 per cent deployment-ready, all-encompassing product, which provides wireless connectivity and seamless local/global roaming without handoffs or network broadcasts for 802.11 network mobile

and static hosts. Due to its unique architecture and technologically advanced nature it can not only be used as a replacement for 802.11 access points and base stations, but it can be used most importantly as a replacement for 3G, GPRS and related technologies, while still maintaining full compatibility with the 802.11 (a/b/g) standard.

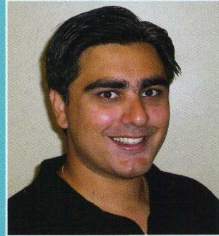
A Complete Wireless Package

Service providers have the option to either use the Wavebend Scalable Access System along with 3G, GPRS and related technologies, or in place of them. The Wavebend Scalable Access System offers a complete wireless package, which includes all hardware like antennas, connectors, splitters, amplifiers and more, everything needed for ready deployment. Talgajarda has very effectively provided a new, better and less expensive option into the mobile, wireless market today.

The Wavebend Scalable Access System consists of two main parts, namely the Static Wavebend and the Extended Wavebend. The Static Wavebend is a wireless server, which performs the wireless-to-wired network integration. It does not interact directly with any mobile or static host. It only interacts with the Extended Wavebend, which in turn provides the connectivity to the mobile or static host. Talgajarda gives free software to share Internet, shape bandwidth of an individual or a group of mobile/static hosts, and authenticate them at MAC address level. The Extended Wavebend is a wireless server, which is placed at the coverage area site, and communicates with the mobile and static hosts. Each Static Wavebend can interact with up to eight Extended Wavebends, and therefore, mobile hosts roaming through these different Extended Wavebend coverage sites have seamless roaming with a persistent connection to the Internet. Likewise, any number of Wavebend Scalable Access Systems can exist with completely different Internet gateways while still maintaining the seamless roaming semantics to the mobile hosts with a persistent connection to the Internet.

If the Static Wavebend cannot see the Extended Wavebend due to any form of obstruction, then one or more Hop Wavebends would need to be used. The Hop Wavebend is also a

THE AGENDA



Mehul Sharma - Founder and President, Talgajarda.

Mehul invented and developed the Wavebend Scalable Access System technology as the next generation in Wireless 802.11 Network Architecture. Besides his extensive knowledge on the wireless front, Mehul also has experience in the fields of pharmaceuticals, law and economics, and has developed his own range of supercomputers.



wireless server used to reach the Extended Wavebend. Up to five Hop Wavebends can be used to reach each Extended Wavebend, and the distance between each hop can be between 10-20 miles or more.

Beyond the Static, Extended and Hop Wavebends, all appropriate hardware comes included with the Wavebend Scalable Access System. The Wavebend Scalable Access System does not solve just a part or parts of a problem for the service provider, but solves the problem as a whole. The following is a list of some specific areas where the Wavebend Scalable Access System has shown considerable performance enhancements.

The Wavebend Scalable Access System

The first issue is that of scalability. Here scalability refers to the network



capacity to accommodate mobile and static hosts. The scalability directly depends on the bandwidth provided at the air interface and then at the internet-sharing gateway. Today 3G wireless networks are capable of throughput up to 384Kbps in theory (in reality it's a different picture), and even this throughput is drastically reduced by the handoff mechanisms provided by the Mobile IP base. Talgajarda's Wavebend Scalable Access System uses its specialised Scalable Transmission Control Architecture, which automatically, dynamically and transparently provides high throughput during heavy network load conditions, high-delay link and noise conditions. The throughput remains high, as there are no handoffs, no network broadcasts or tunnelling involved. Talgajarda's 802.11 a/b/g Wavebend Scalable Access System can provide up to 54 Mbps. Between 13,800 and 14,200 mobile and/or static hosts can be accommodated for one 802.11 a/b/g Wavebend Scalable Access System, at 4-6 kbps of shaped bandwidth at the lower end. The number of mobile and/or static hosts increases up to 50 times or more with the use of separate, multiple 802.11 a/b/g Wavebend Scalable Access Systems with the implementation of the Spatial Tiers and Domains System. The importance of superiority at the air interface level is the second issue in providing wireless, seamless roaming service. The Wavebend Scalable Access System uses its unique Spatial Channel Spread

Wavebend Scalable Access System is an all-encompassing, 100% deployment-ready product. It includes:

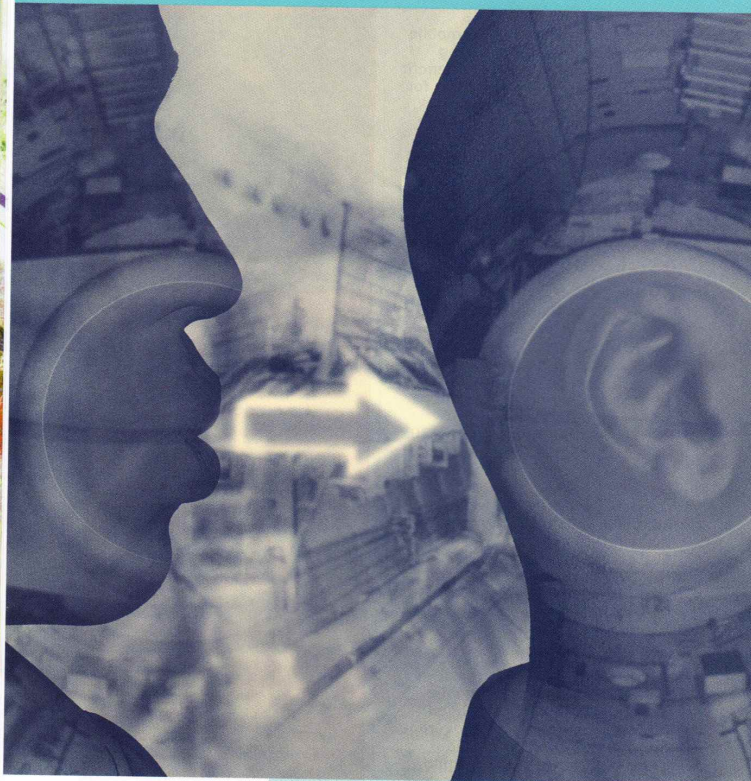
Scalable Transmission Control Architecture

"As and When" Network Appearance and Disappearance Mechanism

3-Dimensional Multi-Polarized, Multi-Path, Multi-Plane Antennas

All necessary hardware including radios, amplifiers, connectors, cables and more, everything needed for its immediate deployment

WIRELESS HEAD-TO-HEAD



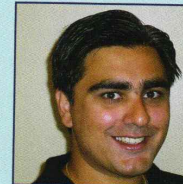
Hermann-Josef Müller
– Managing Partner –
Detecon

On January 1, 2002, Hermann-Josef took over responsibility for the Industry Segment Telco Provider Europe within Detecon International GmbH. As Managing Partner he answers for acquisition and execution of all consulting projects in this segment with a strong focus on CEE countries. During his more than 20 years with Detecon he acquired a profound knowledge in the Telecom Industry especially with fixed and mobile operators worldwide.

ITP puts the questions to two of the leading wireless providers ...

Mehul Sharma – Founder and President of Talgajarda.

Mehul invented and developed the Wavebend Scalable Access System technology as the next generation in Wireless 802.11 Network Architecture. Besides his extensive knowledge on the wireless front, Mehul also has experience in the fields of pharmaceuticals, law and economics, and has developed his own range of supercomputers.



HEAD-TO-HEAD