

## Wireless Network Security – Less is More

### Business Opportunity

The Location Enabled Wireless Security System (LESS) provides perimeter security for wireless networks. It is designed to stop intruders using mobile devices such as laptops, mobile telephones and PDA's from accessing a wireless network when they are outside a defined area.

In the office-based Wireless Local Area Network (WLAN) environment, security concerns are a significant deterrent to deployment and use. LESS reduces the threat for LAN's and for providers of military wireless networks and mobile e-commerce services.

There is significant opportunity for LESS with the wireless security market estimated to be worth US\$8 billion/yr by 2008, with US\$350 of this for WLAN security solutions.

LESS offers significant benefits over existing systems by using two independent positioning techniques and applying advanced risk assessment methodologies.

NewSouth Innovations is seeking collaborators and licensees to develop and deploy the technology.

### The Market

**The Application** Information technology security is a major concern for system users and administrators. The proliferation of wireless networks and mobile communication devices has increased the opportunity and threat of attack. Gartner predicted that 30% of wireless networks would be compromised in 2005.

LESS provides an additional layer of security that complements and enhances commonly used security techniques. The footprint created by a standard office wireless network means that it is accessible in nearby buildings, on the street outside or on adjoining floors. Creating a virtual perimeter, LESS allows a network administrator to limit access to those within a defined physical location. The security thresholds can be dynamically altered to suit prevailing circumstances and threat levels.

LESS can be deployed as a standalone product to be used in conjunction with existing measures or be integrated into a suite of security products.

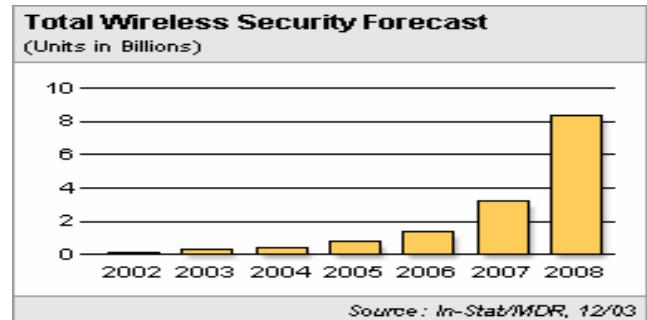
**The Market Size** The wireless security market is expected to grow strongly. In-Stat, a US market research company, predicts the market for infrastructure, devices and LAN wireless security will grow to US\$8.4 billion/yr by 2008, Frost & Sullivan believe the WLAN component of this will be 4%.

LESS has two primary channels to market, firstly, LAN and military equipment manufacturers could build it

into their product ranges and secondly, IT security consulting companies could integrate it into currently deployed LAN's.

**The Benefit** Location based security is a new field with few competitors. Existing offerings use only wireless signal strength that is relatively easily fooled. The combination of two independent positioning techniques, such as wireless signal strength and GPS, makes it virtually impossible for network attackers to gain access.

The presence of secondary positioning techniques such as GPS has been reinforced by recently enacted E911 legislation in the USA, requiring all mobile communication devices to be able to identify their location.



The wireless security market is predicted to grow strongly.

### The Technology

The key patent has progressed past PCT stage and the international preliminary examination has shown it to occupy a novel position.

### The Team

The technology was developed by Dr Robert Malaney, a senior lecturer with the School of Electrical Engineering and Telecommunications at UNSW.

NewSouth Innovations, the technology transfer business of UNSW is responsible for the management of the project.

### Investment Opportunity

NewSouth Innovations seek a partner with relevant expertise and interest to accelerate the development and commercialisation of the product.

#### Further Information:

Alan El-Kadhi

Manager – Physical Sciences & IT

T: +61 2 9385 7772

E: a.el-kadhi@nsinnovations.com.au

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