

# Online Security threats counteracted as new Secure Communications system is launched

Submitted by: MH Invent Limited

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New security system uses patented technology to secure client-server communications and protect against Internet communication vulnerabilities

UK-based MH Invent Ltd (MHI) (<http://www.mhinvent.com>) has today launched three products (Hawk, Eagle and Merlin) which are designed to secure communication between services and users. The suite of products offers a radical new approach to tackling the ever-increasing threats to online security.

MHI's Secure Communications Suite redesigns the security model incorporating simple methods that make it possible to secure communications end-to-end between users and services even across a 'broken' network. These solutions are device and protocol agnostic and require no certificates or tokens (but are fully compatible with legacy security infrastructure) and are designed to support any service from online banking to cloud services. The suite works by creating a secure client that creates multiple secure tunnels. This is further strengthened using MHI's own, patented, anti-tamper and anti-cloning technology. The service supports forensic audit, location validation and network identification. Furthermore the patented image-based authentication option entirely removes the need to transmit user names or passwords. The services within the suite can be used stand alone or integrated into one family of products depending on user requirements.

MHI's solutions are designed to protect against threats, vulnerabilities and exploits including attacks on the user (social networking scams, identity fraud, phishing), the user's device (keylogging, man-in-the-browser/Trojans, malware, spyware) and against the network or service (man-in-the-middle, cross site scripting, brute force and denial of-service attacks).

MHI's Chief Scientific Officer, Mike Hawkes: "The Internet was never designed with security in mind - it was designed to share information not to protect it. So organisations have had to integrate a range of solutions in an attempt to make their networks and services as secure as possible. We have taken the approach that every part of the network (or any device) is already comprised, and have therefore created a secure client server environment, which provides an easy way to implement, deploy and manage security. As companies can use our services with their existing security solutions we are confident we can provide the necessary resilience to combat the ever-increasing risks inherent with online communications."

MHI's solutions are available now and demonstrations of the services are being offered to organisations requiring further information. MHI are also interested in hearing from potential partners.

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Editors Notes:

Hawk is the underlying platform that secures any communication between users and services regardless of the device used. Hawk works without certificates, tokens or any other complex mechanisms and is so

flexible that it can work with any legacy equipment or infrastructure.

Eagle is a unique picture based login method making it stronger than standard 2-factor authentication and removes the need for any form of tokens or secondary device. This generates an extremely long, one-time passcode that is immune to man-in-the-middle, keystroke or screen logging and it prevents most social engineering scams or shoulder surfing exploits.

Merlin is MHI's own Patented Stream Cipher, Merlin that uses standard hardware and is up to 10 times faster than AES 256 bit encryption running on similar equipment. Merlin is non-algorithmic and therefore is not susceptible to algorithmic encryption cracking techniques.

Photography is available to accompany this release and MHI will offer demonstrations of the service at any time.

MHI (MHInvent Ltd.) is a UK based developer of next generation secure communications technologies and protocols, with global patent coverage. MHI designs and implements core technologies that enable secure application level client-server networking solutions that feature encrypted tunnels, enhanced image based authentication and high speed / low overhead cryptography. MHI technology is free from certificates, tokens or other complex mechanisms, and is especially suited to mobile and touchscreen devices; it is device & platform independent, transparent to network and application protocols, and compatible with multiple application and service types.

MHI was founded in 2009 by Mike Hawkes. As Chairman of the Mobile Data Association (UK) and a former member of the GSMA Security Committee, and with a history of successful patent applications and product launches in his commercial life, Mike is a well-known and respected figure in the industry.

MHI delivers solutions to the market by way of strategic industry partnerships, and is actively working with OEM partners globally, to enable solutions in diverse vertical markets and industries.

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