P r e s s   R e l e a s e

Embedded Virtualization and Security for Automation

Innominate and TenAsys presenting HyperSecured Industrial PC Technology at SPS IPC Drives 2012 (Hall 9 / Booth 532 and Hall 7 / Booth 595)

Berlin/Beaverton, November 22, 2012

At the SPS IPC Drives 2012 show from November 27 to 29 in Nuremberg / Germany, Innominate Security Technologies and TenAsys Corporation are presenting their joint new HyperSecured IPC solution to OEMs for the first time. The solution combines an mGuard security software appliance from Innominate with a Windows system on the same multi-core PC platform using the latest TenAsys *eVM for Windows* embedded virtualization software. It thus provides a hardened and secure Windows platform for networked industrial PC applications in a cost effective way.

Two years ago, Innominate had introduced the so called HyperSecured concept of using a hypervisor to protect industrial automation components by virtualized security appliances and demonstrated its feasibility with the exhibit of a HyperSecured Soft-PLC.

TenAsys and Innominate have now combined their latest technologies to further the concept and make it ready for production use. In the joint solution, TenAsys' *eVM for Windows* embedded virtualization manager provides the foundation to integrate a standard Windows operating system with the mGuard software from Innominate running in its own virtual machine on a single PC. Additional real-time cores can then also be made available in this environment such that, e.g., a real-time controller and an operator interface, both with integrated network security, can be implemented on one multi-core hardware platform.

Innominate and TenAsys expect the solution to become commercially available through initial OEMs from the IPC industry within the first half of 2013.

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Image: A schematic image is available for download **here**.

Caption: Schematic of the HyperSecured IPC solution from Innominate and TenAsys

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About Innominate Security Technologies AG

Innominate, a Phoenix Contact Company, is a leading supplier of components and solutions for controlled and secured communication in industrial networks. The German company specializes in the protection of networked industrial systems and the secure remote diagnosis and maintenance of machinery and equipment over the Internet. Its mGuard product line of network security appliances provides router, firewall, virtual private network (VPN), as well as quality of service (QoS) functionalities and helps with intrusion detection and antivirus protection. The mGuard portfolio is complemented by highly scalable device management software and a Cloud-based Remote Services Portal. Innominate products are marketed worldwide under the mGuard brand through system integrators and OEM partners. Further information can be found at www.innominate.com.

About TenAsys Corporation

Real-time virtualization expert, TenAsys Corporation, specializes in operating system software for the embedded computer industry, designed and optimized for the Intel x86 platforms using the Microsoft Visual Studio development environment.

Since 1980, customers worldwide have entrusted TenAsys RTOS products to provide reliable deterministic control in a wide array of mission-critical applications including: medical, telecom, industrial control, robotics, test and measurement, and military applications.

For more information, visit www.tenasys.com

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