



Press Release – 9 February 2017

A continuously expanding technology range, cross-site demonstrations, and a hacking contest under the spotlight

Wibu-Systems steals the scene by bringing stronger encryption for Industrie 4.0 to the Hannover Messe 2017

Karlsruhe, Germany – Wibu-Systems, the global leader for secure entitlement management technology for the industrial world, will be presenting a new generation of Industrie 4.0-ready solutions at the Hannover Messe, hall 8, booth D05, from April 24th to 28th. Pursuing its vision of providing Intelligent Device Manufacturers (IDMs) with out-of-the-box tools that can enable digital business models in the industrial realm, Wibu-Systems will offer the next generation of its modular and scalable protection system alongside a new complete lineup of hardware secure elements.

Robustness and flexibility are key in any production environment. CodeMeter, the flagship technology of Wibu-Systems, provides secure key and license storage in a multitude of industry-grade form factors that are tested against EMC regulations, operate in extreme temperature conditions (-40°C to + 85°C for SD, microSD, Compact Flash, and CFast cards, up to -40°C to +105°C for USB dongles, and ASICs), make use of advanced flash memory controllers with patented APIs, adopt conformal coating to resist condensed moisture, and, above all, embed EAL 5+ qualified security controllers for top-of-the-breed encryption, data reliability, and integrity.

The main specialty of Wibu-Systems remains its own protection, licensing, and security technology. CodeMeter Embedded 2.0 upgrades the versatile license management and security features of its predecessor. It supports a plethora of operating systems and platforms, like Intel x86, PPC, ARM, Windows, Linux, Android, VxWorks, and QNX; it interacts with hardware and software-based secure repositories for encryption keys, trust lists, and configuration

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data, including Trusted Platform Modules of third parties; and it is fully integrated in an ANSI-C OPC UA SDK. Its customizable and always compact size required for embedded and PLC systems as well as its compatibility with the other CodeMeter flavors running on computers, mobile devices, and even microcontrollers make it unique in the market.

Two collective demonstrations will complement this showcase of Wibu-Systems:

- Wibu-Systems has joined the technology initiative *SmartFactory^{KL}* with its mission to turn the concept of Industrie 4.0 into reality and is contributing to a live demonstration system alongside 18 partner companies. In hall 8, booth D20, these vanguard enterprises will demonstrate a flexible transport system centered around a robot platform from which conveyor belts will move goods to three production islands. The automation system will use RFID tag descriptions in accordance with the ISO 15693 standard, OPC UA protocol, and a Manufacturing Execution System (MES) to ensure the highest level of standardization in hardware and communication. With CodeMeter, Wibu-Systems will harden B&R technology while staying true to the ultimate goal of standardization.
- Together with dozens of Industrial Internet Consortium (IIC) members, Wibu-Systems will be participating in a security testbed demonstration that will span across the IIC Member Pavilion (Hall 8, booth C24), the Plattform Industrie 4.0 exhibition space, other IIC member's booths, and even remote locations. The overall goal is to demonstrate "security without borders" in a very heterogeneous landscape. For its part, Wibu-Systems will join the expanded infrastructure with an embroidery machine whose production status data are going to

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be encrypted with CodeMeter, transmitted over a secure communication channel, and authenticated via digital certificates. Ultimately, this element of the testbed will show how to implement know-how protection and secure key storage in smart manufacturing.

Oliver Winzenried, CEO and founder of Wibu-Systems, is looking forward to the next edition of the trade show: “We have exhibited at the Hannover Messe numerous times, but 2017 will be a one-of-a-kind experience. In our press conference in Room Frankfurt on April 24th, at 1 pm, we will reveal the details about a hacking contest that we will be holding to prove the strength and correctness of Blurry Box, a new encryption method we developed with the Karlsruhe Institute of Technology. With the rise of software as the primary resource for the evolution of technology, the risk of cyberattacks against its availability, confidentiality, and integrity is reaching new heights. Blurry Box offers a more advanced solution to all software developers and is ready to be put to the test in industrial applications as well.”



The many form factors of CodeMeter hardware secure elements offer multiple interfaces to match all types of industrial requirements.



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WIBU-SYSTEMS AG (WIBU®), a privately held company founded by Oliver Winzenried and Marcellus Buchheit in 1989, is an innovative security technology leader in the global software licensing market. Wibu-Systems' comprehensive and award winning solutions offer unique and internationally patented processes for protection, licensing and security of digital assets and know-how to software publishers and intelligent device manufacturers who distribute their applications through PC-, PLC, embedded-, mobile- and cloud-based models.



Media graphic resources available at: <http://www.wibu.com/photo-gallery.html>

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