Oberthur Technologies provides state-of-the-art security with Intrinsic-ID anti-cloning technology

- Demonstrating Physical Unclonable Function (PUF) technology to enable secure provisioning and deployment of trusted mobile applications at Cartes 2011-
Nanterre, November 3rd, 2011

Oberthur Technologies, the world's second largest provider of security and identification solutions and services based on smart card technologies, is proud to announce the development of PUF technology in smart cards, in collaboration with Intrinsic-ID.

PUFs are widely recognised as an important new security primitive and provide embedded systems with silicon biometry. Using this insight, Oberthur Technologies and Intrinsic-ID joined forces to promote PUFs to propose solutions to new security needs.

Thanks to PUF technology, secret and personal data do no longer need to be stored in Non Volatile Memory but can be rebuilt, when needed, from an electronic unique property of the silicon. In such a way, PUF enforces the anticloning mechanisms of embedded systems and banking, identity or transport applications are natural targets for this technology.

Taking advantage of the secure element biometric, PUF can also create a strong link between an application and a device hosting it. In a world where more and more security services (e.g. banking applications, access control, and content protection) are executed in a mobile environment, there is a need for trusted and secure systems. When combined with the classical assets of secure elements, PUF answers this need and brings trust by pairing applications with secure elements.

"Once again, Oberthur Technologies is at the fore front of innovation and security research. Combining its R&D strength and efficiency with its long term pragmatic approach regarding new developments, the Group offers today its clients new security features to answer new security problems", said Marc Bertin, Technologies and Innovation Director at Oberthur Technologies.

"We are delighted that Oberthur Technologies has selected Intrinsic-ID's Quiddikey™ product to develop new security features ", said Pim Tuyls, CEO Intrinsic-ID. "The combination of the proven card technology of Oberthur Technologies and the Intrinsic-ID security IP enables an entirely new range of compelling applications on mobile phones and tablets."

Oberthur Technologies will showcase this technology at Cartes 2011.

About Oberthur Technologies

Oberthur Technologies is a world leader in the field of secure technologies: systems development, solutions and services for smart cards (payment cards, SIM cards, access cards, NFC…) and for secure identity documents, traditional and electronic (identity card, passport, health care card), production of banknotes, cheques and other fiduciary documents, intelligent systems to secure cash-in-transit and ATM. Oberthur Technologies has 6,800 employees through 40 countries and 65 sites. The Group posted 2010 sales of €979M.

Website www.oberthur.com

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About Intrinsic-ID

Intrinsic-ID is recognized as a worldwide leader in security solutions, delivering semiconductor IP and embedded software products based on Hardware Intrinsic Security. Our solutions revolve around patented Physically Unclonable Function (PUF) technology, where a secret key is extracted like a silicon biometric or fingerprint from silicon hardware directly and only when required.

Attackers have nothing to find because no key is stored nor present in the power down state.

We leverage our security expertise and product offering in several markets and applications, ranging from SmartCards, Automotive, Set-Top Box and Pay-TV applications, Networking & Comms, Mobile, as well as Government and Military applications.

Intrinsic-ID's security solutions excel by their ease-of-integration in a standard manufacturing flow, their scalability and small area and/or SW footprint which enables mass-scale deployment in cost-sensitive consumer applications.

Intrinsic-ID was founded in 2008 as a spin-out of Royal Philips Electronics and is headquartered in Eindhoven, The Netherlands. Its technology and products leverage many years of industrial development at Philips and have received public endorsement by leading electronic companies such as NXP and Microsemi.

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