



Giesecke & Devrient  
Creating Confidence.

**ARM, GEMALTO AND GIESECKE & DEVRIENT FORM JOINT VENTURE TO  
DELIVER NEXT-GENERATION SECURITY FOR SERVICES RUNNING ON CONNECTED DEVICES**

*Industry leaders invest to accelerate adoption of a common security standard, creating a vibrant ecosystem that simplifies, improves and extends our digital lives*

**CAMBRIDGE, UK; AMSTERDAM, THE NETHERLANDS; & MUNICH, GERMANY - 3<sup>rd</sup> APRIL 2012 -**

ARM, Gemalto and Giesecke & Devrient today announced the creation of a joint venture dedicated to delivering a secure, accessible environment for advanced services running on the growing range of connected devices. This includes tablets, smart-TVs, games consoles and smartphones. All three companies are investing to accelerate adoption of a common security standard and create a vibrant ecosystem that will enable a new generation of innovative services. Security is critical for companies that wish to do business over these types of connected devices and provide the rich, seamless services that consumers expect. With improved security, delivered in a way that is easy to use, consumers will engage with a greater level of trust in the devices and services available.

The joint venture, which is subject to regulatory approval, will provide a secure environment for a new wave of advanced services to flourish, based on easy to use, accessible and consistent device security. Technology developed by the joint venture will be based on established solutions from the founding companies. It will provide a practical solution for manufacturers to deliver devices that enable services with a new level of trust. This trust will mean that consumers are able to simplify, improve and extend their digital lives. Faster, more secure and richer access to the services they want will then be possible, wherever and whenever they want it.

Gemalto and Giesecke & Devrient are both leading companies and long-standing ARM partners that offer security solutions to governments and for the financial and mobile industries. Gemalto and Giesecke & Devrient have agreed to contribute their respective software expertise to the joint venture. This will accelerate standardization and interoperability, based on industry standards, to ensure that existing customer investments are future-proofed. All three companies will contribute assets to the new venture, including patents, software, people, cash and capital equipment. ARM will own 40% of the joint venture, with Gemalto and Giesecke & Devrient each owning 30%.

**Secure, Accessible Environment for Smart Connected Devices**

The new venture will focus on improving security for smart connected devices by developing a Trusted Execution Environment (TEE) based on the established ARM® TrustZone® security technology. This common, secure environment for software execution will utilize advanced hardware security coupled with industry standard software interfaces, such as those from the GlobalPlatform industry association. By providing this secure environment for multiple silicon, software and device manufacturing partners, the joint venture will enable greater operational efficiency across the ecosystem and the industry as a whole.

Devices with a TEE will provide consumers with more secure, user-friendly experiences that simplify and speed up how they interact with their digital world. This will enable them to use their smart, connected devices more frequently to access an increasing range of applications and services in a secure way. This

## PRESS RELEASE



Giesecke & Devrient  
Creating Confidence.

includes mobile payment, enterprise productivity and mobile banking applications, as well as online commerce and premium content services.

"The integration of the hardware, software and services necessary for system-wide security has been slow," said **Warren East, CEO, ARM**. "I am confident that this new joint venture will accelerate the adoption of a common security standard, enabling a vibrant ecosystem of secure service providers to emerge. This will be of significant step in terms of improved consumer trust in secure transactions on connected devices."

"Gemalto has been an early mover in developing its software and servicing capabilities to remotely manage sensitive data for different security implementations on connected devices, and we are excited to be part of this new venture that will pave the way for accelerating the adoption of a Trusted Execution Environment utilizing ARM TrustZone technology," said **Olivier Piou, CEO of Gemalto**. "Our combined efforts will result in the ecosystem as a whole being able to capitalize on the built-in security architectures, especially for transient data such as encryption keys for digital movie rentals, and reduce uncertainties for service providers wanting to launch and manage new services."

"Giesecke & Devrient were the first to establish, with Mobicore, a Trusted Execution Environment that can be securely managed over the air. It allows mass market development of an open, trusted application environment and is complementary to the existing secure elements offered on the basis of smart card technology. Through our mobile security OS software Mobicore we became trusted partners to some of the biggest semiconductor companies and device manufacturers," said **Karsten Ottenberg, CEO of Giesecke & Devrient**. "The new venture unites the leading players in Trusted Execution Environments and will accelerate the market for secured services."

"ARM integrates its TrustZone architecture into every ARM Cortex™-A family processor to help our silicon partners deliver the deepest level of security in their hardware," said **Ben Cade, CEO of the new venture**. "The new venture will combine the security operations from three leading organizations. This will provide a trusted software environment capable of utilizing security from the hardware level up, in a consistent, open and accessible manner. This will pave the way for service providers to innovate advanced, trusted services that will enhance user experiences whilst also reducing risks and improving privacy."

### Editor's Notes:

- The new company will take on the responsibilities to existing customers of MobiCore and Trusted Logic Mobility's Trusted Foundations software. Trusted Logic Mobility is a Gemalto company.

### About ARM

ARM designs the technology that lies at the heart of advanced digital products, from wireless, networking and consumer entertainment solutions to imaging, automotive, security and storage devices. ARM's comprehensive product offering includes 32-bit RISC microprocessors, graphics processors, video engines, enabling software, cell libraries, embedded memories, high-speed connectivity products, peripherals and development tools. Combined with comprehensive design services, training, support and maintenance, and the company's broad Partner community, they provide a total system solution that offers a fast, reliable path to market for leading electronics companies. Find out more about ARM by following these links:



Giesecke & Devrient  
Creating Confidence.

- ARM website: <http://www.arm.com/>
- ARM Connected Community: <http://www.arm.com/community/>
- ARM Blogs: <http://blogs.arm.com/>
- ARMflix on YouTube: <http://www.youtube.com/user/ARMflix>
- ARM on Twitter:
  - <http://twitter.com/ARMMobile>
  - <http://twitter.com/ARMCommunity>
  - <http://twitter.com/ARMEEmbedded>
  - <http://twitter.com/ARMLowPwr>
  - <http://twitter.com/KeilTools>
  - <http://twitter.com/ARMMultimedia>

### **About ARM TrustZone Technology**

ARM TrustZone technology - a system-wide approach to security - is a central component of the ARM architecture and is integrated into the ARM Cortex-A processor series. Launched in 2004 in recognition of the need for hardware-assisted security, TrustZone has traditionally been used to protect critical device integrity with applications such as Trusted Boot. As users have moved more of their digital lives to a new breed of increasingly smart connected devices a new approach is needed that can protect a growing range of trusted applications and services. The Trusted Execution Environment that builds on TrustZone technology enables industry alignment and scalability that can reliably deliver billions of protected devices that meet the system security and privacy needs of consumers, service providers, enterprises and device manufacturers.

### **About Gemalto**

Gemalto (Euronext NL0000400653 GTO) is the world leader in digital security with 2011 annual revenues of €2 billion and more than 10,000 employees operating out of 74 offices and 14 Research & Development centers in 43 countries.

We are at the heart of our evolving digital society. Billions of people worldwide increasingly want the freedom to communicate, travel, shop, bank, entertain and work – anytime, anywhere – in ways that are convenient, enjoyable and secure. Gemalto delivers on their expanding needs for personal mobile services, identity protection, payment security, authenticated online services, cloud computing access, modern transportation, M2M communication, eHealthcare and eGovernment services.

Gemalto develops secure software that runs on trusted devices which we develop, design and personalize. We manage these devices, the confidential data they contain and the services they enable, throughout their life cycle. We innovate so that our clients can offer more ways of enhancing the convenience and security of their end-users' digital lives.

Gemalto is thriving with the growing number of people using its software and secure devices to interact in the digital and wireless world.

For more information visit [www.gemalto.com](http://www.gemalto.com), [www.justaskgemalto.com](http://www.justaskgemalto.com), [blog.gemalto.com](http://blog.gemalto.com), or follow @gemalto on Twitter



Giesecke & Devrient  
Creating Confidence.

### About Giesecke & Devrient

Giesecke & Devrient (G&D) is a leading international technology provider headquartered in Munich, Germany. Founded in 1852, the Group now has a workforce of over 10,000 employees and generated sales of EUR 1.7 billion in fiscal 2010. 61 subsidiaries and joint ventures in 32 countries ensure customer proximity worldwide.

In all its markets, G&D is a global leader and pioneering innovator in the production and processing of banknotes and banknote paper, security documents, identification systems and smartcard-based solutions. As an end-to-end provider of mobile security applications, G&D develops and sells hardware, software, and services for banks, mobile network operators, public transportation companies, business enterprises, and OEM. For more information, please visit: [www.gi-de.com](http://www.gi-de.com)

### About Trusted Logic Mobility

Trusted Logic Mobility, a Gemalto company, is the leading provider of security solutions for mobile and connected devices. These devices are requiring stronger security to enable a growing number of digital services. Semiconductor vendors, device manufacturers and service providers rely on the device security solutions of Trusted Logic Mobility to deliver innovative and feature-rich products and services. As a result, millions of people around the world use smartphones and tablets to watch high-definition videos, perform mobile financial services and access corporate resources on-the-go. Trusted Logic Mobility serves its worldwide customer base through operations in Europe, Asia and the USA.

ARM is a registered trademark of ARM Limited. Cortex, Connected Community and MPCore are trademarks of ARM Limited. All other brands or product names are the property of their respective holders. "ARM" is used to represent ARM Holdings plc; its operating company ARM Limited; and the regional subsidiaries ARM Inc.; ARM KK; ARM Korea Limited.; ARM Taiwan Limited; ARM France SAS; ARM Consulting (Shanghai) Co. Ltd.; ARM Germany GmbH; ARM Embedded Technologies Pvt. Ltd.; ARM Norway, AS and ARM Sweden AB

### Contacts

Andy Phillips Senior Press & Industry Analyst Relations Manager, <b>ARM</b> Mobile: +44 7771975925 <a href="mailto:andy.phillips@arm.com">andy.phillips@arm.com</a>	Isabelle Marand VP Corporate Communication <b>Gemalto</b> Mobile: +33 6 14 89 18 17 <a href="mailto:isabelle.marand@gemalto.com">isabelle.marand@gemalto.com</a>	Stefan Waldenmaier PR Team Giesecke & Devrient GmbH <a href="mailto:stefan.waldenmaier@gi-de.com">stefan.waldenmaier@gi-de.com</a> Tel.: +49 89 4119 2985
---	--	---

###