

# Newsletter #10

||||| Winter 2010/2011 – Public Sector

## Morocco adopts biometric electronic passports

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# Edito



IIIIII Teck Lee TAN  
*CITO and President Asia*

## The building blocks of innovation

One good way to anticipate the future is to look at what new fundamental technologies are now available and what problems they can solve. For example, 16 years ago, Netscape introduced the browser and unleashed the World Wide Web that today has led to over 300 millions URLs.

Between 2008-2010, we've seen four major technologies reach maturity: Firstly, **mobile broadband** has enabled mobile appliance connectivity; secondly, **high-speed contactless bearers** have simplified this connectivity; thirdly, **cloud computing** has enabled the virtualization of computing resources and collaborative data management; and fourthly, **search technology** can now handle huge quantities of data.

As a result, computers are smaller, more portable and more specialized. Data mining has grown exponentially and data availability has increased appliance proficiency. Internet navigation is easier and user-friendliness is the #1 driver – who reads a user manual these days?

## So what's next?

One very likely answer is more eServices; value-added applications leveraging data mining with secure and managed access control for all stakeholders. This means goodbye paper and hello global data access and full service synchronization. It also means an even greater need for security, privacy and trustworthy solutions. IPv6 will be the backbone of this new order.

From a user's perspective, losing a document will be a thing of the past. eGov will lead the way, followed by eCommerce, eEntertainment and eEducation, bringing enormous benefits. One of these benefits I find fascinating is that until now, storing past memories has always required a trade-off due to data storage limitations. In future, we'll be able to keep every single byte, which we will analyze and correlate to enrich our eServices.

This is just the beginning.

Teck Lee TAN

## Gemalto Honored with Homeland Security Award

Gemalto's Personal Identity Verification credential has been honored with the Best Smart Card Solution award at the US Government Security News Homeland Security Awards gala in Washington DC. The ID credential allows government agencies to link existing proximity-based physical access control systems and new FIPS 201-compliant systems.

In addition, Gemalto's secure Coesys Enrolment Solution for US ID projects was nominated as finalist in the Biometric Solutions category. Coesys Enrolment manages the enrolment process end-to-end in a highly secure way. It verifies enrollees and their documentation, manages applications and on approval, encrypts, signs, transfers and then erases all local data.



## Gemalto's US Production Center Awarded NASPO Security Assurance Certification

On September 21, Gemalto's advanced manufacturing and service center in Montgomeryville, PA., received security assurance certification from the North American Security Products Organization (NASPO). This voluntary certification continues to distinguish Gemalto's advanced production center as a premier US manufacturer of secure identity products and solutions.

## Sealys - Secure documents

### Gemalto delivers its smart card technology for the digital tachograph in Turkey



Gemalto has signed a multi-year contract to deliver its Sealys Tachograph products to Turktrust with Plaskart its local partner.

The tachograph card, which has been compulsory in Europe since May 2006 and will be compulsory in Turkey from the end of 2010 for all new trucks and busses, is aimed essentially at recording professional drivers' activities. The card developed by Gemalto represents the ideal solution for enforcing road safety. It also offers trucking and hauling companies new efficient services such as automated monthly activity log and payroll management.

### Sealys Vitale – a Vital Step Towards Seamless and Secure Healthcare

Gemalto's new SESAM-Vitale EI96 CDC 1.40 healthcare reader is tailor-made for the new version of the French healthcare card and meets all the latest security requirements.

With a simple USB connection, the Sealys Vitale reader is compatible with Windows 7, Vista and XP as well as Mac OS X. Its multiple USB options mean it can be connected to numerous peripheral devices, and a new backlit screen and revamped design make it faster and easier to use.

The Sealys Vitale is fully adaptable to future TLv4 reader specifications and conforms to the latest EMV banking norms.



### The Rise of the 3<sup>rd</sup> Generation of ePassports

Recognizing that ePassport should be protected for the long term (10 to 20 years), the International Civil Aviation Agency (ICAO) is introducing Supplemental Access Control (SAC), a new optional security and privacy mechanism preventing eavesdropping for the next generation of ePassport.

Gemalto will demonstrate at CARTES 2010 in Paris this mechanism based on a certified specification.



# Health insurance awaited by over one billion Africans



**Denis CHEMILLIER-GENDREAU**  
President and CEO  
ACTUARIA

While rich countries are seeing their health care costs explode, health insurance remains a luxury for many African countries. Since the decolonization of the sixties, Africa has been living without any form of social security and Africans struggle with hospitals and clinics that lack sufficient medicines, with private insurers or medical evacuation to Europe or South Africa.

Morocco and Tunisia were the first African nations to set up, in 2005, true health insurance schemes, with technical assistance from the EU and the World Bank. These two pioneering experiments have revealed a major challenge that these programs face: the actuarial framework, the delicate balance to be found between levels of contributions that are hard to predict and health costs that are difficult to control, which is where ACTUARIA have had the privilege to work.

The programs were followed by Mauritania in 2007, Gabon in 2008 and Mali in 2010, programs in which we were also able to assist, expanding our role in legal, financial, IT and organizational areas. Other countries set to launch similar projects include Senegal, Burkina Faso, Benin and Cote d'Ivoire.

But it will take time before Africa's one billion people all have access to a balanced system of medical cover.

**“Africa could be on the brink of an economic takeoff, much like China was 30 years ago, and India 20 years ago.”**

Source: World Bank Report

In its new report on Africa published on November 15, the World Bank said that in 2011 the continent has an unprecedented opportunity for transformation and sustained growth. Averaging 5 percent a year for a decade and accelerating to 6 percent for 2006, 2007 and 2008, growth is widespread and rebounding in 2010.

Africa's poverty rate fell by 1% a year, from 59% in 1995 to 50% in 2005. Child mortality rates are declining. HIV/AIDS is stabilizing.

The World Bank also noted that Africa's private sector is increasingly attracting investment and “the climate for market-oriented, pro-poor reforms is proving robust”.

More: <http://www.worldbank.org/>



## Coesys - Secure solutions Allynis - Secure services

### A New-Generation Solution for Moroccan Biometric Passports



The Moroccan mint has commissioned Gemalto to deliver a complete solution for the Kingdom's new biometric passport program.

The solution includes Gemalto's highly secure Sealys eTravel operating system, as well electronic passport booklet covers with integrated contactless microprocessors that contain the holder's digital fingerprint and photo. Gemalto is also supplying its Coesys Issuance turnkey personalization solution in addition to installation, training and maintenance services. Deployment began in December 2009 and the contract covers a three-year period.

For citizen data acquisition, Gemalto is supplying the Ministry of Interior with its Coesys Enrollment solution in cooperation with its Moroccan partner Netopia, a leading integration services company for the public sector. In addition, Gemalto has implemented a skill transfer process for Netopia in order to accompany the project's start-up.

The Kingdom of Morocco is the first country outside of the EU to issue new-generation biometric passports including Extended Access Control (EAC) in accordance with European specifications.

### Gemalto Delivers Enrolment Solution for Benin Elections

The Republic of Benin is using Gemalto's Coesys enrolment solution to manage the secure biometric registration of voters for the March 2011 presidential elections. An estimated six million people are expected to register under the program.

Gemalto has delivered over 3,200 Coesys mobile enrolment stations, as well as the software necessary to capture citizens' demographic data, fingerprints and digital photographs, directly in the field. Gemalto is also supplying the software for national data consolidation, training services, technical assistance and fulfillment.

The Coesys mobile enrollment station is an all-in-one solution featuring all the necessary biometric data capture devices contained in a robust and easy-to-transport field case. Coesys makes it easy to enroll large numbers of citizens very quickly, sparing them the need to travel long distances.

This success reinforces Gemalto's presence in Africa where it has already deployed several governments programs, notably in Algeria, Cote d'Ivoire, Gabon, Morocco, South Africa and Tunisia.

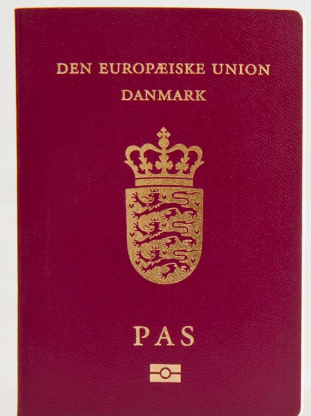


### Denmark Renews Multi-Year ePassport Contract

The Danish State Police has renewed its agreement for a complete Sealys ePassport production and issuance service from Gemalto. This new contract is for five years with an option for an additional five.

At the heart of the contract is Gemalto's Allynis Issuance operated services, which include ePassport personalization from its Denmark-based service center, and delivery to citizens. This comprehensive service portfolio enables the Danish Police to enjoy a smooth and trouble-free process with a regular delivery flow, ensuring citizens receive their passports quickly.

Gemalto also manages the production of all Sealys ePassport components, as well as booklet assembly. The travel document incorporates a secure laser-engraved polycarbonate data-page, fitted with innovative security features. These include a contactless microprocessor running Gemalto's highly secure OS and carrying the holder's digitized photograph in addition to their demographic data already laser-engraved and human-readable. Gemalto has already deployed over four million Danish ePassports as part of the previous contract.



## The “Dossier Pharmaceutique” Proves a Hit with the French



Launched at the end of 2008, the “Dossier Pharmaceutique” (DP) is an online file, accessed using the patient’s and pharmacist’s healthcare smart card, to monitor medication. Some ten million French people have now opted to create a DP, including 22% of patients aged 60+.

This new and free e-service is made available thanks to the Vitale cards (eHealth French smart card).

When patients visit the pharmacy, their DP is accessed using their personal healthcare smart card along with the pharmacist’s card. The DP shows all medication prescribed or purchased over the previous four months. The system helps to avoid accidents linked to undesirable treatment combinations and facilitates the communication of information regarding certain treatments. In future, it could simplify tracking and recall of different batches of medication and could also be used for vaccination monitoring.

Every day, some 20,000 new DPs are opened and 70% of pharmacies are systematically proposing the service to customers. The DP scheme cost €15 million to set up and aims to encourage cooperation between different healthcare professionals.

## Gemalto white paper on Electronic Health Record (EHR)

EHR has been a key research field in medicine and medical informatics for many years.

Much emphasis has been placed on the need to implement electronic health records at the regional and national levels. But this is putting the cart before the horse. Accurately linking patients and professionals with personal medical information is the first step to be taken in EHR projects.



This document is available in English, French and Spanish on [http://www.gemalto.com/brochures/public\\_sector.html](http://www.gemalto.com/brochures/public_sector.html)

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## Germany launches its eID on November 1



eID-day has come in Germany. New credit-card-style electronic identity cards are now being issued for national citizens. The integrated micro-processor enabling electronic proof of identity allows citizens and providers of online services to identify themselves on the internet. The advantages include increased scope for secure online transactions and more efficient communication processes. The new eID card is expected to strongly boost e-commerce.

The success of this new ID will depend on perceived benefits and the wealth of public and private/business applications leveraging electronic identification.

Germany is the largest country of the EU with a population of 82 million.

## ePrescribing to become compulsory by 2012 in the Netherlands



Pharmacists in the Netherlands have been working hard lately as all drug prescribers must have switched to an electronic prescription system by 1 January 2012.

There are still too many mistakes being made in the handing over of medication. Such errors are expected to be prevented with the entry into force on 1 January 2011 of the guideline on the transfer of medication data, a guideline that was formulated by the healthcare sector.

«It is very risky to prescribe drugs without the help of an automated system that instantly signals drug interactions and possible allergic reactions. This is unnecessarily dangerous and no longer justified.” declared Prof. dr. van der Wal, the Inspector General of the Dutch Healthcare Inspectorate. (Source: [www.epractice.eu](http://www.epractice.eu))

This newsletter is published by Gemalto.

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**Any other topics or issues you’d like to read about?**  
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November 2010

[www.gemalto.com](http://www.gemalto.com)

Gemalto (Euronext NL 0000400653 GTO) is the world leader in digital security with 2008 annual revenues of €1.68 billion, and 10,000 employees operating out of 75 offices, research and service centers in 40 countries.

Gemalto is at the heart of our evolving digital society. The freedom to communicate, travel, shop, bank, entertain, and work—anytime, anywhere—has become an integral part of what people want and expect, in ways that are convenient, enjoyable and secure.

Gemalto delivers on the growing demands of billions of people worldwide for mobile connectivity, identity and data protection, credit card safety, health and transportation services, e-government and national security. We do this by supplying to governments, wireless operators, banks and enterprises a wide range of secure personal devices, such as subscriber identification modules (SIM) in mobile phones, smart banking cards, electronic passports, and USB tokens for online identity protection.

To complete the solution we also provide software, systems and services to help our customers achieve their goals.

As the use of Gemalto’s software and secure devices increases with the number of people interacting in the digital and wireless world, the company is poised to thrive over the coming years.

For more information please visit [www.gemalto.com](http://www.gemalto.com).

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security to be free