

Danish ePassport initiative

||||| Outsourcing for security and simplicity



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■ Time of change

Prior to 2004, the Royal Danish Police handled the country's passport issuance service.

A tender was issued in August 2003 to outsource the production and personalization activities of the Danish ePassport and to give birth to a new, highly secure Danish passport.

In January 2004, Gemalto was selected to create an entirely new design for the 7 versions of the Danish ePassports, and to supply related booklet manufacturing and local personalization services including delivery to municipalities.

■ A fresh solution

To respond to the Danish authorities' stringent requests and demanding timetable, Gemalto set up the premises in its existing personalization center in Ballerup, near Copenhagen, to provide a complete passport product with related personalization solutions and operated services.



With a population of 5.5 million, Denmark is a modern, prosperous nation and a key player in European political and economic integration. The country's economy features high-tech agriculture, up-to-date small-scale and corporate industry, extensive government welfare measures, comfortable living standards, a stable currency, and high levels of foreign trade.

Within ten months, the center in Ballerup was able to manage the complete solution including the 7 new designs of the new Danish passport, a personalization and delivery processes, and new operations. In October 2004, the first new Danish passports were being rolled out from Ballerup. Gemalto combined its secure **Sealys Passport, Allynis Enrolment** and **Allynis Issuance** operated services to satisfy the Danish Police requirements.

■ A swift and simple transition to ePassports

All new Danish ePassports issued from August 2006 onwards integrate Gemalto's **Sealys ePassport** secure technologies. The **Sealys eDatapage**, a polycarbonate data page, includes a contactless microprocessor running its highly secure operating system. The microprocessor carries the passport holder's digitized photo and signature and well as identity information that is also laser-engraved on the first page.



Booklets are manufactured in Vantaa (Helsinki, Finland) at Gemalto's premises and personalized in Ballerup, Denmark



Visa pages under UV light



Datapage under UV light

Gemalto provides its **Allynis Issuance** service, configured for central issuance.

Allynis Enrolment using Gemalto's form scanning centralized enrolment system is also an operated service delivered in Ballerup. The system includes a scanner to retrieve photos, signatures or text from a paper form using optical character recognition or OCR. The system locates the face and the signature. The operator can make adjustments if needed. The system crops and enhances the portrait and signature to optimize the quality of the sample for best output performance. The enrolment operated service does not change current Danish processes for travel document enrolment based on paper forms.

A seamless and secure service as a result

The Danish authorities were able to draw on Gemalto's expertise and resources, and benefit from a local, highly-secure site. Furthermore, they have just one supplier to deal with for document production, personalization and delivery. In addition, Gemalto has implemented a smooth transparent and trouble-free process for the Danish Police with a regular flow of delivery even in peak times. 700,000 ePassports are issued annually from Ballerup.

Today, the Danish ePassport is known as one of the most secure passports in the world with its strong combination of polycarbonate datapage embedded with visible and invisible security features. Reinforcing security at issuance level was also a key issue. Secured traceability mechanisms have been put in place to ensure end-to-end security from document request right through to delivery. Ballerup's security environment and watertight issuance services are certified by the Police and Police's secret ePass services of Denmark.

For the Danish citizens, the ePassport is an approved ID document and the only official picture ID document issued in the country.

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The case for outsourcing

Gemalto can manage all or some of the components of your ePassport production and issuance environment. From planning, integration and deployment to maintenance and management, Gemalto's outsourcing and operations management solutions support every phase of your ePassport project lifecycle - and deliver powerful benefits along the way:

- **Agility** – Increase flexibility and improve speed to serve municipalities and citizens
- **Value** – Improve your return on investments by leveraging Gemalto's expertise, experience and resources to implement innovative technological solutions
- **Focus** – Save your resources to focus on your core activities
- **Control** – Achieve greater control by reducing complexities and eliminating redundant practices to optimize operating costs
- **Results** – Improve overall productivity and responsiveness to citizens



A worldwide expertise at your service

Gemalto contributes to more 21 national ePassport programs worldwide including Côte d'Ivoire, Estonia, Denmark, France, India (diplomatic), Norway, Poland, Portugal, Qatar, Singapore, Slovenia, Sweden and the United States of America. Gemalto is also taking an active role in 12 national eID schemes and in most of the major eHealthcare initiatives around the globe.

With over 25 implementations of solutions and operated services all over the world, Gemalto has already proven its capability to offer dedicated and unique solutions ready to adapt to any legacy infrastructure. It has also shown an indisputable expertise in system integration thanks to its integration and consulting services teams worldwide.



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