MORPHOPERSO

Secure ID document personalization from A to Z
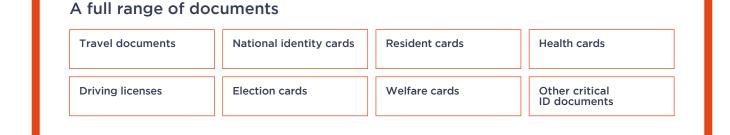
SAFRAN

MORPHOPERSO

Secure ID document personalization from A to Z

A reliable and authentic ID document has to be secure and robust against forgery and counterfeiting. It must be the guarantor of the genuineness and the uniqueness of the holder's identity. This is why ID document personalization is an absolutely vital key step for the issuing authority. Personalization must guarantee that the ID document contains data that is both uncorrupted and unique.

MorphoPerso is Safran Identity & Security's solution for identity document personalization. It controls every aspect of the personalization lifecycle, from receipt of blank documents to the dispatch of the personalized document. MorphoPerso is compliant with international standards (including ISO 27001 & ICAO) and, using advanced technologies and procedures, it protects ID documents from attempts at copying and modification.

1- ISO 27001: international standard for information security management

A full range of documents

Travel documents	National identity cards	Resident cards	Health cards
Driving licenses	Election cards	Welfare cards	Other critical ID documents

A comprehensive Business Process

1 STOCK MANAGEMENT
- Blank and personalized document stock control

2 DATA VALIDATION
- Data collection
- Conformity check
- Key management

3 DATA PREPARATION
- Photo enhancement
- Signature enhancement
- Certificate preparation

4 PRODUCTION MANAGEMENT
- Decision on volume, priority, destination site, document type
- Manual allocation
- Sorting of applications for optimized packaging

5 DOCUMENT PERSONALIZATION
- Graphical and electronic personalization
- Remake process
- Automatic quality control

6 QUALITY CONTROL
- Visual check
- MRZ and Chip data reading & verification

7 PACKAGING
- Check number of documents per location
- Pack according to specified parameters

8 DISTRIBUTION
- Bundle packages according to location codes
- Send message with number of packages per location

Key benefits

Highly secure:

- Compliant with international standards : ICAO, ISO 27001, Intergraf...
- **Proven anti-spoofing technologies:** MorphoPerso supports all Safran Identity & Security's security features, among which patented Stereo Laser Image (SLI®) technology, available also in color on polycarbonate; 3D photo technology and patented ImagePerf® technology (duplication, using minute perforations of the holder's photo)
- Highly secure infrastructure and premises, access rights management
- Highly secure architecture and communications channels
- Latest key management procedures
- Effective traceability: audit trail, stock control and document storage in secured vault, repeated checks throughout the process

Highly efficient:

- Modular, scalable architecture
- **Optimized production control,** including handling of several document types in parallel and management of priorities
- **Photo enhancement before printing for better holder identification:** background removal, color photo brightness optimization and contrast optimization
- High throughput : **up to 5000 documents per hour**

Flexible:

- Adaptable to customer's organization: Centralized, Decentralized or Mixed deployment configurations
- Adjustable to customer's needs: provided in stand alone configuration or integrated within Safran Identity & Security's MorphoCivis Suite; a comprehensive identity management solution

Cost effective :

- Ready to use solution
- Convenient: **machine independent, simple to configure**
- Automatic installation
- Easy update and maintenance

Highly secure ID card via patended SLI® technology

Portrait before photo enhancement   *Portrait after photo enhancement*

A trusted partner at the service of governments

Safran Identity & Security manages and secures large scale ID programs worldwide. To date, we have delivered over 2.8 billion secure identity documents. We are your N°1 partner in meeting your personalization challenges.

More than that, we have all the necessary resources and expertise in house. Safran Identity & Security can provide you with all the support you need throughout your document personalization project. We can ensure your success in:

- Building, preparing and commissioning your personalization facilities
- Establishing your state-of-the-art personalization capability, adapted 100% to your specific needs, including the technology, the process, production capacity and a secure IT environment
- Winning ISO 27001 certification for your production plan
- Securing the manufacturing plant and the process; Safran Identity & Security is the first company in the world to win Intergraf certification
- Operating and maintaining the system

MorphoPerso is live and running in: Albania, Chile, Egypt, Finland, Interpol, Ireland, Mali, Mauritania, Netherlands, Panama, Slovakia.

Focus on Chile:
end-to-end ID card and e-Passport program

An 8 year 'Build & Operate' contract to modernize national ID card and e-Passport issuance.

- 2 personalization centers
- High throughput: 22.5K ID cards and 1600 e-Passports per day
- ISO 27001 approved
- Since 2014, more than 9M cards and 1.1M e-passports have been issued

Focus on Netherlands:
setting new standards to counter identity fraud

Highly secure ID card incorporating the latest technology and compliant with the strictest industry standards.

- Partnership since 1995
- Anti-spoofing image based on Safran Identity & Security's patented Stereo Laser Image (SLI®) technology
- High throughput: up to 25K ID cards/day
- ISO 27001 approved
- To date, more than 52M documents have been issued

POWERED BY TRUST

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