



Electronic ID Documents

Electronic ID card, residence permit cards, electronic passport solutions and multipurpose citizen cards

The events of September 11 have thrust concerns about safety and security to the forefront of attention worldwide, for politicians and the general public alike. Ways of combating terrorism, criminality and illegal migration have become matters of critical importance. The International Civil Aviation Organization (ICAO) has laid down the use of modern visual and electronic security features in passports and visas, including biometrics, RFID and PKI. In Europe, agreement has already been reached on the introduction of biometrics such as facial photos and fingerprints for visas and residence permits. Modern biometric systems operate to stringent standards.

Siemens IT Solutions and Services has all the expertise necessary to develop and produce national identity documents on a highly professional basis, and has already demonstrated its competence in a series of projects nationwide.

Your requirements

The production of forgery-proof ID documents which ensure international approval calls for:

- Adherence to national and European guidelines and compliance with other international agreements (e.g. ICAO)
- Machine-readable documents with visual and electronic security features which meet international standards and which make it possible to identify the holder on the basis of biometric data (e.g. recognition of fingerprint or facial photo)
- A comprehensive system for producing different documents such as ID cards, passports and drivers licenses, enabling them to be combined on multipurpose smart cards (e.g. a single chip card acting as ID and drivers license)
- A personalization system for adding the personal data of the holder
- Decentralized live acquisition of personal data

Your benefits

Siemens IT Solutions and Services supplies ultramodern ID card solutions, tailored to your individual needs:

- Reliable automatic identification and verification of holder information on the basis of the very latest resident registration data (including digital photo and signature, for example) and employing innovative technology such as multimodal biometry
- Up-to-date, high-quality ID documents, possibly with multi-purpose functionality
- Faster creation and processing of documents, providing a better and more convenient service to the public
- Lower costs through increased efficiency across all processes
- Teaming up with a reliable partner and profiting from our wealth of experience in developing, implementing and operating modern ID solutions

The solution components

The ID solutions from Siemens IT Solutions and Services satisfy all the legal and technical requirements placed on modern personalization systems for creating and processing national ID cards and passports.

Adapting the system to meet different national requirements entails a minimum of effort.

It offers the following features:

- Decentralized acquisition of personal data
- Central batch processing of applications if required
- Decentralized or central acquisition of digital image data (photo, fingerprint, signature)

- Cross-checking against resident registration data
- Quality checking of acquired biometric data according to ICAO regulations
- Decentralized or central personalization of ID documents
- Quality control of produced documents
- Decentralized issuing of personalized identity documents
- Inventory control for indexed ID documents
- Provision and operation of the public key infrastructure
- Proven Card Management System for documents production and life cycle

Our services

Siemens IT Solutions and Services supplies turnkey border control and national ID solutions.

Our range of services extends from the design and specification of your individual ID solution through to implementation as prime contractor and system deployment and support.

- Project management
- Process and technology consulting
- Design and specification
- Layout design
- Implementation and operation
- Training, maintenance and service

References

ID card solutions from Siemens IT Solutions and Services are already in use in several countries.

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