Electronic passport

Security is a central concern of all States when travel documents are involved. By bearing in mind this need to improve identity control of people travelling through their territory, Zetes has developed a range of products covering the entire passport production and personalisation chain whilst ensuring top quality documents.

Three types of passport

Zetes is capable of producing all types of passport existing in the marketplace:

Paper passport

The most common type of passport. The page containing the personal information is ink-jet printed and laminated.

Passport with polycarbonate page

This type of passport offers additional security over the previous one: The personalised page is produced in polycarbonate and the information is thus laser-engraved into the material.

Paper passport with polymer sheet

This is the passport developed for the Belgian authorities who opted for a passport with the highest security level. This security feature involves using several different techniques to multiply the component that is normally forged, i.e. the photo, in several places and therefore also on a polymer sheet inserted into a traditional paper passport. As the photo and other well-chosen security components are replicated, this passport is unique and one of the most complex to personalise in the world.

Electronic and biometric passports

All these passports are also electronic and, upon request, biometric. Biometry is increasingly used as an additional security component to combat identity fraud and counterfeiting through undeniable authentication of the citizen.

Compliance with standards:

- ICAO 9303 7th Edition
- LDS v1.7
- EAC v1.11
- ISO/IEC 7816 parts 4 to 6, 8, 9, 11
- ISO/IEC 14443
- ISO/IEC 10373
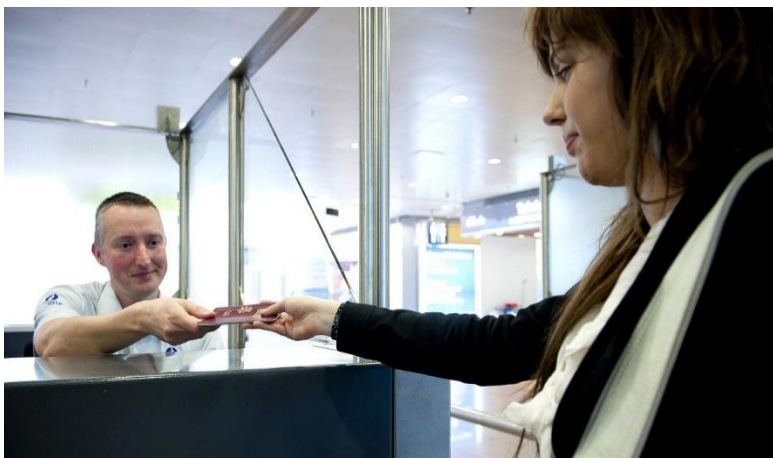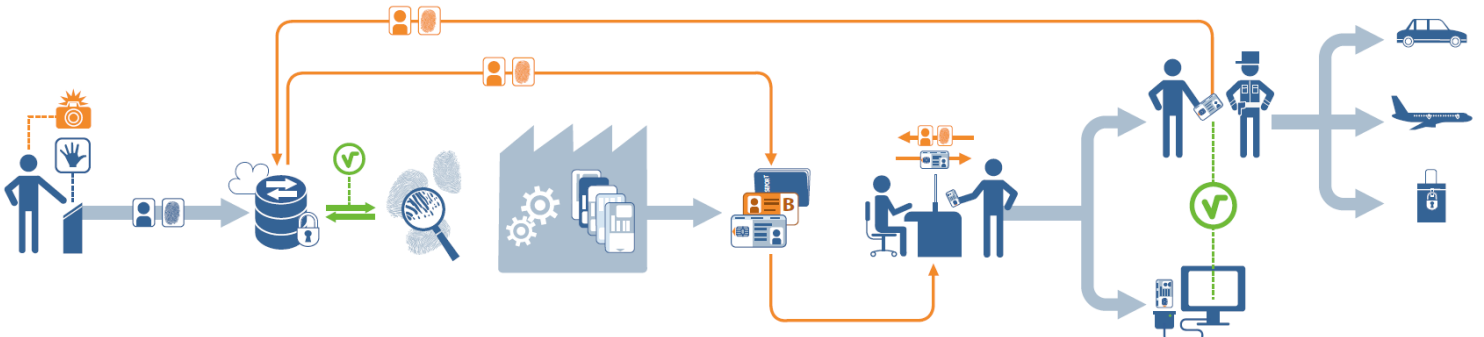
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Covering the entire process

Enrolment: Zetes produces and installs fixed and movable enrolment stations that can read both biographical and biometric information under the "live enrolment" principle (all the information relating to a person is registered simultaneously, in a single location, with the citizen present)

Centralisation: The enrolment information is encrypted and transmitted via satellite communication, Internet or digital medium to constitute a centralised database.

ABIS removal of duplications: Removal of duplications can detect multiple registrations and, therefore, possible attempts at identity fraud.

Book design: To achieve the best results, Zetes participates in designing blank books to be personalised, adding its know-how in making documents secure.

Personalisation: to avoid discontinuity in the process, Zetes takes a centralised approach and carries out all operations on one and the same machine.

Transport: Zetes has its own secure transport system allowing rapid document delivery. Its drivers carry portable terminals to confirm delivery in fifteen minutes. The MCL Mobility platform provides efficient, centralised management of all terminals.

Document handover and control: Zetes installs the necessary hardware and software components at document

handover points to authenticate the citizen (biographical and/or biometric).

Disaster recovery site: In the event of failure of the main production site, Zetes can provide for a back-up site to take over in less than 24 hours.

ISO:27001 certification
Zetes has unique experience in installation ultra-secure production and personalisation sites and holds several

> **Zetes experience**
> Zetes experience in the various domains mentioned previously makes it a particularly reliable partner. The company currently produces the passports for **Côte d'Ivoire**, **Gambia** and **Belgium**, its enrolment stations are used in **Belgium**, **Gambia** and **Senegal** and its ABIS system has removed biometric duplications of more than **seventy million** people. The secure document transport and the disaster recovery site have been implemented under two projects in Belgium.
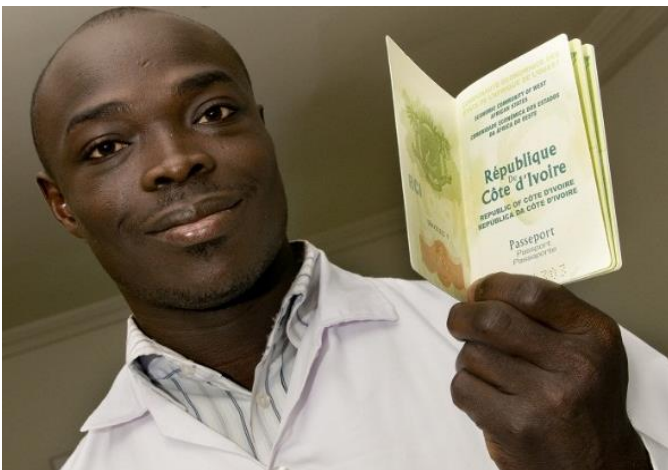
ISO certifications. In particular:

- ISO 27001: defines the criteria for an information security management system;
- ISO 9001: defines the criteria for a management system and guarantees good quality, uniform products and services for the customers.

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