

Biometric Data Enrolment

identity
form
card
mobile
payment

security since 1851

Biometric data enrolment

ANY Security Printing Company PLC (former State Printing Company) is the leading security printing company in the CEE region. Hungarian eID cards, ePassports and 50 types of documents are personalised by ANY Security Printing Company and it has the technological and professional background for production and personalisation of many types of documents.

To be able to personalise a document applicant's demographic and biometric data of applicants have to be collected.

These data are stored in Document Application Register and the applications have to be validated by national authorities' systems. To support personalisation processes, all the captured data are organised and prepared according to the system needs of personalisation.

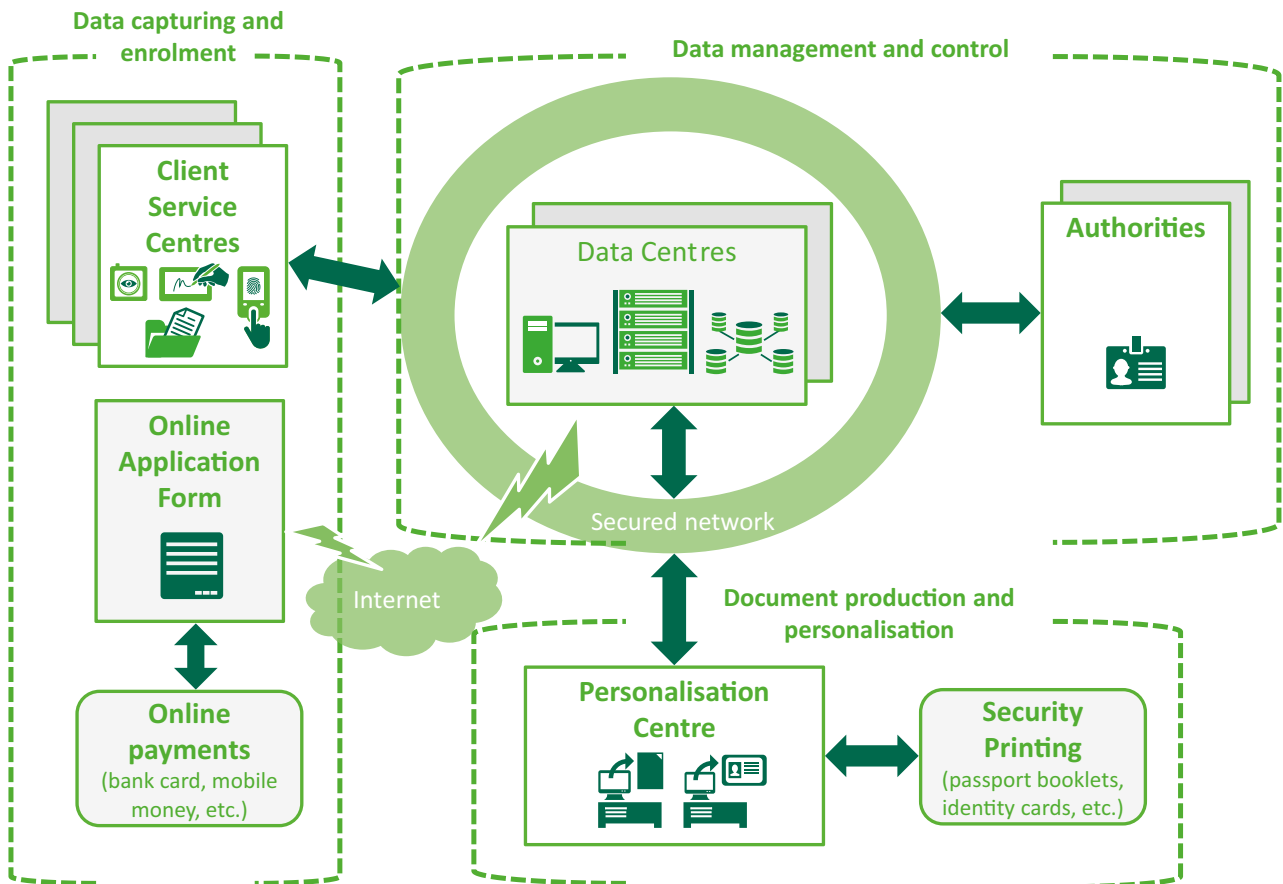
Applicant's data to be registered:

- demographic identification data (names, birth, nationality, etc.)
- biometric data
 - photograph
 - fingerprints
 - signature
 - iris (optional)

INTEGRATED INFRASTRUCTURE

The Company integrates data enrolment systems – own developed and third-party programs as well – with various biometric data capturing peripherals (cameras, fingerprint readers, signature pads, etc.). The state-of-the-art hardware and software infrastructure provided by the Company ensures the efficient and secured data management and meets the ICAO requirements.

Typical logical architecture of a complex biometric data enrolment and personalisation system can be:



MAIN FEATURES OF BIOMETRIC DATA CAPTURING PERIPHERALS

Camera for photo and iris

- Photo output complying with ISO/IEC 19794-5 standard (e.g. face, open eyes, open mouth recognition, automatic rotation, supporting image crop, brightness and contrast setting)
- Resolution: minimum 3 megapixel
- Optical zoom: minimum 5x
- Image sensor size minimum 1/3" progressive scan
- Pixel size minimum $3.0 \mu\text{m} \times 3.0 \mu\text{m}$
- White balance: automatic or manually adjustable
- Brightness setting: manual
- Iris : manual / automatic

Fingerprint reader

- High image quality, FBI/PIV certified, guarantees image quality according to AFIS-IQS standards
- 1.0" x 1.0" (25.4 x 25.4 mm)
- 500 dpi +/-1 Complies with CJIS-RS-0010 (V7) "IAFIS Image Quality Specifications"
- Generating the WSQ format fingerprint image to be stored in the chip.

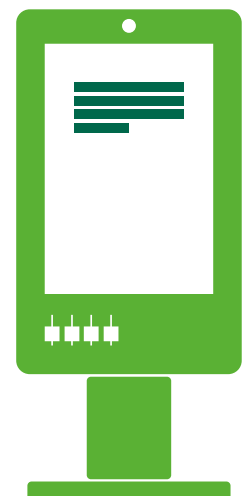
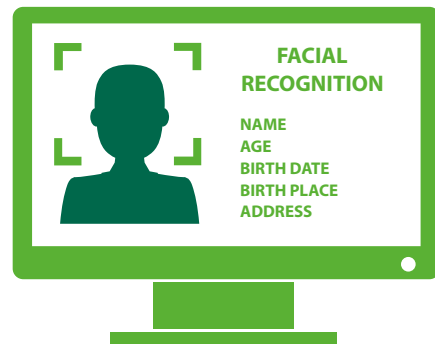
Scanner

- Type: flatbed, colour, desktop scanner
- Image sensor: CIS
- Optical resolution: 2400 x 4800 dpi

Signature pad

- possibility of using the signature pad or scanned signature

Data recording and biometric data capturing peripherals of the workstations can be replaced with a **kiosk tool** as an option. Quality assessment and compliance with the following standards: ICAO9303, ISO/IEC FCD 19794 and 19785, ANSI/NIST, WSQ for FBI



DOCUMENT SECURITY REFERENCES

REFERENCES

- Hungarian biometric passports' personalisation
- Hungarian electronic identity cards
- Albanian, Icelandic and Hungarian driving licences
- Hungarian vehicle registration cards
- EU Residence Permits
- European health insurance cards
- Hungarian excise and tax stamps
- Vouchers for Sodexo Group

DOMESTIC AND INTERNATIONAL CERTIFICATES

- certified bidder and securities producer of Hungary
- authorized supplier to NATO (up to NATO "Secret" level)
- Industrial Security Clearance up to NATO and EU "Secret" level, system licence for classified data management
- Industrial Security Clearance up to national "Strictly confidential" level, system license for classified data management
- ISO 9001 quality management system certificate
- ISO 14001 environmental management system certificate
- ISO 27001 information security certificate
- CWA 14614 High Security Printer certificate
- AQAP 2110 certificate
- MasterCard Card Quality Management certificate
- MasterCard Mobile Provisioning

VALUE-ADDED SERVICES:

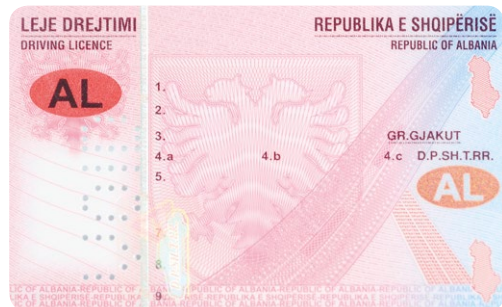
- decades of experience in document production and issuing
- hardware/software infrastructure implementation of the whole spectrum of document issuance
- IT project management
- consultancy of administration and production workflows
- delivery know-how



Hungarian biometric passports' personalisation



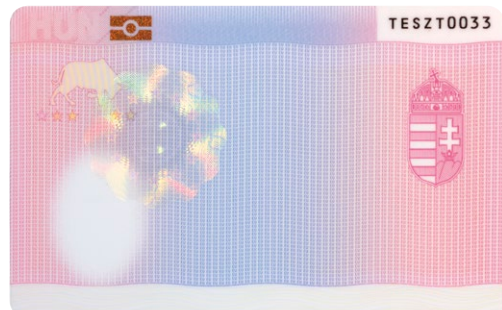
Hungarian personal identification cards



Albanian driving licence



Hungarian excise and tax stamps



EU Residence Permits

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