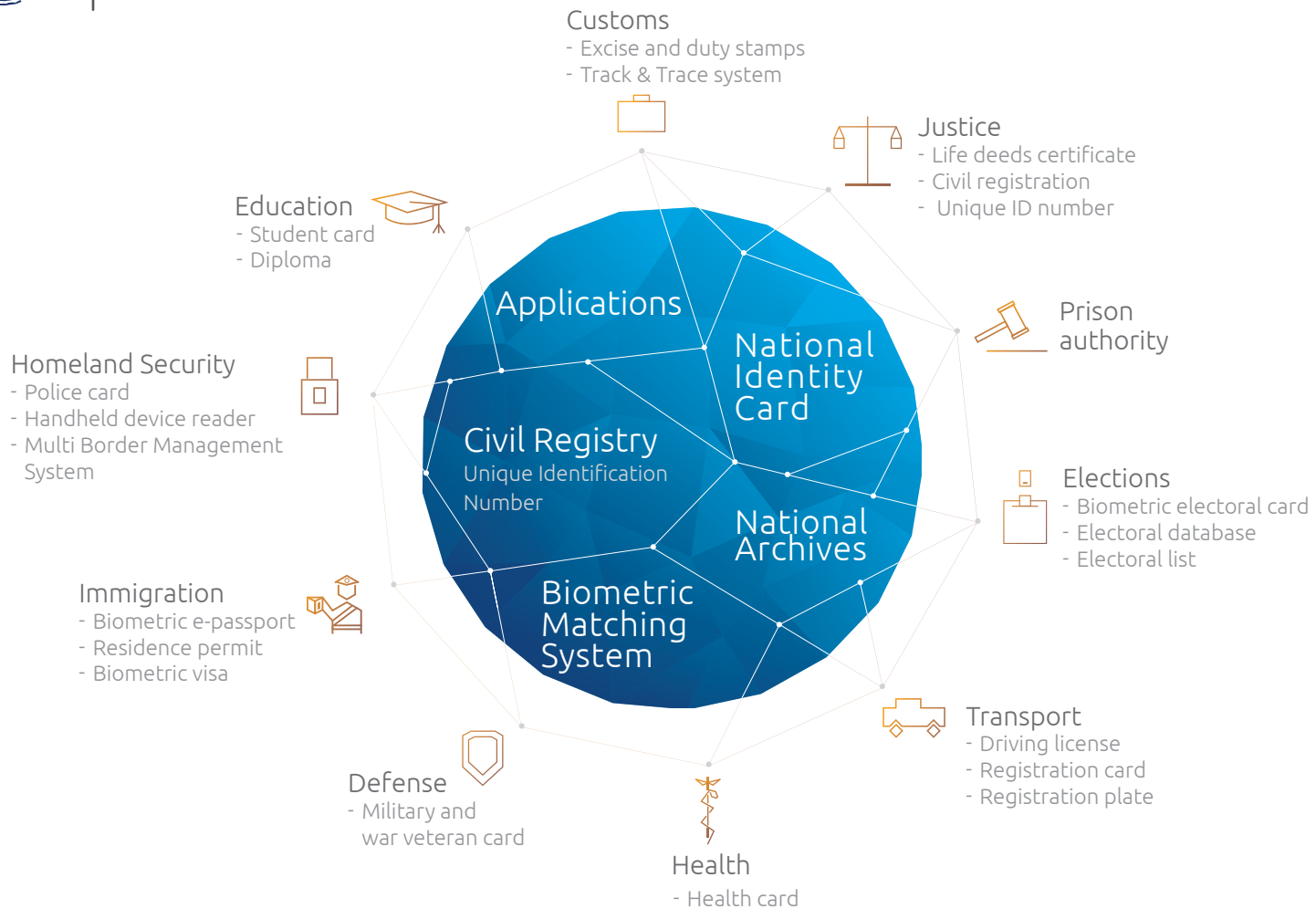




SEMLEX
GROUP

BNS ©

Biometric Network System
Enrolment and Identity Management



Applications

Biometric and alphanumeric enrolment • Centralization and storage of enrolment data • Duplicate detection (MATCHING 1: n) • Creation of a National Register of births, marriages and deaths • Document Production • Administration and security • Systematic audit of results • Distribution of documents to holders • Editing of production statistics • Traceability of operations

The BNS (Biometric Network System) is the global solution developed by Semlex to build a Central Biometric Identification System.

The BNS safely feeds a biometric database, to enable State Administrations to produce and issue identity papers and monitor the authenticity of their rightful owner.

Applications

Enrolment

Taking high-resolution fingerprints
Taking Photo ID
Entering alphanumeric data

Data processing

Creating a unique identifier for each applicant
Detection of duplicates by comparing
1:n (Comparison of a biometric data with a series of reference biometric data)
Suppression of identity fraud
Data Integrity

Database of register of births, marriages and deaths

Complete record of citizens' data
Application to search citizens
Creation of identification reports
Creation of lists of fraudsters

Management of multiple documents

Capacity of managing a set of identity documents in a single application

Print Management

Management of document personalization
Management of biometric encoding

Distribution

Management of document distribution
Authentication of holders before distribution

Administration

Editing enrolment and identification reports
Management of the Register of births, marriages and deaths
Consultation tools
History of issued documents
Management of lists of fraudsters

Management of users

Authenticated Users
Management of Rights

Technical Details

- Microsoft Environment
- Client / Server architecture for national deployment
- SQL or Oracle database
- JPEG 2000 compression of pictures, compliant with ICAO recommendations
- Footprint in 500 dpi
- Digital Signature
- Comparison speed of 800000 templates per second
- Biometric Security in SSO (Single Sign On)

