



## Leveraging technology to improve Border control



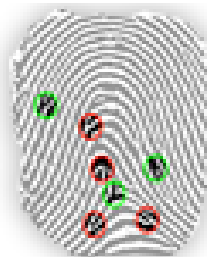
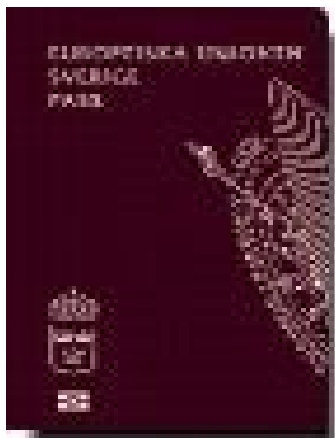
Martin Djunte Ghomsi  
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# Gemalto: a global leader

- ✦ We help governments, national printers and integrators design and roll-out secure documents and robust digital identity solutions.
- ✦ We design and deliver solutions to Governments for secure and convenient Border control
- ✦ We are active in over 80 government programs worldwide, with a leading position in electronic passport programs.
- ✦ Strong foot print and support in Africa.
- ✦ Dutch company with a global footprint
  - ✦ 2,2 billion Euro revenue in 2012
  - ✦ 10,000 employees
  - ✦ 15 production sites
  - ✦ 14 R&D sites worldwide
  - ✦ 74 sales & marketing offices
  - ✦ Strong foothold in Latin America

# A Complete Portfolio

**Turnkey Solutions for successful travel experience and enhanced Border and Visa Management Systems**



**Secure Documents & Components**

**Citizen Registration**

**Document Issuance**

**Passport Management**

**Border Control**

# Border Management: A market driven by Security, convenience and cost

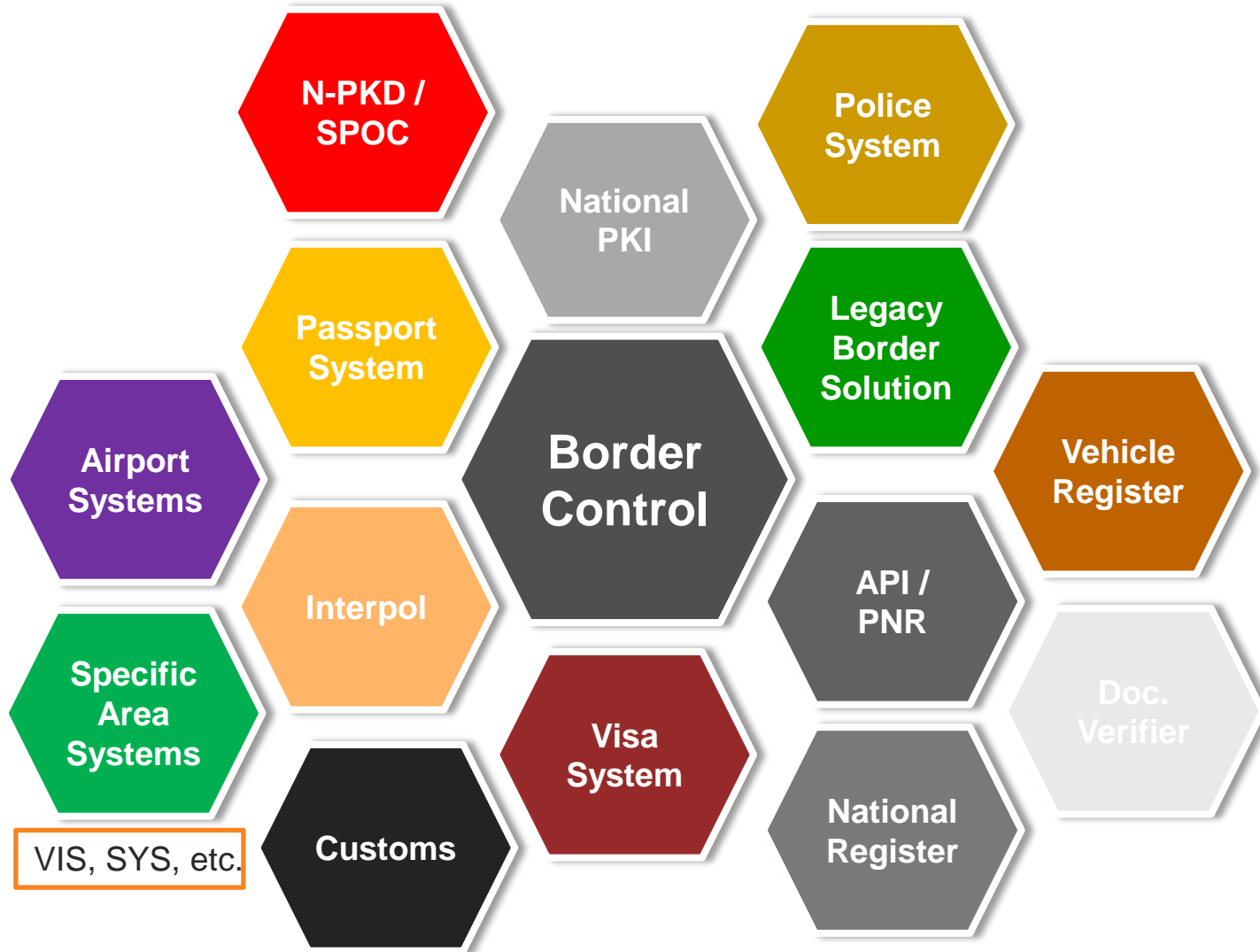
- ✦ Increasing number of travellers putting pressure on infrastructure (low cost carriers, emerging markets,...)
  - Passenger numbers should grow by ~6% p.a. through 2017
- ✦ terrorist attacks are performed by unidentified foreigners (Kenya 2013,)
- ✦ High penetration of e-Passports enables introduction automated passenger authentication
  - 70% of electronic passport in 2012, growing to 90% in 2016
- ✦ Authorities searching a better balance between facilitation and security, while reducing costs
- ✦ New regulation (e-Passport post-issuance) creates market for eVisas



# Complex and sensitive projects involving different organizations within the country...



# And Interfacing with many external systems



# Gemalto responding to the key drivers

## Security

- Increases controls accuracy
- Integrates multiple data sources, including foreign
- Facilitates the decision process
- Removes internal fraud



## Facilitation

- Reduces hassles of security check
- Increases convenience and user-friendliness
- Removes language dependencies
- Increases objectivity of controls



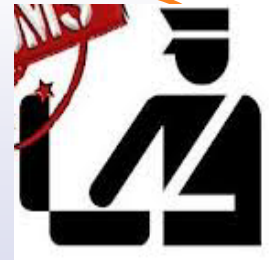
## Cost

- Reduces operational costs
- Increase flexibility and mobility of installations

# With full range of solution including 5 key elements

## Inspection system

Makes sure that the document presented is authentic  
Checks electrical as well as physical security feature  
biometric checks of the traveler



## Border Management system (SBMS)

A complete border management system including primary and secondary inspection, exception handling, special alerts.  
Back office and control list management, connection to external systems

## eGates

Allow automatic and secure handling of Immigration & Access control  
Electronic Travel document verification combined with biometric matching and control list handling



## Key Management (SPOC, PKD)

SPOC Valid only in a EAC environment (mainly Europe today)  
A secure communication channel between states to exchanges sensitive information



## Visa Management System

Visa Application & Management System to securely handle Visa and Residence Permits  
Application decentralized, Approval can be centralized or decentralized



THANK YOU

[Martin.djunte@gemalto.com](mailto:Martin.djunte@gemalto.com)