



BUILDING A WORLD CLASS ADMINISTRATION IN MAURITANIA



eID forum case study
Dar es Salaam – June 2015



AGENDA



- Introduction
- The current system
- The benefits
- The future
- Conclusion

AGENDA



Introduction



The current system



The benefits



The future



Conclusion



★ A **LARGE** COUNTRY WITH A STRATEGIC POSITION IN NORTH AFRICA – **1,030,631 KM²**

★ **POPULATION** IS AROUND **3.4 M** PEOPLE

- 800,000 people in Nouakchott
- Bilingualism : Arabic & French

★ **HIGH HOMELAND SECURITY FOCUS**





MANUAL PROCESSES

Introduces flaws and human errors in the process



SECURITY ISSUES

- Identity documents easy to forge
- Limited controls based on visual inspection
- Limited control over population movement in and out of the border



SLOW ADMINISTRATION

Long and fastidious processes for the citizens



MODERNIZE THE ADMINISTRATION

Computerization of the population registration

Build up a reliable population registry (citizens and residents)



ENFORCE SECURITY

- Increase security and reliability at all steps: *enrolment, data processing, identity documents, identity control*
- Implement connections between population registry, Criminal AFIS and border control
- Introduce state-of- the-art tools and services



PROVIDE NEW GENERATION SERVICES

- Protect citizen's rights
- Set up Smart cards (ID card, Resident card, Vehicle Registration card)
- Set up a Biometric passport
- Introduce new services

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The benefits








The future



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THE CURRENT SYSTEM – FULLY INTEGRATED



ENROLMENT



- Population
- Visa: Enrolment at consulates or at border
- Police

PROCESSING



- Civil AFIS (fingerprints, facial recognition)
- Criminal AFIS (with print and latent processing)
- Border Control

OUTPUT

(database & doc)



- Civil Registry and Electoral Registry
- Document personalization and issuance
- Multi-application smart card and biometric passport
- Public Key Infrastructures
- Border Control : Visa issuance and Visitor Registry

THE CURRENT SYSTEM – FAST AND ACCURATE



MULTIBIO PROCESSING



10 fingerprints



Portrait



Signature



Scanned supporting documents

15,000 enrolments per day

DOCUMENT REQUEST



5,300 ID card requests per day



500 passport requests per day

RED LIST MANAGEMENT

(NIN)

NATIONAL
IDENTIFICATION
NUMBER

POPULATION

4 to 10 M

NIN

POLICE

200,000

MAURITANIA
VISIT

1,5 M

CENTRAL
DATABASE

Response time < 1 minute



ID SYSTEM MANAGEMENT



CIVIL REGISTRY

Civil ID management depending on population database (birth, wedding, divorce, death)



DOCUMENT MANAGEMENT

- Biometric E-passports
- Identity Cards, Resident Cards, Vehicle Registration Cards
- Polycarbonate documents
- Multi-application cards (Identity management, Election, Health, Ready for e-Gov applications)



ELECTORAL REGISTRY MANAGEMENT



THE CURRENT SYSTEM – MAURITANIA VISIT



1 Biometric acquisition



* portrait and 2 index acquisition

2 Remote acquisition at consulate level



* biometric visa sticker (minutiae in 2D barcode)
* connection to the central registry for 1:N search

4 Visitor verification at the border



* biometric visa 1:1 verification at the border
* interface with civil registry: 1:N search in visitor registry at citizen enrolment

3 Local visitor registries with 1: N AFIS at the border



* enrolment of visitors without biometric visa
* linked to central visitor registry for synchronization



CRIMINAL AFIS

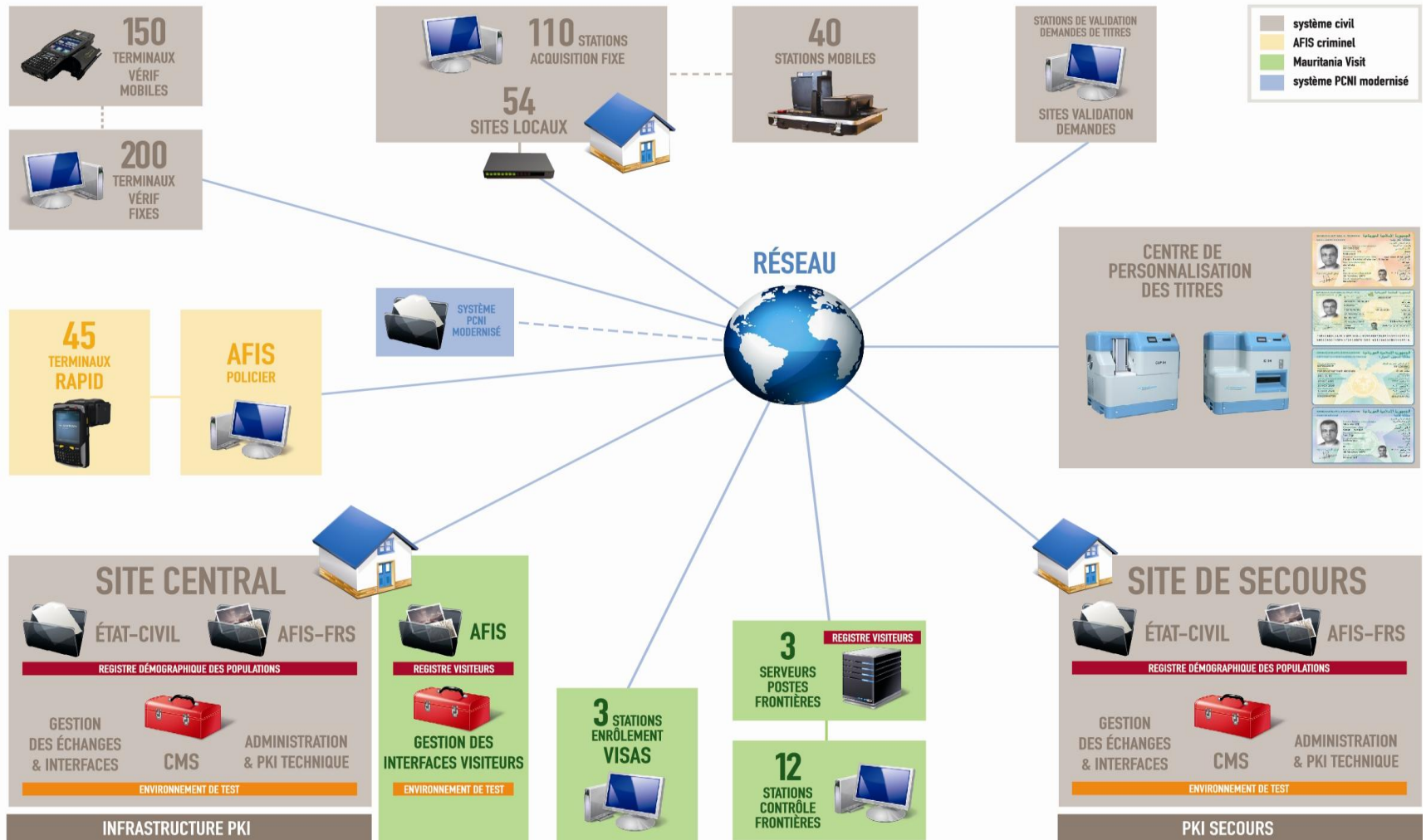
- Rolled fingerprints
- Palm prints
- Latent fingerprints and latent palm prints
- Live and paper acquisition



FIELD TERMINALS






Handheld terminals: 2-finger acquisition
for fast 1:N wireless search

THE CURRENT SYSTEM – ARCHITECTURE



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THE BENEFITS



RELIABLE POPULATION REGISTRY



IMPROVED DATA SYNCHRONIZATION
AT GOVERNMENTAL LEVEL



SECURE ACCESS
TO DATA



SEAMLESS INTEGRATION OF
SECURITY SYSTEMS



BETTER DETECTION
OF FRAUDULENT ATTEMPTS



BETTER PROTECTION
OF CITIZEN'S RIGHTS



OPTIMIZED INVESTMENTS





UNDERSTAND THE **ENVIRONMENT**
OF THE CUSTOMER

LISTEN TO CUSTOMER NEEDS
AND PROVIDING ADEQUATE SOLUTION

PROVIDE HIGH QUALITY
MAINTENANCE
THROUGHOUT THE YEARS

ACCOMPANY THE CUSTOMER
THROUGHOUT THE EVOLUTION OF
ENVIRONMENT AND REQUIREMENTS
AND ADAPT THE SYSTEM CONSEQUENTLY



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CONCLUSION – THE SUPPLIER, MORPHO

Workforce

More than **8,600** employees
in **55** countries

Research

More than **30%**
of the
company's
workforce

8% revenue
invested

A global presence

71 subsidiaries, branches
and representative offices
in the world



eID EXPERT

CONCLUSION – MARKETS OVERVIEW

DIGITAL ID & SMART TRANSACTIONS

Smart cards
Secure elements
Strong authentication
Digital signature
Legally binding archiving

CIVIL IDENTIFICATION

Citizen registration
ID management & document issuance
eServices

CRIMINAL JUSTICE & PUBLIC SECURITY

- Criminal Identification
- Law Enforcement
- Road safety

CRITICAL INFRASTRUCTURE

- Protection of sensitive sites
- Physical and logical access control
- Explosives detection

TRANSPORT & BORDER CONTROL

- Hold Baggage Screening
- Checkpoint Security
- Air Cargo
- Border Management

CONCLUSION – MORPHO LATEST BIOMETRIC INNOVATIONS

Finger On
the Fly®

**Four
fingerprints**

capture
in less than **1
second**



Morpho
IAD™

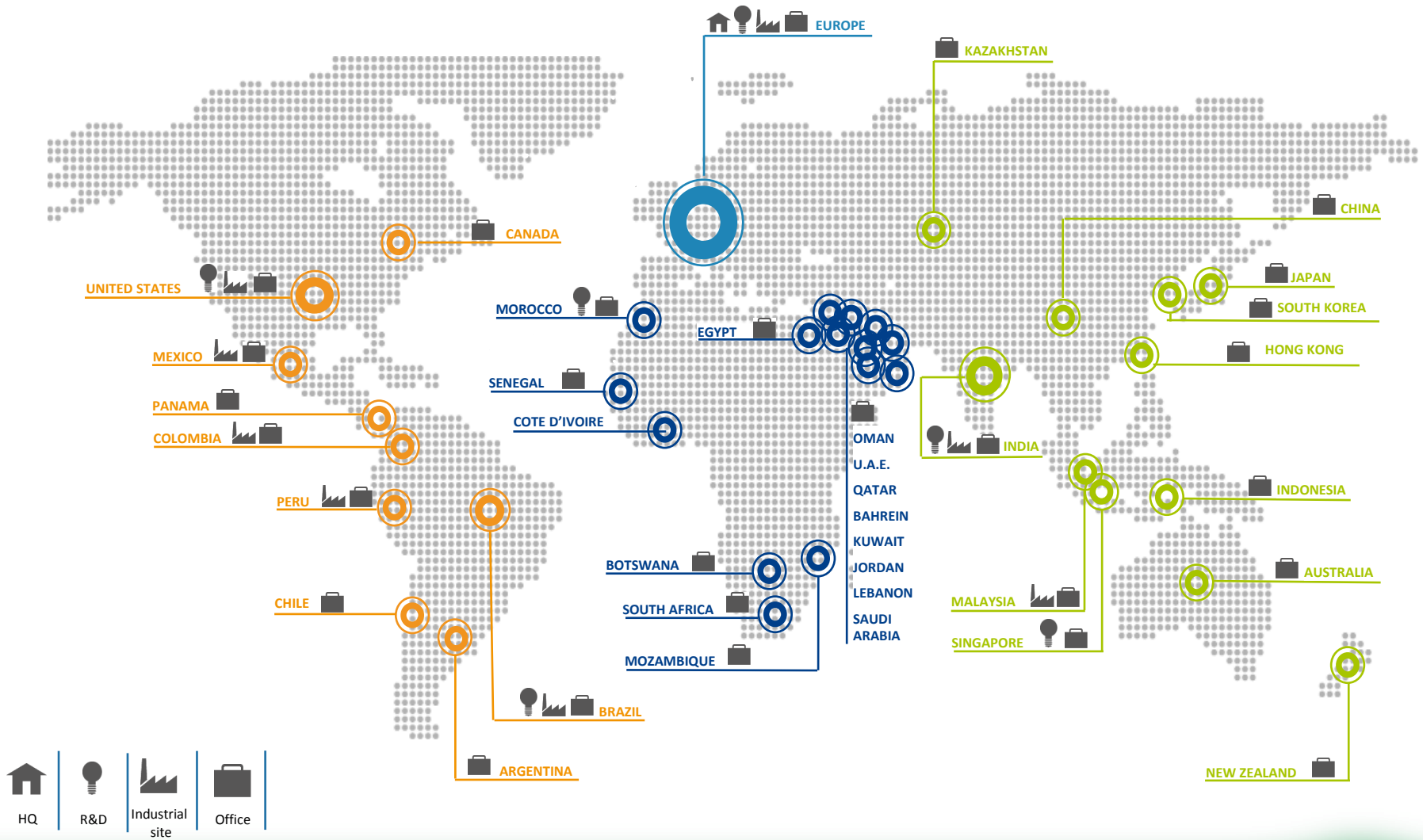
Simultaneous
capture of **two
irises** and face
in less than **1
second**



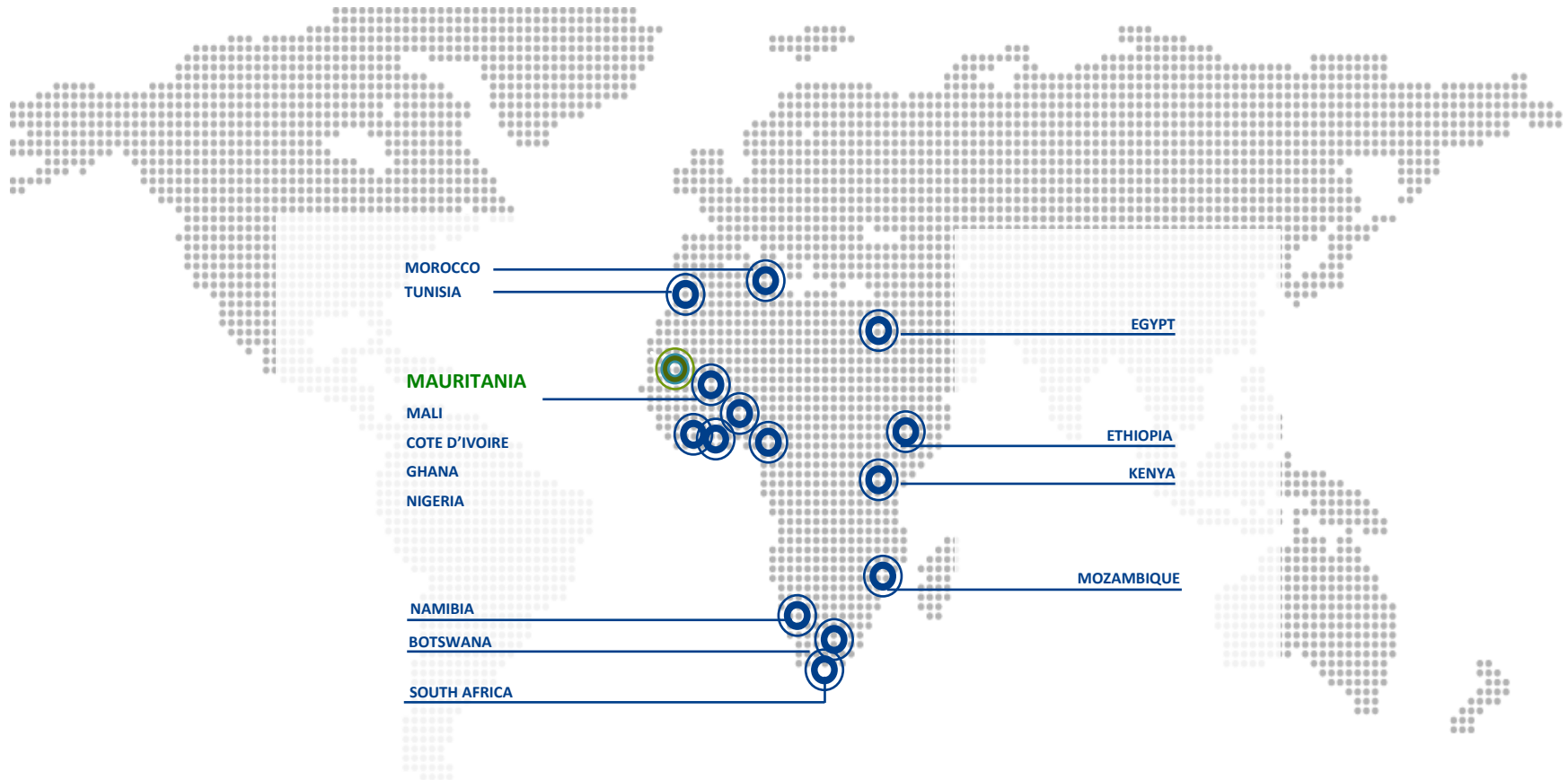
MorphoT
ablet™

Secure
**biometric
tablet** for
secure
services

CONCLUSION – MORPHO WORLDWIDE LOCATIONS



CONCLUSION – MORPHO MAIN PROGRAMS IN AFRICA



THANK YOU !

DANKE !

DHANYA-WAADH! (धन्यवाद)

EFXARISTO ! (Ευχαριστώ)

¡ GRACIAS !

OBRIGADO !

SHUKRAN! (شكرا)

XIÈXIÈ (謝謝)

**MERCI
ASANTE SANA.**

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