



4th Annual Conference – Abuja, April 2018

Presentation by Iris Smart Technologies Limited



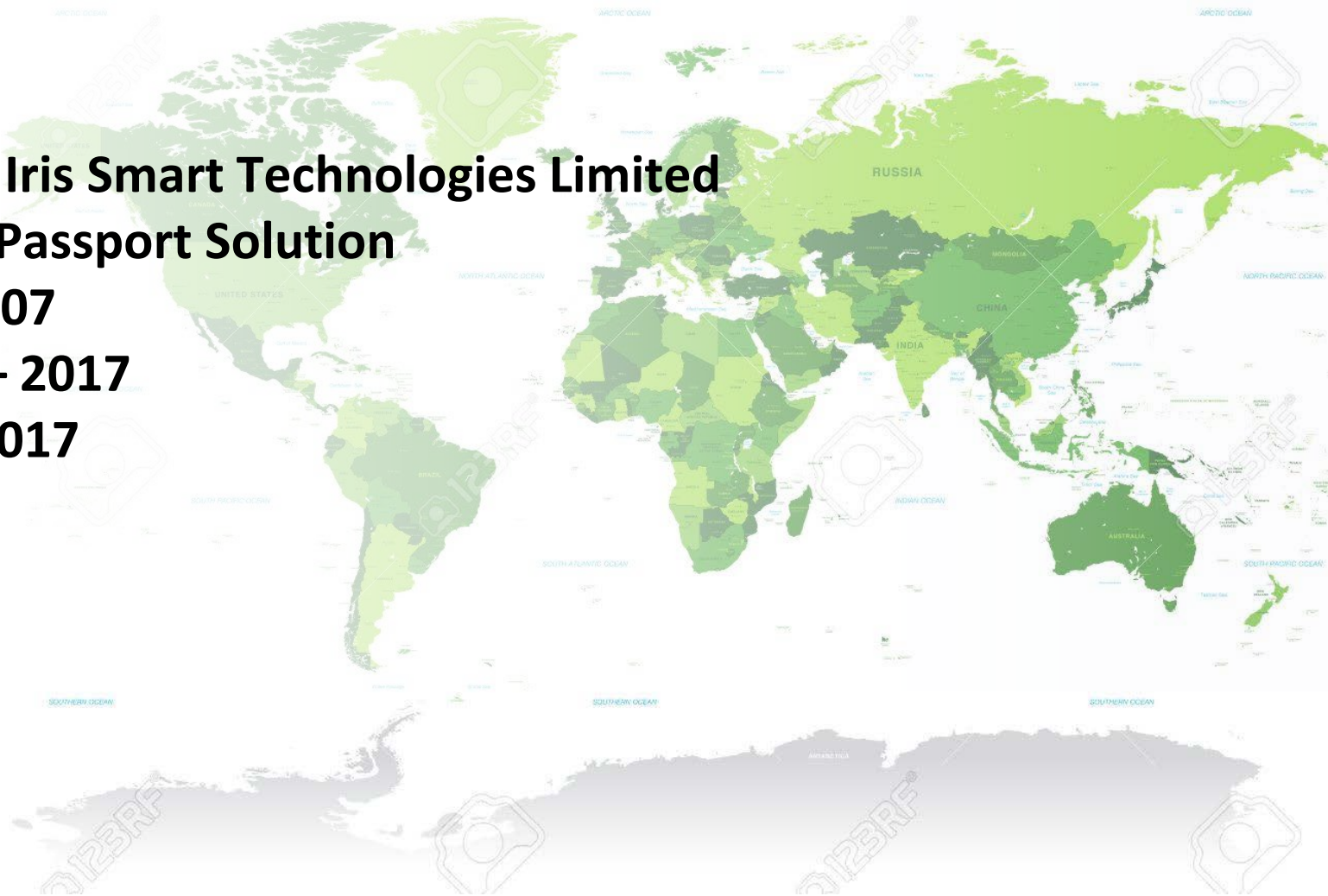


Content

1. Introduction: Iris Smart Technologies Limited

2. The Nigerian Passport Solution

- Pre 2007
- 2007 – 2017
- Post 2017



ISTL Milestones



Late 80's/Early 90's
1st 'real time' on-line
and one-branch
banking solution in
Nigeria

Nigeria Immigration Service

2003 National Elections

Produced largest
biometric voter's register
in Africa. Approx. 69
million applications



2005-2007

Registration of FG
Employees for National
Health Insurance Scheme

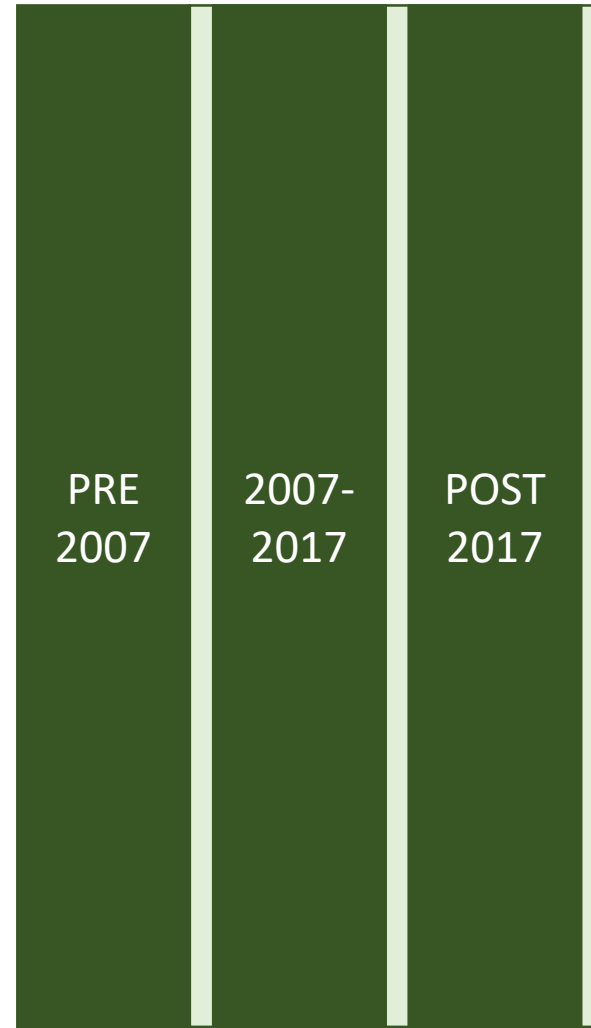


2007-to date

Signed PPP agreement with
FG to implement end-to-end
passport solution



The last decade of the Nigerian passports history



Pre 2007



- Decentralised operation with no central control and central database
- Multiple identities/issuance
- Human intervention
- No means of verification



PRE
2007

2007-
2017

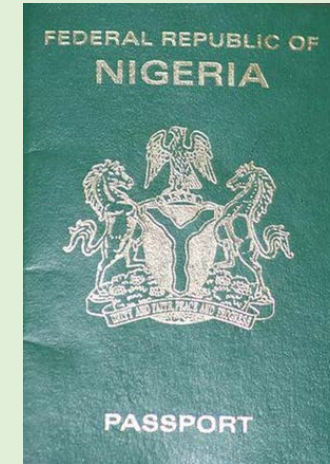
POST
2017



Pre 2007



- Though MRP booklet was ICAO compliant
- Production by several suppliers
 - Lack of consistency in colour and quality control
 - Duplicate booklet numbering
- No booklet control
- Bio and visa pages susceptible to manipulation
- Passport booklets had little international credibility



PRE
2007

2007-
2017

POST
2017

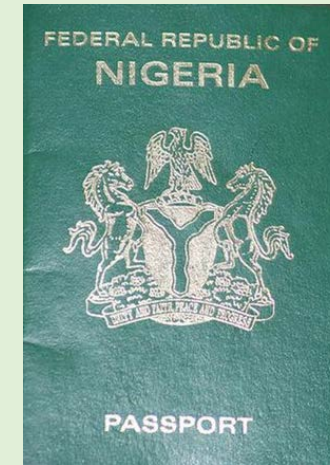


2003 -2007



In 2003 Iris Smart Technologies Limited signed an agreement with the Nigerian Government for a solution providing:

- A new issuance processes with central control
- New identity management considerations
- ePassport with ICAO compliant chip that stores holders' biometrics(face and fingerprints) and bio data.
- Chip enables passport booklet validation and verification of the holder
- Financing



PRE
2007

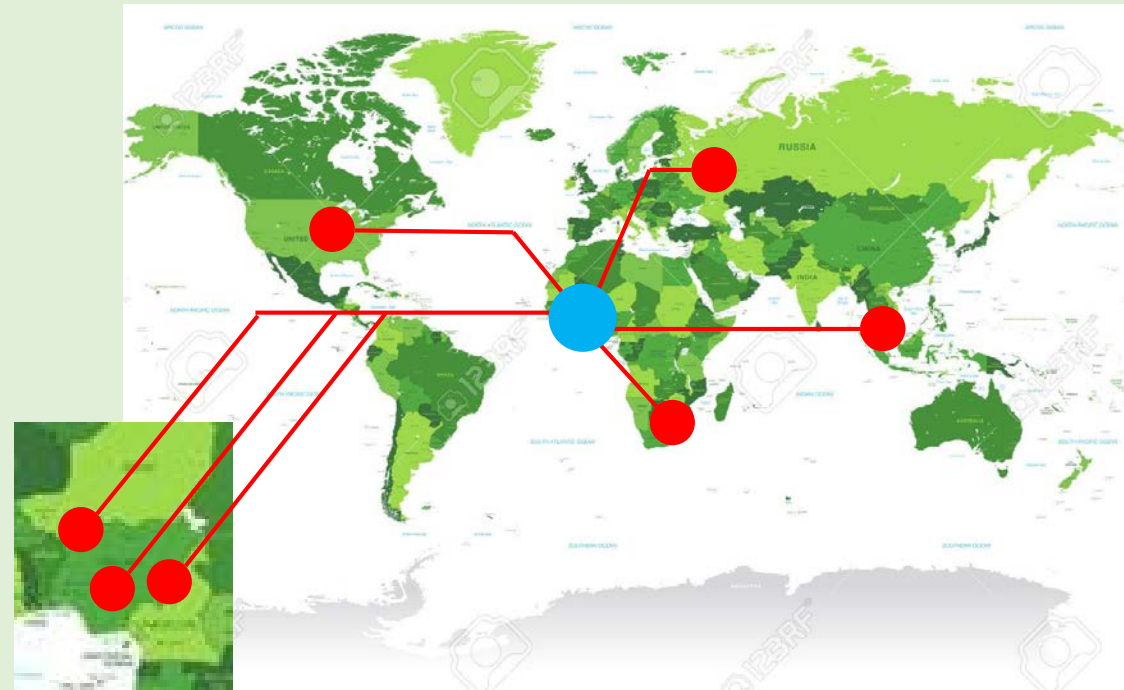
2007-
2017

POST
2017

Post 2007



- Decentralised acquisition & personalisation
- Centralised system including:
 - Database
 - Identity management
 - Approval (AFIS)
 - Deduplicating (AFIS)
 - PKI
 - Inventory control
 - Verification
 - VPN/VSAT/Telcos



PRE
2007

2007-
2017

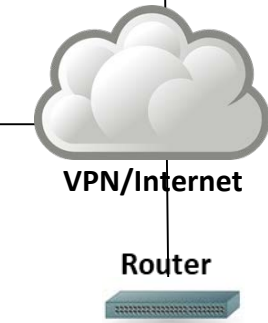
POST
2017



System Architecture

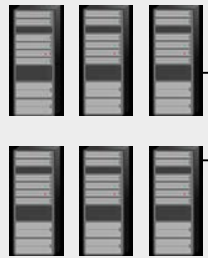


Foreign Missions

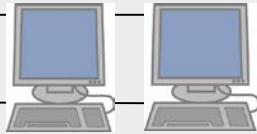


Central Servers:
Key/SAM/Web/
AFIS/Data

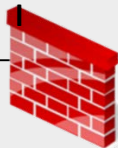
Central Host



Work
Station



Firewall



Router



Port of Entry

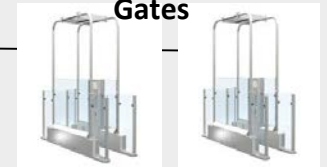
Firewall



Auto-Gate
Controller



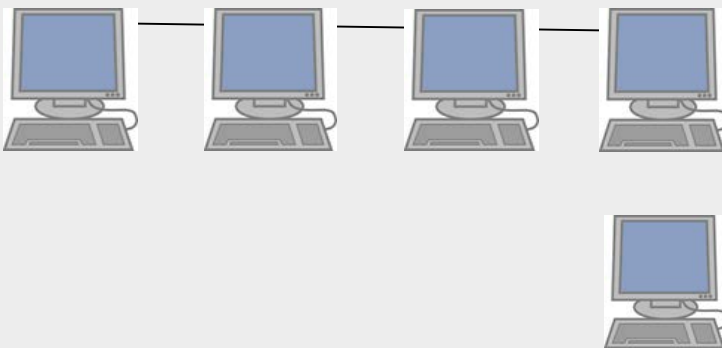
Auto
Gates



Branch: Front Office

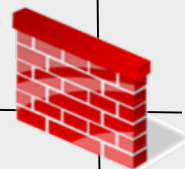
Work Stations

Data Capture Issuer Payment Reporting



Branch: Back Office

Firewall



Quality Control



WIP Database



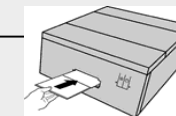
Chip Perso



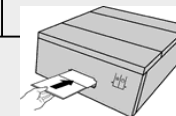
Surface Perso



Printer



Laminator



Post 2007



- ICAO compliant epassport booklet, with compliance with basic and some optional features

ICAO Specification (Basic Features)	Current Booklet
Security Paper	Compliant
Security Printing	Compliant
Numbering	Complaint
Personalization	Compliant
Whole Page Substitution	Compliant

PRE
2007

2007-
2017

POST
2017





Status today:

- ePassport that is ICAO compliant
- Secure issuance processes and systems with traceability and accountability
- Identity deduplication using AFIS
- Financial success for the Nigeria Government
- An average of 1.2million booklets issued annually
- Over 9 million booklets issued to date

PRE
2007

2007-
2017

POST
2017



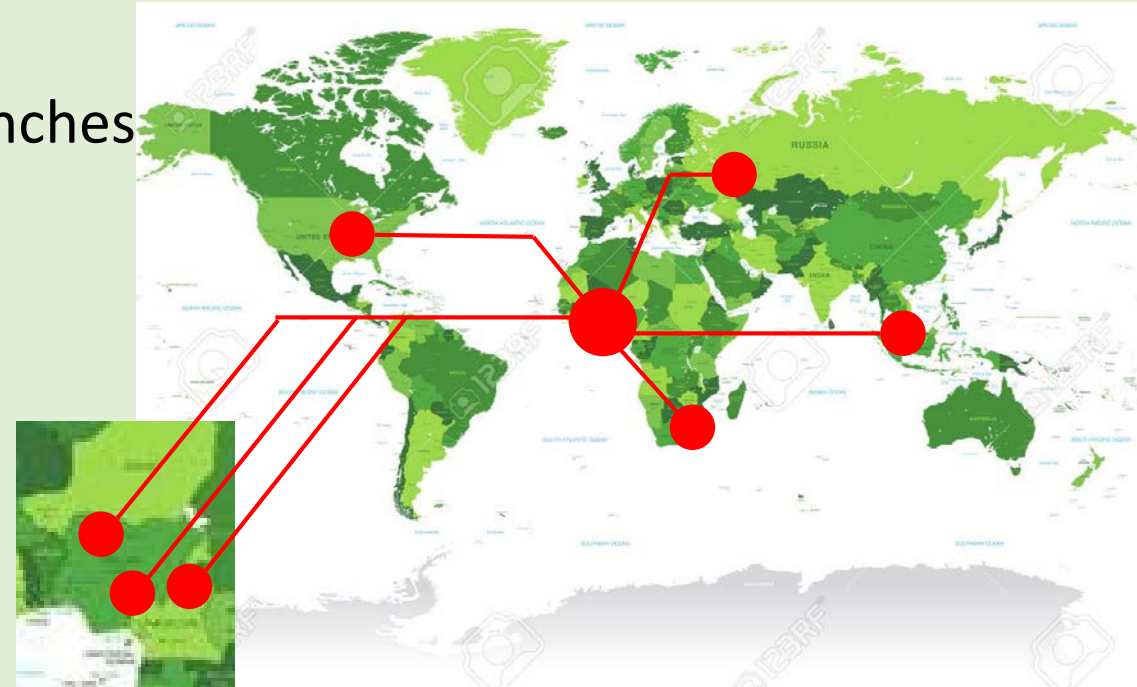
Future

PRE
2007

2007-
2017

POST
2017

- Continuous reviews and upgrades against fraud and cyber crime
- Harmonisation with NIMC to keep improving identity management
- Full 4-4-2 fingerprint implementation
- Increased footprint;
- 42 local and 41 foreign branches
- Migrate to SAC



Thank You



Iris Smart Technologies Limited