
ID4Africa, Nigeria, 2018
Government eID In Africa: trends

**Secure e-documents**
Efficient and reliable environment and infrastructure.

**Verification**
Precise and massive citizen verification

**Financial inclusion**
Identity + payment

**Authentication**
Convenient and secure authentication on mobile devices

**E-government**
Effective access and usage of e-Government

**Collaboration**
Increasing collaboration between registries & databases, enrolment stations, issuance bureaus, banks, traffic, social and healthcare systems, etc.
Current approach to implement e-documents in Africa:

- Solution providers and integrators sell separate systems and projects to governments.
- Systems are usually not connected with each other.
- There is no exchange of data between units and systems.
- System capabilities are not used effectively.
Desired approach & next challenge:

✔ Build synergy between governments and solution providers.
✔ Explain governments how their country can benefit from implementing a **complete ID system** for citizen verification and identification, e-Government, border control, healthcare and social programs, financial services.
✔ Maximize efficiency and minimize costs.
African eID: fast-developing market

- **Africa is developing fast.** What was once a few countries investing in citizen identity is now a fast-growing market.

- There are **many opportunities with an integrated ID system** with a wide range of applications: voting, social programs, Know Your Customer (KYC) for banking and financial inclusion.

- Each country in Africa should find its own path for growth.

- Secure ID systems will help shaping the Africa of the future and improve the living standards for a billion+ of people.
Number of people travelling within Africa and internationally is increasing. Secure documents and systems, including PKI, are a must to fight identity fraud and establish mutual trust between countries.

The system behind the identity document becomes more important than the document itself.
The majority of Sub-Saharan population still live in rural areas. Therefore governments are not only in need of centralized systems but also mobile enrolment systems and independent platforms that can work without Internet and electricity.

A healthy balance between secure documents and professionally developed systems is needed.
X Infotech’s advantages

- Turnkey set of solutions
- Technological flexibility
- Guaranteed delivery time
- Hands-on approach
- Complete
- Strong partner network
- Interchangeability
- Scalability
- Integration experience (3rd vendors & systems)
- Realistic timeframe
- Resource allocation
- Project from scratch
- Solution migration
- GAP Analysis
- Trusted partners
X Infotech case studies
Ghana eID case

End-to-end solution implemented by the consortium:
enrolment, personalization, instant issuing and in-the-field usage, combined with national AFIS system

Set of Chip Functionalities

- ICAO ID application (SAC/EAC compliant)
- National ID application (EACv2)
- Match-on-card
- PKI application,
- CPA payment application

Card is a combination of legacy barcode cards and modern chip card

Chip – CC EAL5+ certified, biometrics, EAC (CA/TA), PKI, end-to-end encryption between mobile stations and central DB
Ghana eID case

Enrolment & Card personalization - mobile kits

Further developments

Mobile tablets for cardholder enrolment, biometric authentication, and post-issuance solution for information update on the chip
Quick facts (Statistics from Huduma Kenya service)

☑ Customers served daily: **30,000**
☑ Government services: **45+** government services available at Huduma Centres.
☑ Revenue: **KES 12 billion** collected

Awards
Huduma card case

Multi-functional social card

Identification: biometrics - photo and fingerprints
Payment function: MasterCard and CPA
Integration: 4 major banks + framework to on-board other participants, 12 ministries, connection to IPRS database
Mobile: devices for pre-enrolment and payments
Security: chip and PIN

Features of Huduma Card

One multi-purpose card
Safety
Acceptance
No bank account required
Value-added services

Why Huduma Card

☑ Cost saving
☑ Enhanced transparency
☑ Financial inclusion
☑ Centralized government database
☑ One-stop shop platform
X Infotech

- Knowledge & expertise gained from real projects installations
- Full set of products to support programmes from A to Z
- Mobile components to facilitate the speed of adoption
- Financial inclusion option

- Electronic identity documents
- Social multi-application cards
- Electronic driver’s licenses
- Financial cards, Payment app + ID
- Border control management
- Biometric verification
Thank You!

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