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# The Algerian Biometric and electronic National Identity Card « CNIBE »

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Strengthening Aviation Security through Improved Traveller Identification



## *Summary :*

1. Introduction: Algerian experience with MRTD.
2. Overview of the Algerian CNIBE Project.
3. The Algerian eID « CNIBE » .
4. Our Future Project.



# 1- the Algerian experience with the MRTD :

The Algerian Ministry of interior has create in 2012, the Direction of secured Titles and documents that have the mission of:



The personalization of the secured biometric documents and titles in conformity of internationals standards and recommendations (ICAO doc 9303)



the development of the eServices to be used by the Algerian Citizens,



the implementation of a National Register of Population



The development of the software needed for the process of the enrolment and the delivery of the biometric documents.



The training an the assistance for the users of the enrolment and delivery platforms



The Administration and monitoring of the PKI plateformes and the DATA center ,



The Algerian Ministry of the Interior has two secured personalization sites:

- Principal site at Algiers ,
- Backup and Disaster Recovery site ,

### Backup site (Laghouat)



### Principal Site (Algiers)





Actually the Algerian Ministry of interior personalize and deliver two secured biometric documents: the Algerian ePassport and eID:

1- the ePassport :

- The 1<sup>st</sup> Algerian biometric ePassport (MRTD) was delivered on January 2012,
- All the classic passports were converted into biometric ePassport before November 2015,
- Now , more than 8,6 millions ePassports are delivered ,

Year	Number of ePasseports delivered
2012	269 145
2013	807 917
2014	2 274 833
2015	3 655 493
2016	1 691 365
Total	8 698 753



2- the eID: Carte Nationale d'Identité Biométrique Electronique (CNIBE):

- The 1<sup>st</sup> Algerian Biometric eID (CNIBE) was delivered on march 2016,
- Now, more than 1,5 millions eID are delivered ,

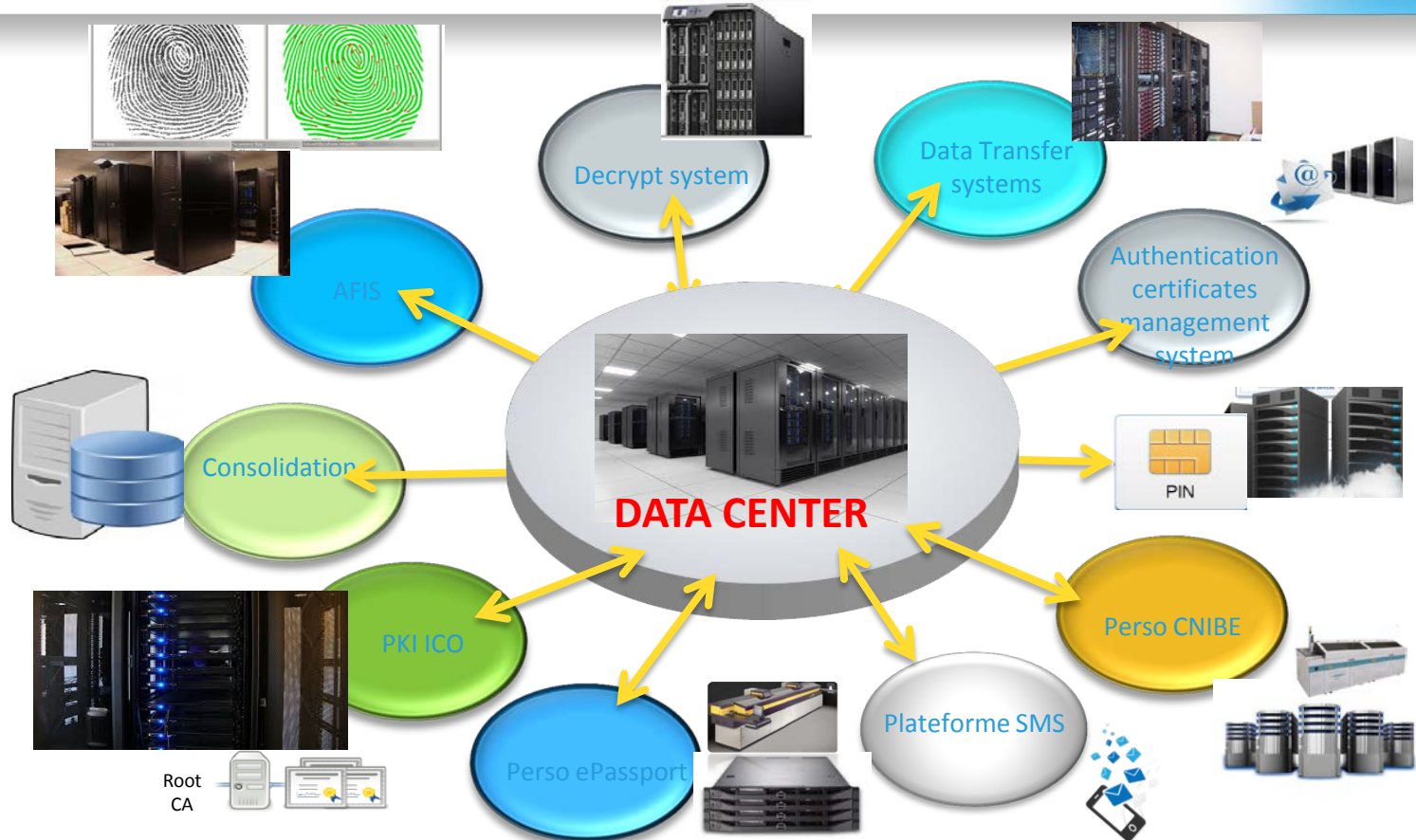
Year	Number of CNIBE delivered
2016	1 598 129



## 2- Overview of the CNIBE Project:

for the project of the CNIBE, the ministry of interior has use the acquired experience of the ePassport project and the existing technical infrastructures which have been upgraded and reinforced by new specific systems to the CNIBE:

- The enrolment and delivery technical platform,
- The network infrastructure for the encrypted data transfer from the enrolment sites to the central system (data center),
- The central data processing system :
  - Decrypting and consolidation data sub systems,
  - Checking the conformity of data (demographic data, photo,,),
  - A SMS notification system : to inform the citizen about the production status of his document,
- Two PKI platforms :
  - ICAO PKI,
  - authentication Certificates generation PKI ,
- The automatic identification by fingerprint system (AFIS),
- The identification and authentication management system (SGIA).
- the Card personalization management system for the CNIBE,
- the PinMailer management system for letters containing the PIN / PUK,









## PHYSICAL SECURITY FEATURES



## الشريط الضوئي المؤمن: (Hologramme)



## Holographic foil (Laminat):



# PHYSICAL SECURITY FEATURES



DID® 90° permutation of color



90°





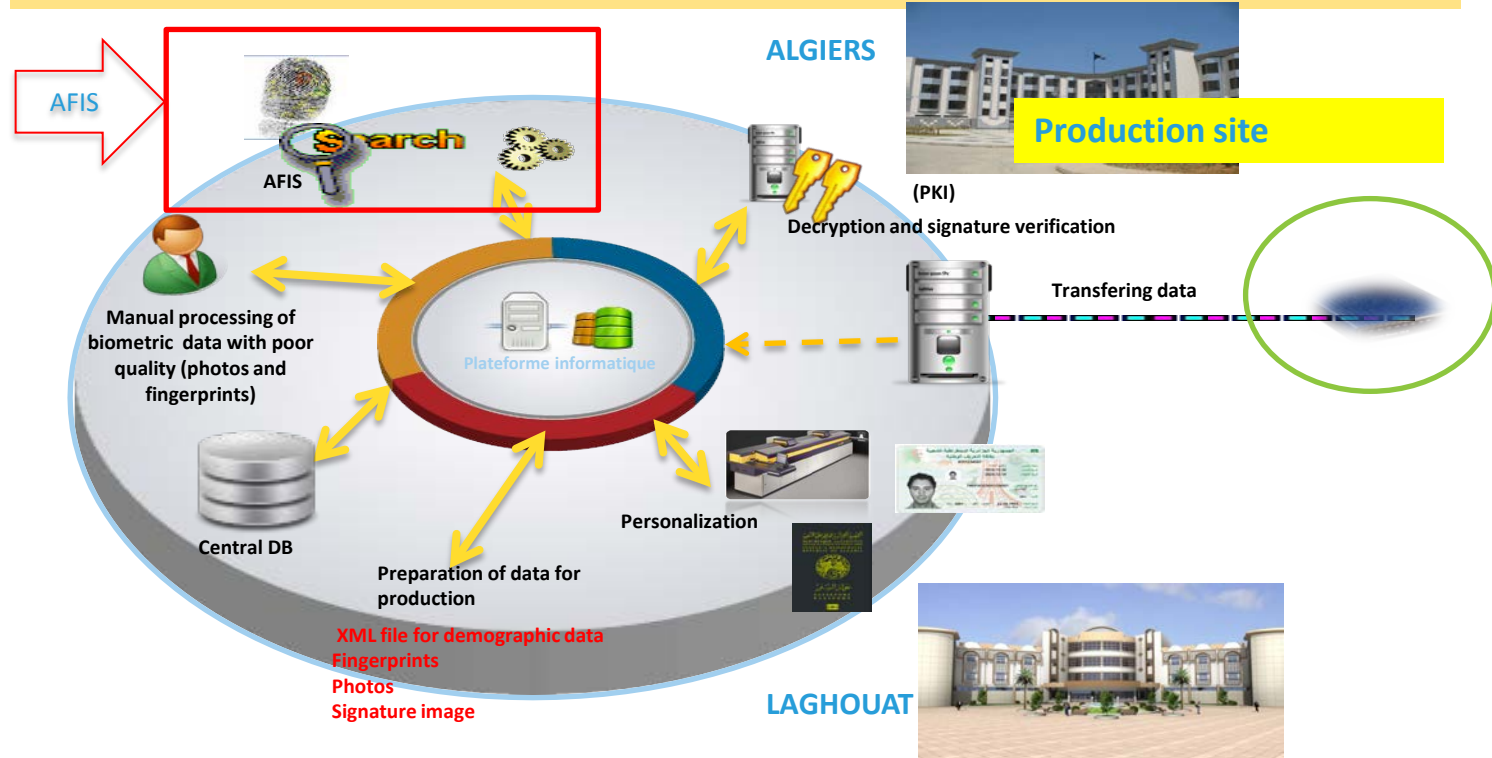


- A secured cycle of enrolment and delivery
- A secured central processing system based on :
  - Encrypting data transfer from enrolment sites,
  - Centralized generation of Personal identifier (NIN),
  - automatic identification of fingerprint system « AFIS »,
  - Secured personalization rooms:
    - all access are by fingerprint and managed by a central control system,
    - video Supervision system





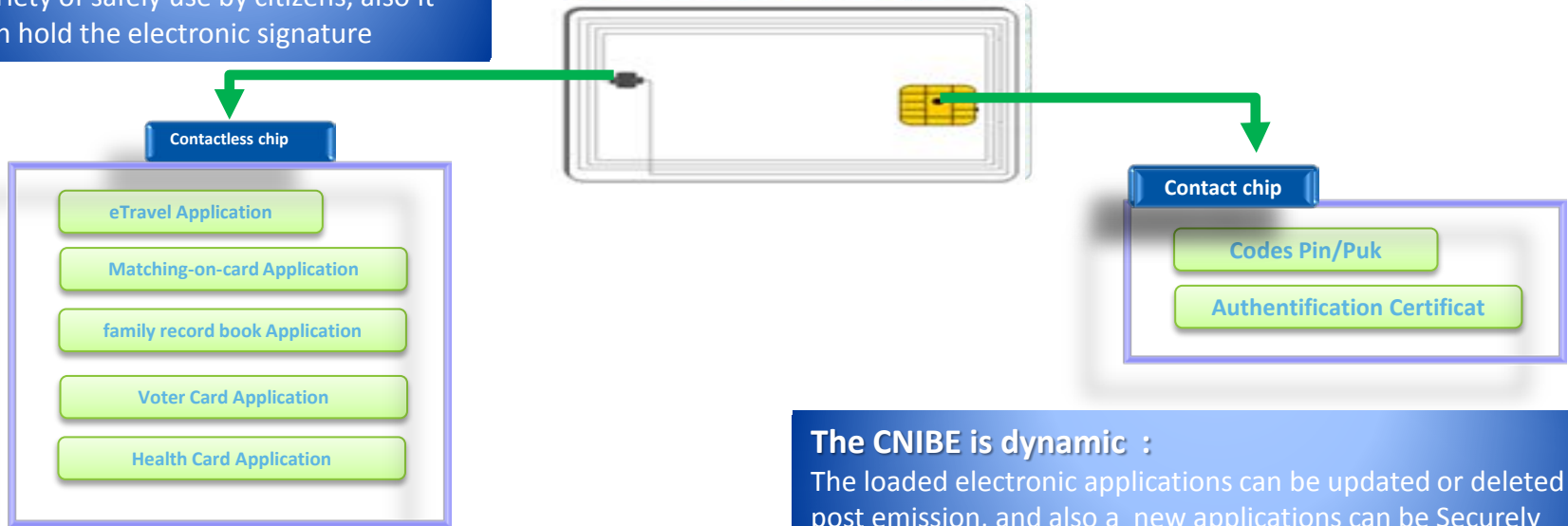
## Architecture of Algerian's Biometric passport and ID Card processing





**The CNIBE is multi-application :**

it integrates in the two chips multiple applications and secure mechanism for a variety of safely use by citizens, also it can hold the electronic signature



**The CNIBE is dynamic :**

The loaded electronic applications can be updated or deleted in post emission, and also a new applications can be Securely uploaded,





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# Our future project :

According to the global project of modernisation and the eGov, the Algerian Ministry of Interior has planned the personalization and delivery of two new documents from January 2017:

- The biometric and electronic Driver Licence,
- The Electronic Cars Registration



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# Thank you for your attention

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