eu-LISA Industry Roundtable

EES, ETIAS and Carriers
Getting Ready for the Entry into Operation

Innovative Land/Sea border technologies to optimize passenger flow in vehicles

12:20-12:40 -12 October 2022 • Tallinn, Estonia & Online

Secure and efficient Border control

Biometric technologies

Effective solutions

European technological sovereignty

Manage **Personal Data**
Trust in security is a key point

FINGERPRINT

FACE

Biometric
Enrolment & control

High Quality European Biometric Expertise

Face Image Acquisition

Fingerprint Acquisition

**International Standards Compliant**
✓

ISO/IEC 19794 Information technology — Biometric data interchange formats

ISO/IEC 29794 Information technology — Biometric sample quality

+ Development of Quality Metrics Applied on Real Time Image Flow
Optimized Biometric Acquisition Process
European technologies, algorithms and patents

Manage emerging issues: Spoof Attempts

Artificial faces

Artificial fingerprint
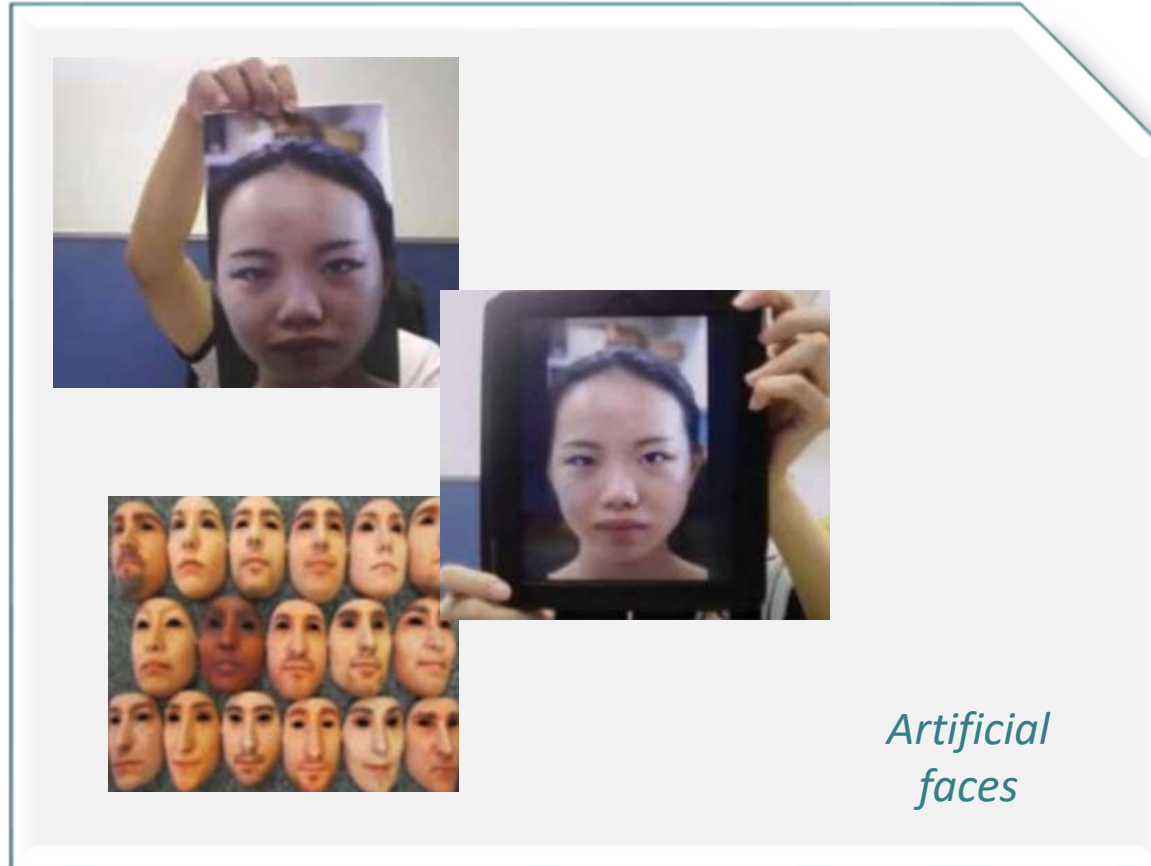
Traditional Quality Metrics : Ensure that Biometric Data can be used for Verification or Identification **BUT** they DON'T detect Spoof Attempts

⇒ **Spoof Attempts can Compromise the Reliability of Data at Capture Point**

Anti-spoofing technology: FIDO-2 certified

Certification

In recognition of IN Groups's achievement of FIDO® Certification

Company: IN Groupe
Product: INFaceSecure 1.0.0 (DeTechID)
Specification: Biometrics
Approved Biometrics Modality: Face Verification
Test Environment: INFaceSecure 1.0.0
IAPAR Threshold: 0% => Level 2
FIDO Certification Program Policy Version: 1.2
FIDO Biometric Requirements Version: 2.0
Lab Evaluation Date: January 4, 2022
FIDO Biometric Evaluation Approval Date: January 4, 2022

Certificate No.
BIO100020220215001
Issued
February 15, 2022

- Certification obtained in February 2022

- International certification for measuring the performance of facial recognition and fraud detection

- Will be implemented in our border control and identity enrolment systems such as One ID, EES Kiosks, Mobile Digital Identity Wallet

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Passenger flow compliant with GDPR

Fingerprint & Face = Biometric Data ➡ Sensitive Data

- **User consent** at the enrolment step <u>and</u> for verification

- Possible to **retract consent** at any time

- **Control** on biometric data : user is only holder of key required for data decryption

- **Traceability** of access to data

General **D**ata **P**rotection **R**egulation

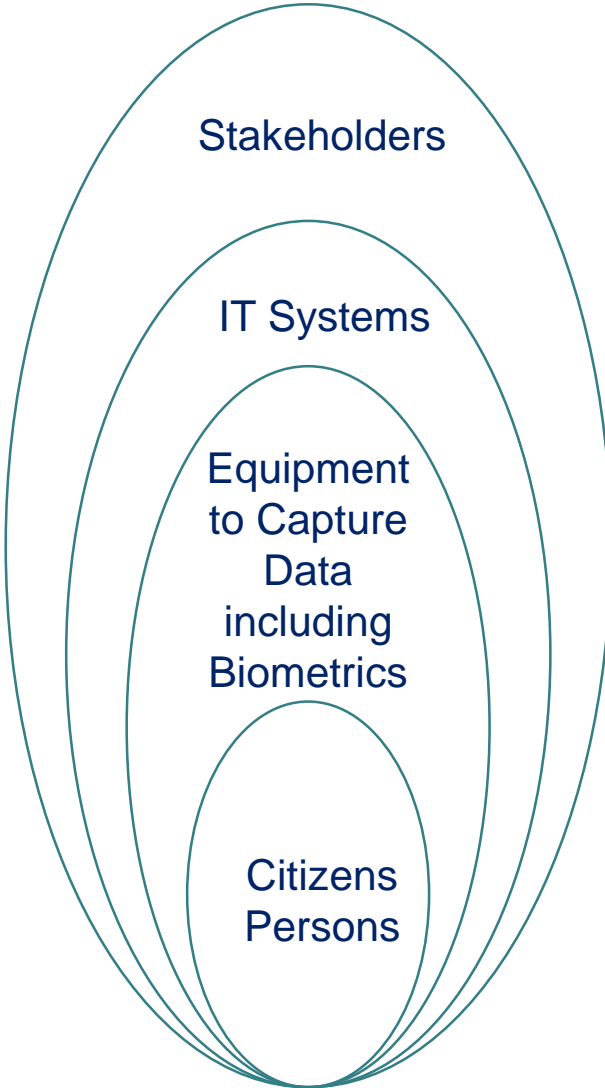# Document ID management and biometric expertise, smoothly combined

Kiosk or Mobile device reads:

- Identity document (Passport/ID card)
- Biometrics (face, fingerprints/no contact)
- Other Proofs/Documents to travel

Enriched Digital Identity:
- Biographic and Biometrics data
- Travel itinerary
- Health Certificate
- eTA (eVISA/other)

Biographic data

Biometric data

Travel journey data

Health Certificate Proof

Stakeholders

IT Systems

Equipment to Capture Data including Biometrics

Citizens Persons

Field proven solutions for Border Control
Kiosks - tablet - eGates

EES Tablet

EES Kiosk
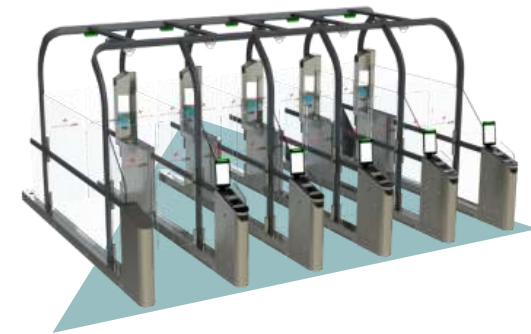
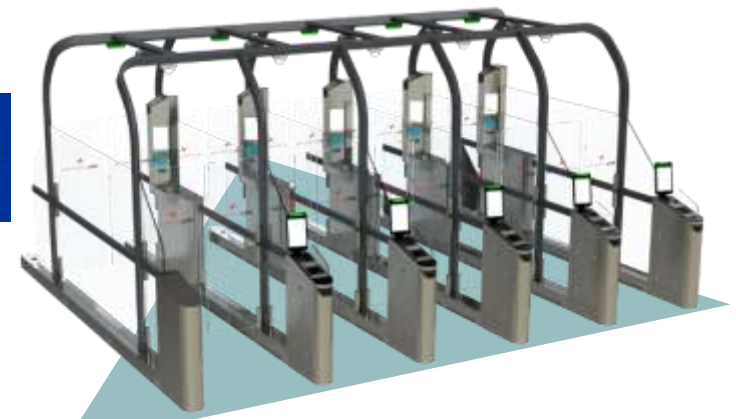ABC eGates
TCN+8

Field proven solutions for Border Control

All TCN
(foreign) for
a short stay
✓ eVISA
✓ ESTA

Schengen Citizens

Touchless & Holographic EES Kiosks

Navigate through an innovative contactless experience

UPGRADE STANDARD KIOSK SERVICES USAGE...

- ID documents reading for check-in
- Facial image capture
- Biometric control (face, eyes, fingers)
- ...

... THANKS TO VIRTUAL FRAME

Experiment a full « touchless » navigation

A UNIQUE PATENTED INNOVATION

FULL TOUCHLESS EXPERIENCE

PLUG & PLAY SOLUTION TO UPGRADE EXITING KIOSKS

DON'T TOUCH IT ... TEST IT !

Touchless & Holographic Post Covid Solutions

Contactless **fingerprint** scanner
Fast, secure & efficient contactless device

INTUITIVE & PATENTED DESIGN

- Full contactless usage with a simple swipe
- Reinforce the high expectation of the sanitary protocol
- Easy to integrate in many use cases : desk, kiosk, gate, border check points...

FAST EXPERIENCE & SECURED DATA

- 4 fingers capture in less than 3 seconds
- High resolution performance
- Encrypted data for users authentication

FAST   **CONTACTLESS**   **CLEANLINESS**
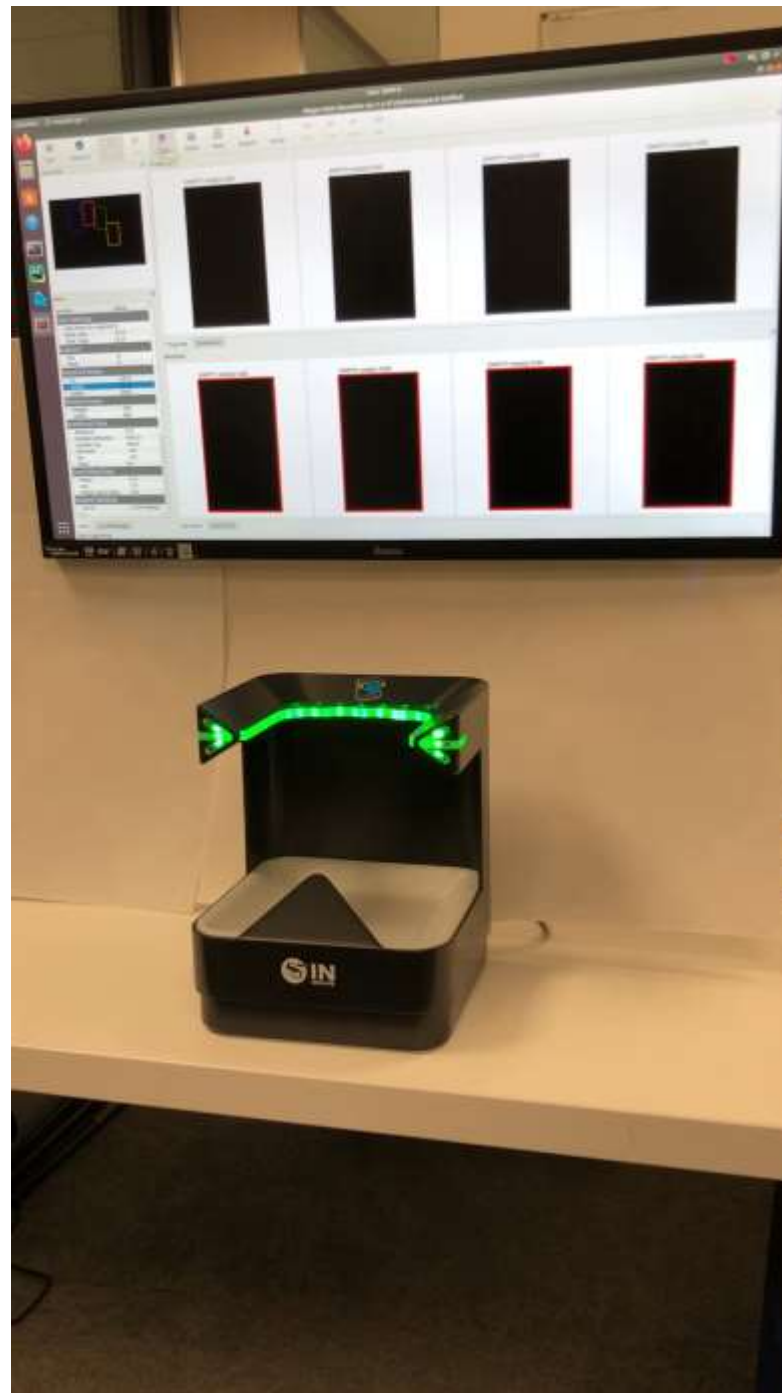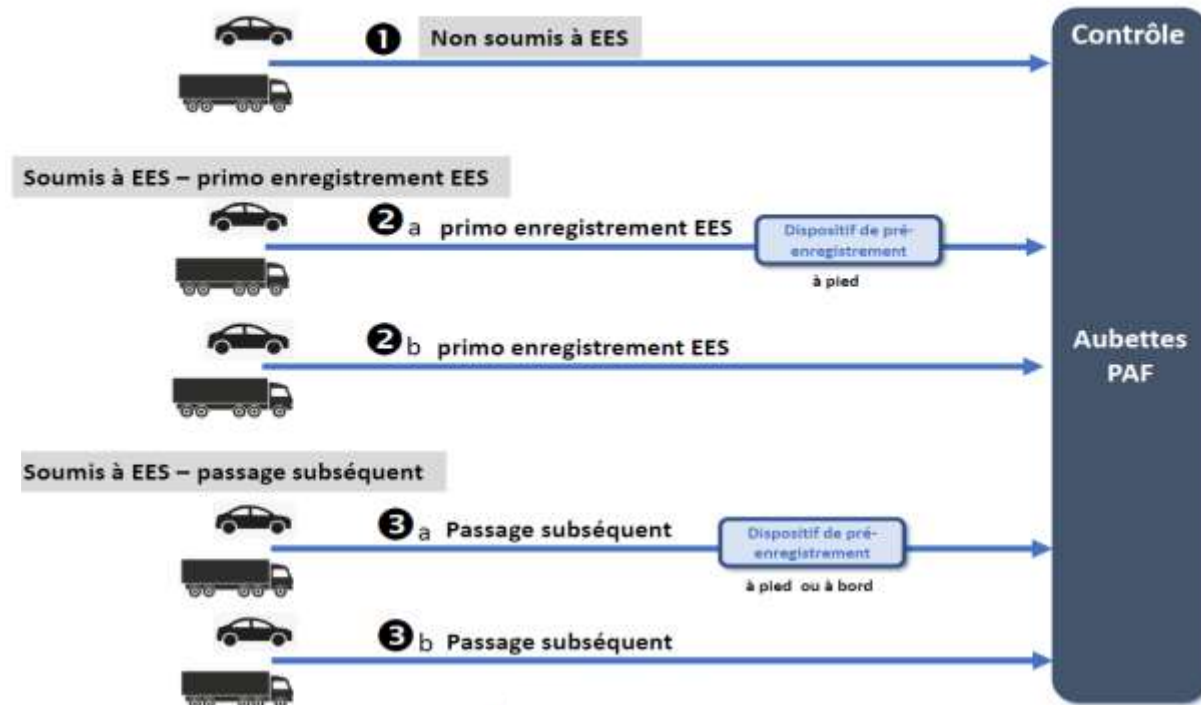
Totem   *Kiosk*

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Innovative Land/Sea border technologies to optimize passenger flow in vehicles

Retex on the proof of concept released in the frame of the Brexit Between France & UK

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Trucks

EES or Schengen enrollment	Truck control	Border control

National Central system

citizen

PL·123·AK LAPI

BORDER

PL·123·AK LAPI

Cars

EES or Schengen enrollment	Car control	Border control

National Central system

Citizen

PL·123·AK LAPI

BORDER

PL·123·AK LAPI
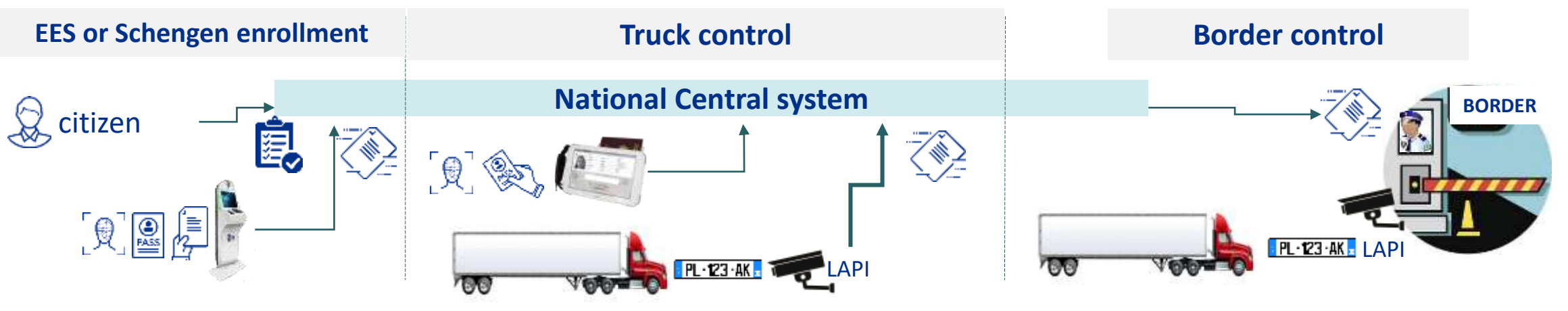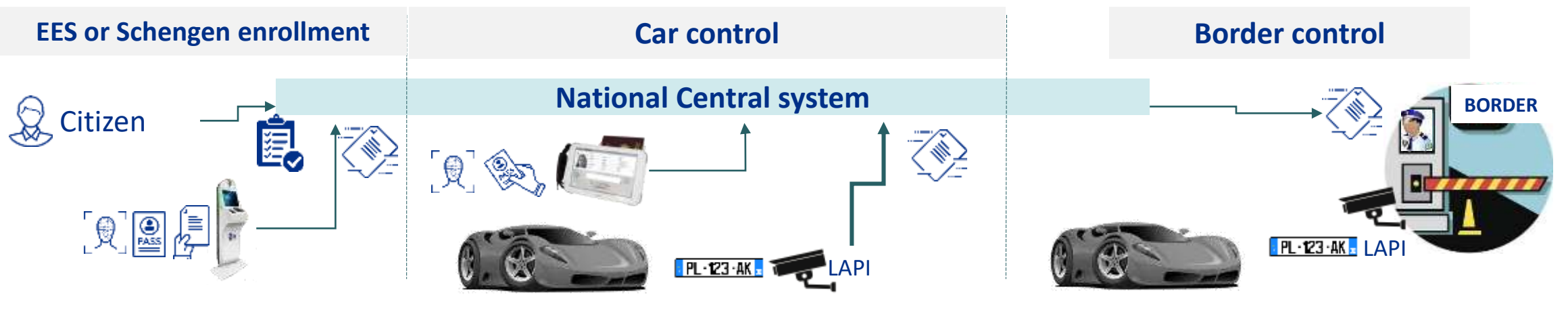
We support governments

Modernize public services to boost user convenience, promote public adoption, ease administration, reduce the turnaround time, and minimize identity fraud.

→

IN GROUPE

IN Groupe: a provider of comprehensive identity services

A trusted, recognised actor present in almost **130 countries.**

Has full mastery of the value chain of identity, individuals, and objects: optical, electronic, and biometric components on interoperable systems and credentials.

Makes everyone's lives easier by allowing everyone to feel calm and safe about their physical and digital lives: simplicity, security, and confidence when exercising your rights, making transactions, and engaging in discussions.

Personal data and discussion safety translates into a commitment: protection of a fundamental right, namely **the right to be you.**

€475 M*

TURNOVER IN **2019**
* pro forma (Surys/Nexus)

A partner of the French government since 1538

1,700

EMPLOYEES

In France, Sweden, Germany, the Netherlands, the US, Kenya, Malaysia, Singapore and India.

Biometrics

Artificial intelligence

Cryptography

Machine learning

Optical & electronic components

BlockChain

Printing secure credentials

France

44%

56%

International

The **service** section

The **identity section**

30%

30%

40%

The **components** section
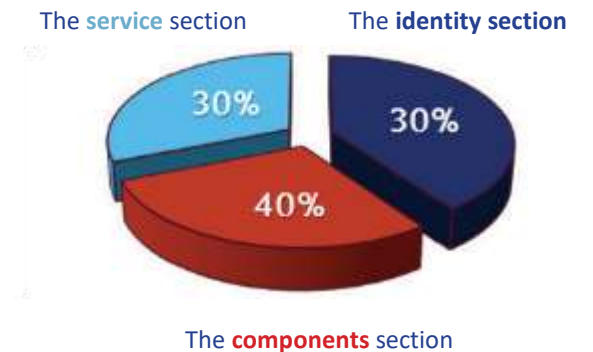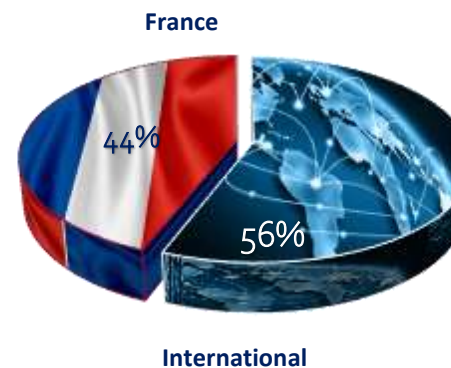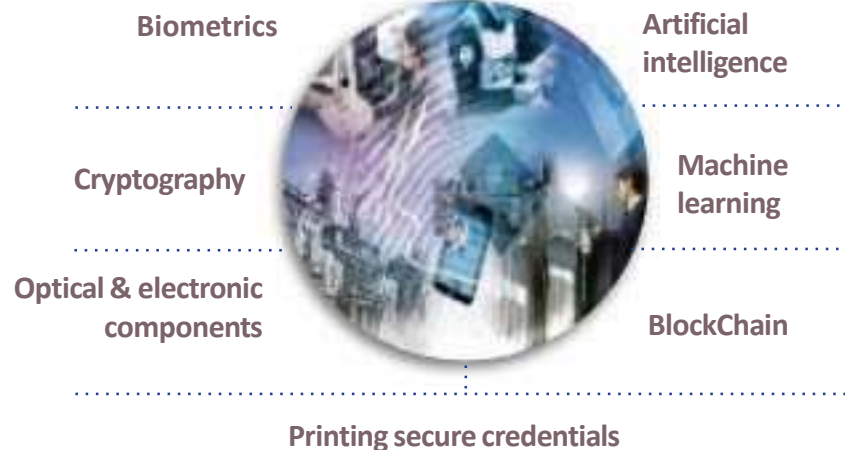
500 years of resilience, 10 years of transformation

1538
Francis I grants the printer the title of the King's Printer for Greek

1640
New name:
Imprimerie Royale

1993
Imprimerie Nationale:
Public limited company with 100% public capital

2002
1st delegation of public service contract

2006
Design and customisation of secure government documents
(introduction of the first customised electronic passport)

ENRICHING SKILLS   **STRATEGIC AUTONOMY**

Components

Systems
ID activity
THALES

A new brand

Optical security solutions
SURYS

Secure digital identities
neXus
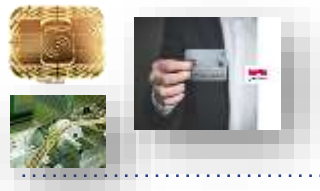
2014
Integration of SPS's secure electronic components business.

2017
Integration of the Thales Group's identity and biometrics technologies.

2018
To serve our customers around the world: governments, citizens, and private companies.

2019
Optical & digital components for identity and currency solutions.

2020
Integration of Nexus to create and protect professional secure digital identities.

A Group **with a worldwide presence**

Canada, Mexico, Peru, Ivory Coast, Kenya, Malaysia, Singapore and, with the arrival of Surys, the Netherlands, the United States, Germany, Poland, the United Arab Emirates,

Hong Kong and with the arrival of Nexus:

India, the Czech Republic

5 Continents

6 sites in France & Europe

1914	**2014**	**2017**	**2019**	**2020**
PARIS Headquarters	**FLERS-EN-ESCREBIEUX** Secure platforms and credentials	**ROUSSET** Electrical components	**VELIZY-VILLACOUBLAY** Solutions for biometric & digital currency identification	**BUSSY-SAINT-GEORGES** Authentication and traceability, Fighting fraud	**STOCKHOLM** Professional digital identity solutions

7 Research centres in Europe

3 in France
3 in Germany
1 in Sweden

IN GROUPE

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A comprehensive range of solutions
for governments, companies, & citizens

Helping governments to exercise their sovereignty

Ensuring the safety of citizens' identities and the national territory.

Improving services for citizens.

Assisting governments with the digital transformation.

Ensuring the safety of transactions and money flows.

Maintaining the integrity of companies

Protecting individual identities and connected objects.

Securing sensitive information systems and physical access

Optimising digital document services at the best price.

Protecting citizens' identities and practices

Offering a fully secure physical and digital identity.

Simplifying electronic administrative procedures.

Making daily life easier by going paperless.

IN Groupe has powerful systems
From Identity document delivery to border control

Protecting identities

Making daily life easier

Technologies adapted to new uses

Biometrics

Border control

Authentication through image processing on mobile devices

Digital identity

Enrolment

Identity management platform

Authentication both online and in real life

Collecting data from multiple channels

Securing travel data

Real-time controls

IN Groupe in figures

10 million
passports every year

> 100 systems
for border control
Installed in France and around the world

300 million
documents protected with
optical components

over **6,500** biometric
stations installed
around the world

~220 products
in production

Over **4** million
professional cards
(agent cards)

Over **16** million
Air Quality
Certificates

Over **1.5** million
Inclusion mobility cards

1 out of **5**
cards
equipped with the
SPS chip around the
world

15 million
polycarbonate cards (driving
licenses, electronic residence permits)

> 1 million
professional identities
deployed

> 1 billion
SPS products around the world

50 million
personalised letters

10 billion
banknotes

2 billion
unique codes generated every year
for tobacco traceability efforts

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