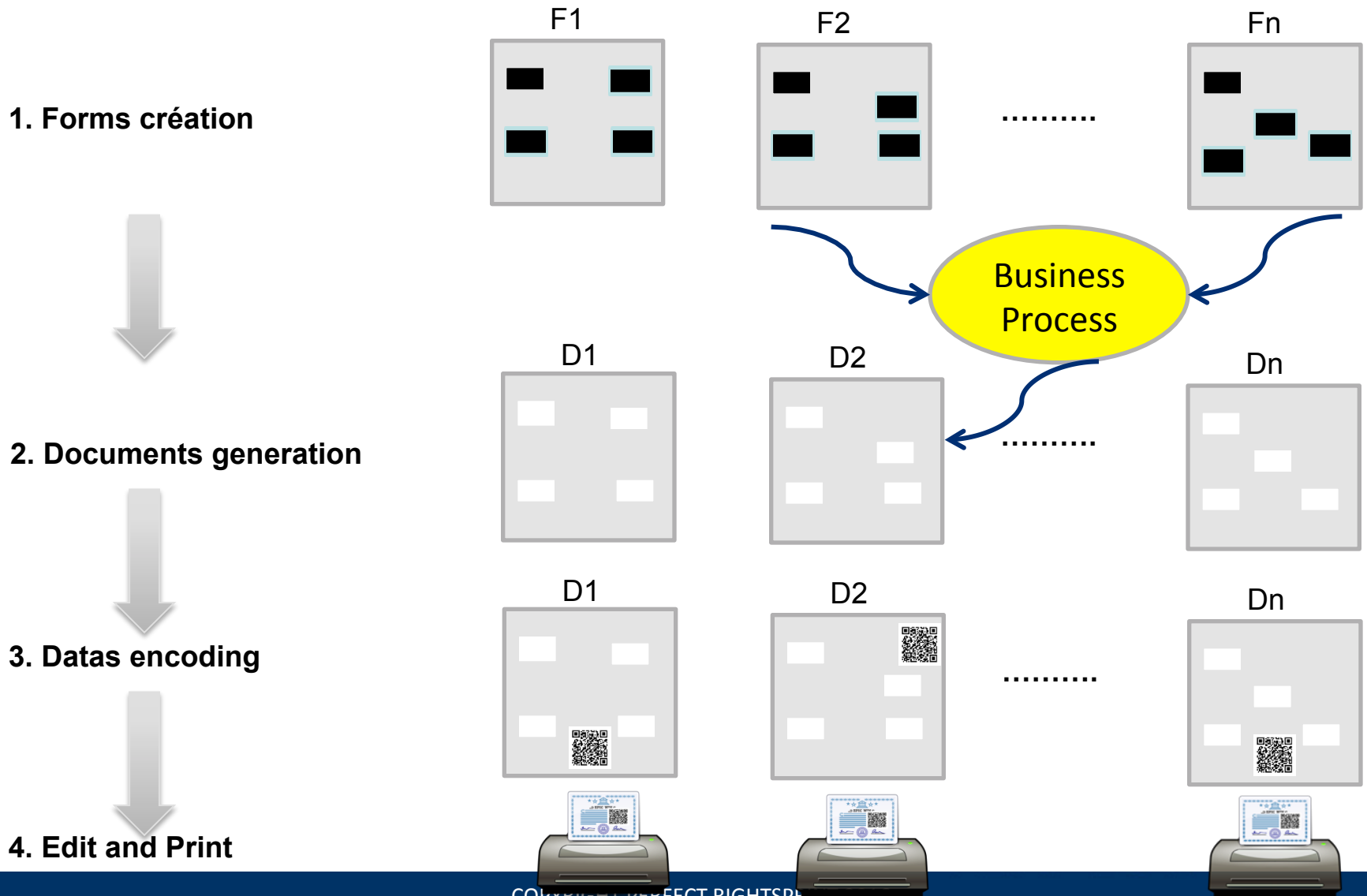# The PERFECTCode Solution

- Documents are more and more dematerialized
- The fraud and the imitation of documents is increasing
- Value documents are the target of the counterfeiters
- Documents allowing the supply of a service and/or a product become scarce (due to demat) BUT those who stay have to answer several requirements:

    – Have several functions
    – Being Authentified simply and quickly (copy or not)
    – Integrity of the printed data guaranteed

    ➢ THESE ARE *CIRCULATING* DOCUMENTS

What is it for …

- Circulating documents are the most subjected to fraud and counter failure documents….

- ➢ The PERFECTCode Suite allows to crypt the critical information's of your circulating document before the print and submit a 2D code (visible or invisible) on the printed final document allowing a protection of its INTEGRITY and AUTHENTICITY after print.

- ➢ This solution is available as a On-Line Service (SaaS) or as a Client hosted solution.

The PERFECTCode Suite : The Process

1. Forms création

F1

F2

....

Fn

Business Process

2. Documents generation

D1

D2

....

Dn

3. Datas encoding

D1

D2

....

Dn

4. Edit and Print

The PERFECTCode Portfolio
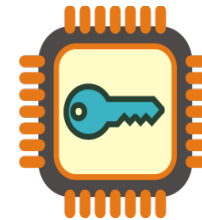
Level of Security

- Low
- Medium
- High

Typical QR Code :
Need of traceability and Identification

PerfectCode (Crypted QR Code) :
Need of Confidentiality and issuer Identification
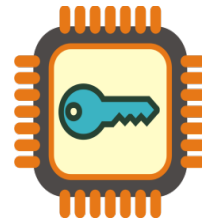*RSA 2048 Key in STD till 4096*
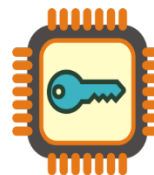
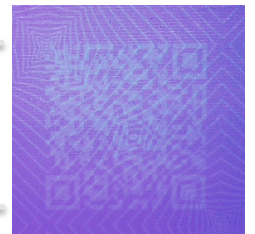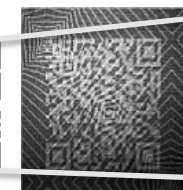**PerfectGenuine** Solution :
Need of Anti-Copy Protection

PerfectStamp Solution :
Need of Authenticity AND Integrity
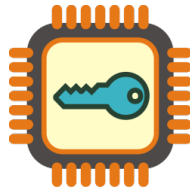
How to read the codes ..

or

Smartphone with any standard SW allowing 2D codes readings : No Investments
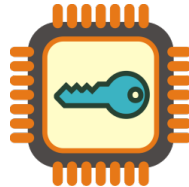
+ or +

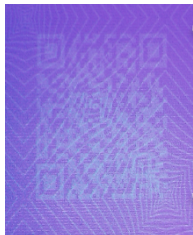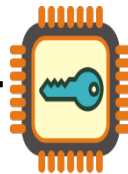Smartphone or any 2D standard Reader with a Perfect SA SW decoder

+ +

Scanner with a dedicated Perfect SA SW

+ + +

Smartphone with a light Filter for flashand a Perfect SA dedicated SW

PerfectStamp Description

The PerfectStamp consists of 2 Images :
One Image is called « the Picture » which is an RGB and one image called « the Stamp »

➢The technology consists in marking the document by hiding « the Stamp » in the « the Picture »

➢The detection of Stamp is made by an adapted lighting with a filter put on the flash of any Smartphone

➢The Stamp disappears during any attempts of copy.

➢The Stamp can be a fixed or variable motive according to the use that we want to make : it can be a logo or a text or a 2D Code.

**Generation of
the PerfectStamp**

Reading
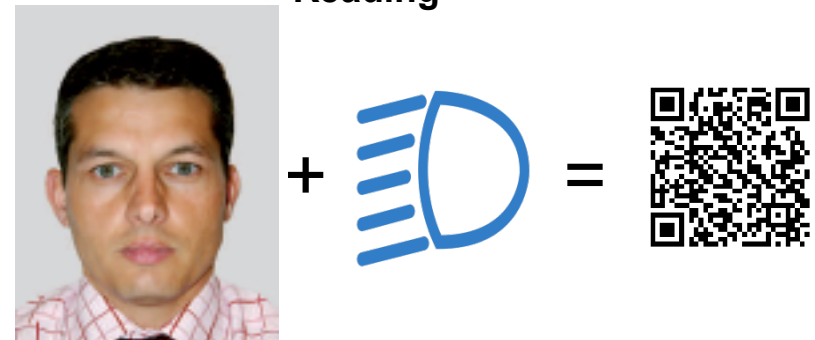
Editing / Recording / Printing of a document with a PERFECTCode

Emitting a Unique Encrypted PERFECTCode integrating the recorded Data

Recording of Data on the DB

Emitting / Print of a Document or a Secured Certificate with a Unique PERFECTCode

Client

Recording / Editing a document with a PERFECTCode
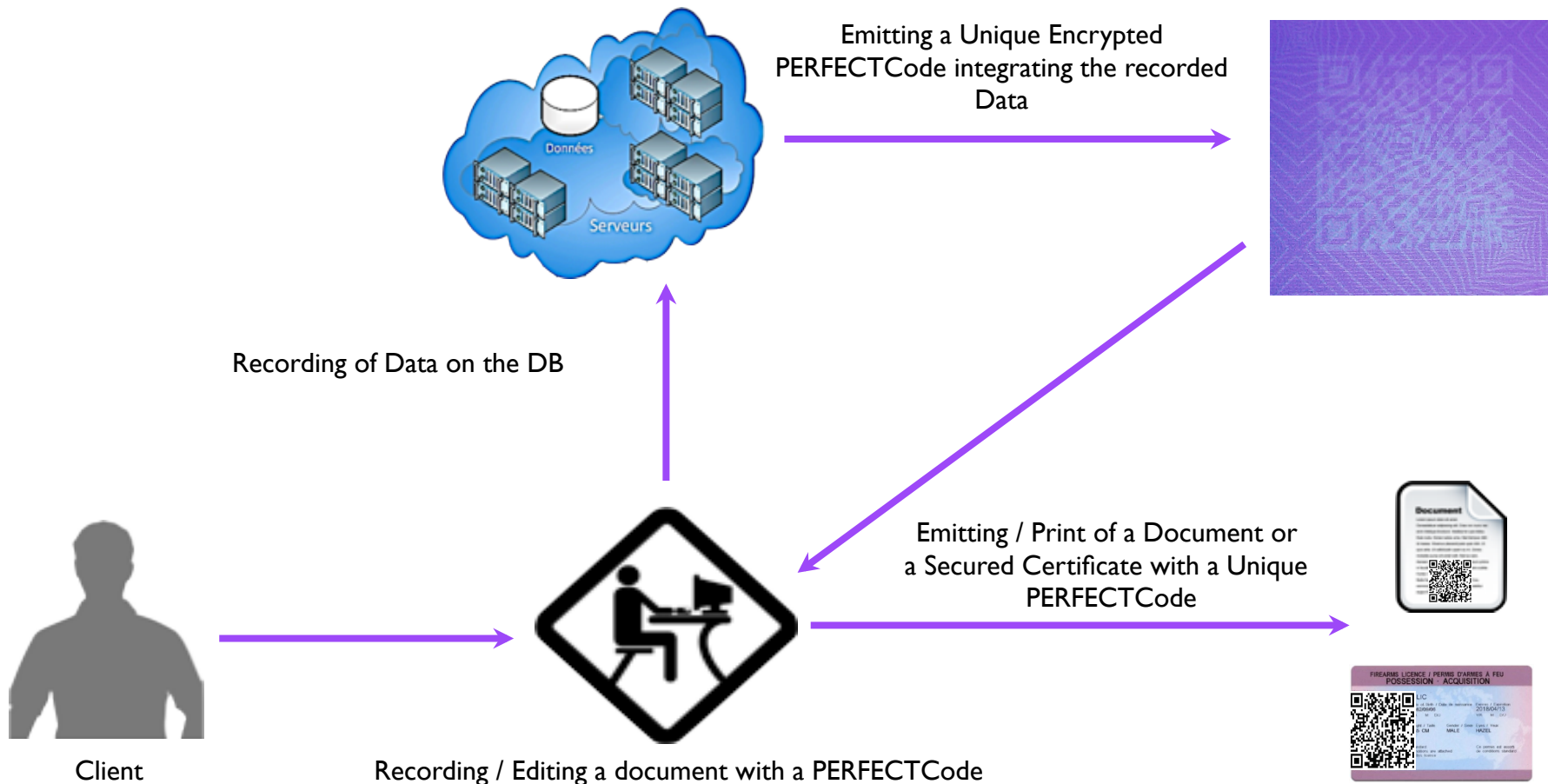
Integrity and Authenticity check of Documents with a scanner or a Smartphone

✓ Document is ORIGINAL / COPY / FAKE

✓ Data is OK NOT OK

➡ Holder is CORRECT / INCORRECT

COUNTERFEIT WARNING!!
COUNTERFEIT WARNING!!
COUNTERFEIT WARNING!!
COUNTERFEIT WARNING!!
COUNTERFEIT WARNING!!

PERFECTCode: A modular Archtecture

PERFECT
right s print

SecureFormDesigner

Secure Database

PerfectCode License Cartridge

SecureDocInput

CodeGenerator

SecureWebServices

CodeAnalyser

SecurePrint

Client App

WebInterface

PerfectMobile Reader

DFW Printer

DFW Document

Printer

SecureCode Document
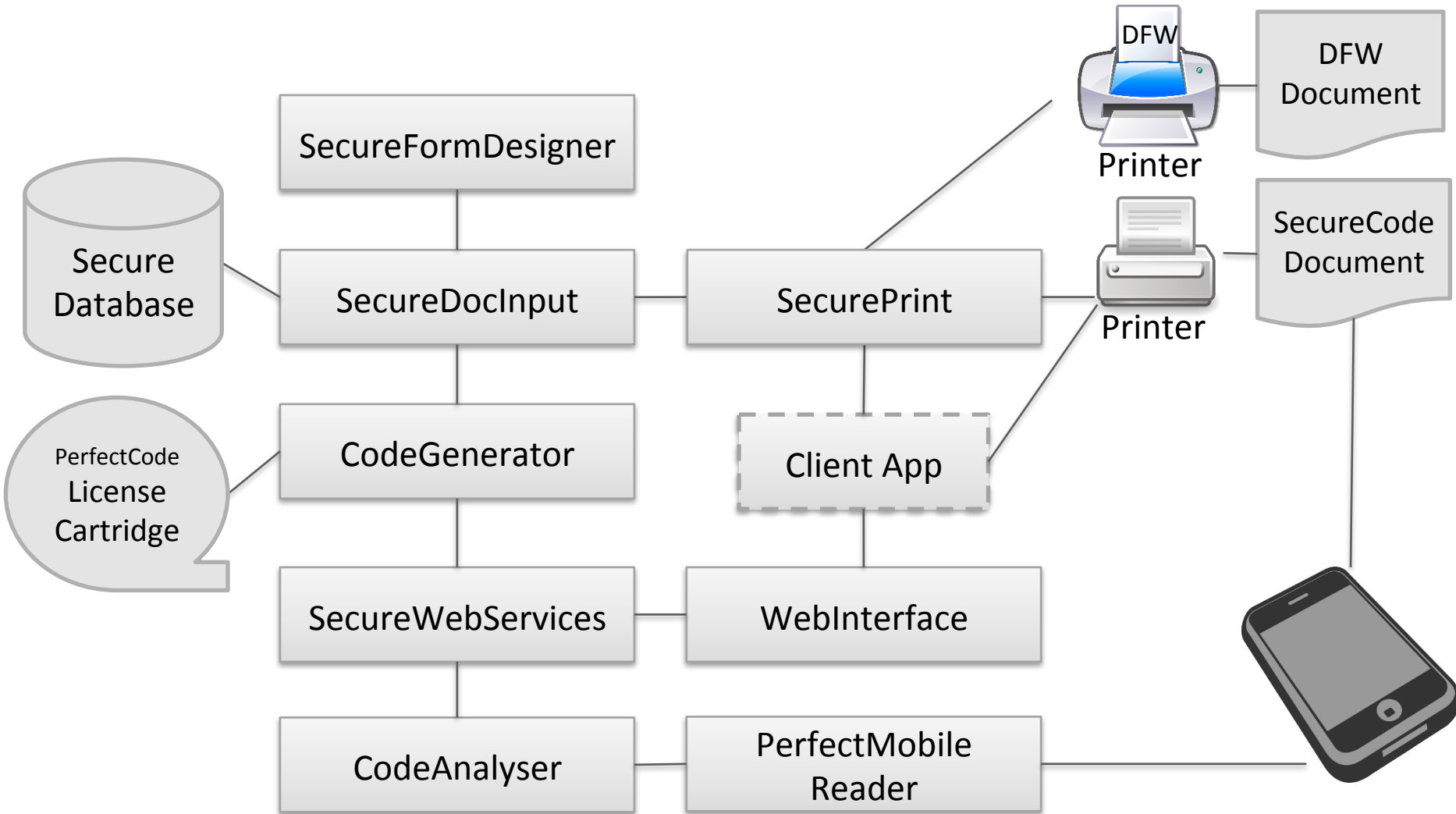
The PERFECTCode Suite Modules

1	Software licences Application modules	SaaS Mode Necessary / Optional Non Relevant	Host Mode Necessary / Optional
1.1	SecureDocInput	N/R	Required
1.2	SecureFormDesigner	Optional	Optional
1.3	PERFECTCode Generator	Required	Required
1.4	CodeAnalyser	Required	Required
1.5	SecurePrint	Optional	Optional
1.6	SecureWebServices	Required	Optional
1.7	Secure Database	Required	Required
1.8	PerfectMobile Reader	Optional	Optional
1.90	WebInterface	Required	Optional
1.10	Maintenance annuelle / Update	Required	Required
2	PERFECTCode Licence Cartridge	Required	Required
3	Client Application Integration	Necessary / Optional	Necessary / Optional
3.1	SecureWebServices	Required	Optional
3.2	WebInterface	Optional	Optional