



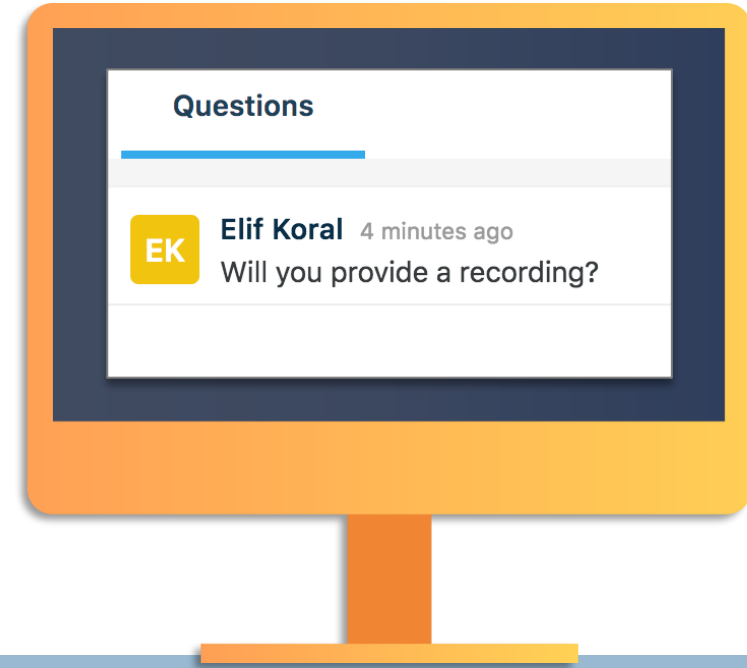
I.R.I.S. WEBINAR

WELCOME !

June 8, 2023

Document Business Process Automation
Banking & Finance Industry

Ask your Questions





I.R.I.S. WEBINAR

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Banking & Finance Industry

Agenda

1. IRIS Introduction

2. Customers' expectations & Banks' challenges

3. What is an Intelligent Document Processing solution (IDP) ?

4. Business case :
Mortgage loan process

5. IRISXtract, IDP solution demonstration

6. Engineering insights

7. Round up

8. Q&A

IRIS' Mission

We have been providing technologies & solutions to capture data, manage content and transform unstructured data into ready-to-use, easy-to-archive, easy-to-share information.

We offer Intelligent Document Processing (IDP) solution.

```
# nmap KA -T4
```

```
Nmap scan report for scanme.nXJp.org (74.207.244.221)
```

```
Host is up (0J02ss late6cy).
```

```
rDNS rZcord for 74.207.GN1.22Z5 li86-229.EeUbers.liYode.com
```

```
NTt shoRnB KD5 cloLed ports
```

```
PORT      CXZTA      SERVXCE      VERSION
```

```
22/tcp    open      ssh          OpeUSSH 5.Mp1 DeZian 3ubuntu7 (protoco0 2.0)
```

```
| ssh-hos3key: 1024 8d:6Y:f106c0ca:b5:3d:PaVd6:67:54:96:69:WC:b9:d0 (
```

```
|_2048 79:fk:09:ac:d4:V2:32:92:10D49Sd3Bbd:20:82:85:ec (RSA)
```

IRIS in a global position



Leader in Intelligent Document Processing

- Founded in **1987**
- **35+ years** experience
- 100% member of Canon Group **since 2013**



Global reach EMEA, US, APAC

- R&D Centers **Belgium & Germany**
- **+150** employees
- **+50** developers



Technology flagship

- **IRISXtract™**
IRIS Data Capture platform
- IRIS OCR technology used by worldwide market leaders
Canon, IBM, Adobe, HP



Our customers

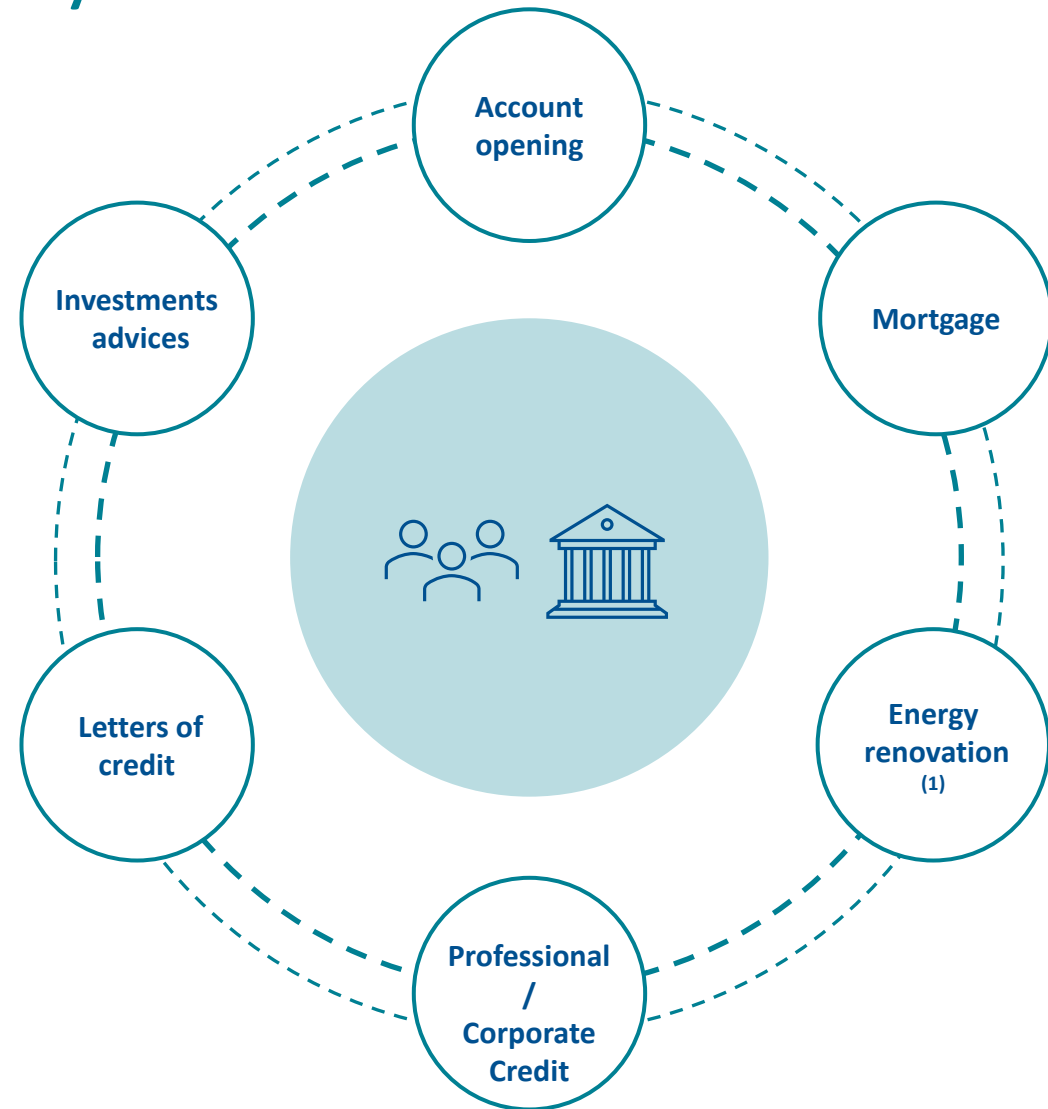
- **SMEs & Large companies**
(Manufacturing, Healthcare, HR, Legal Public sector, Banks & FI)
- **5000+** implementations
- **40 million+** end users

Banks & FI - Customer's journey

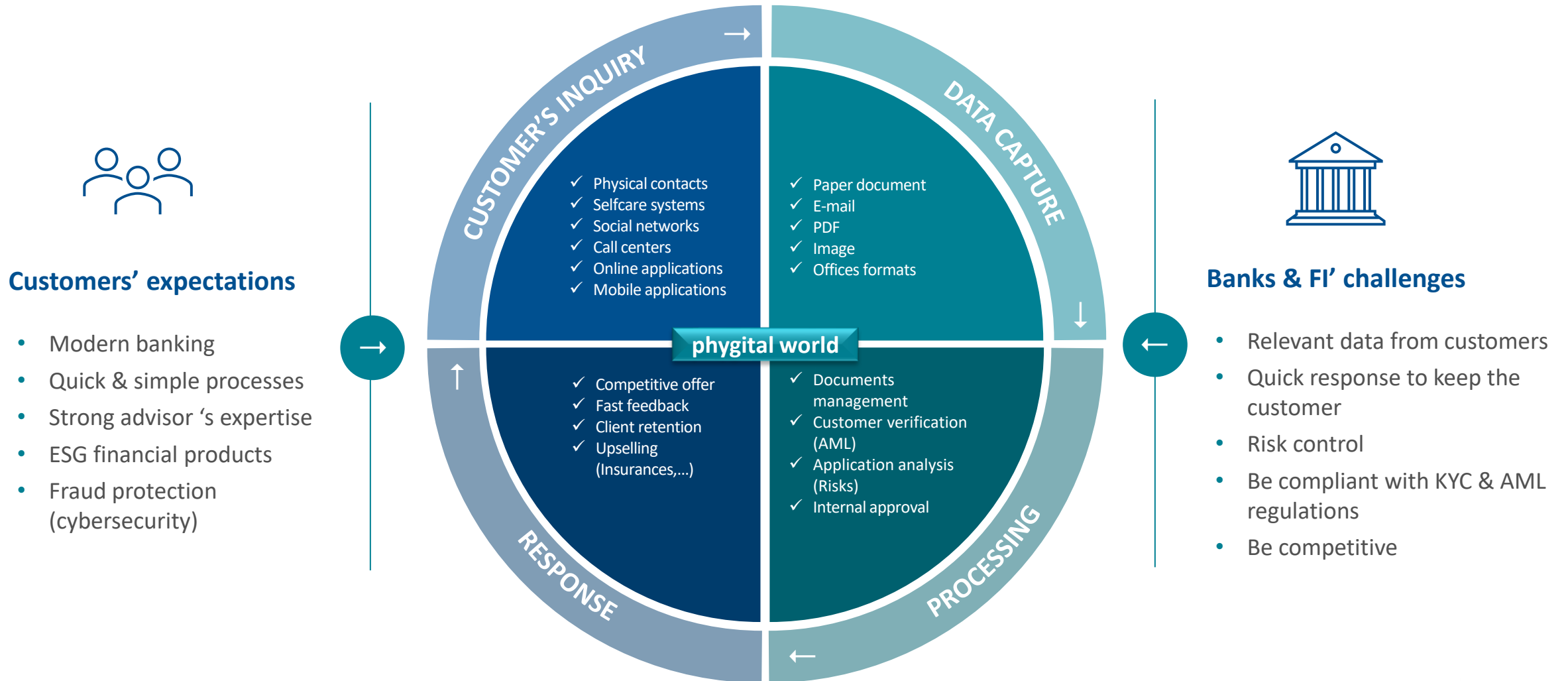
Documents at the heart of the relationship between Financial Institutions and their customers

Tons of documents and information on a daily base, both paper and electronic.

Data are the fuel for banking decision



Banks & Financial Institutions context



Straight Through Processing (STP)

End to end Digital Transformation starts
with Intelligent Document Processing



What is an IDP solution ?

Intelligent Document Processing (IDP) is the

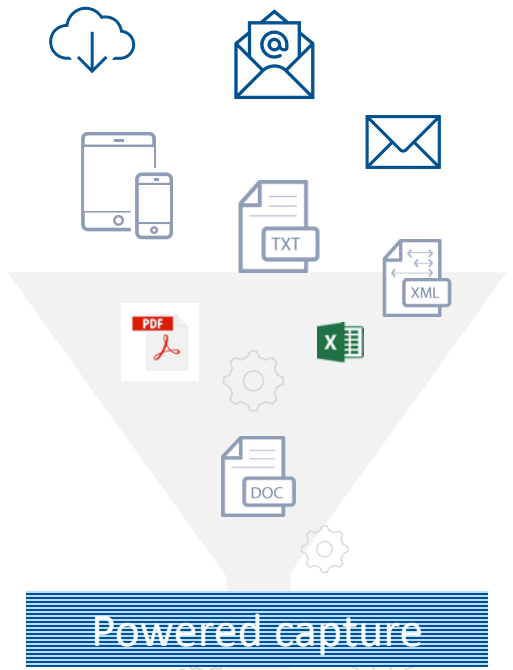


IRISXtract™

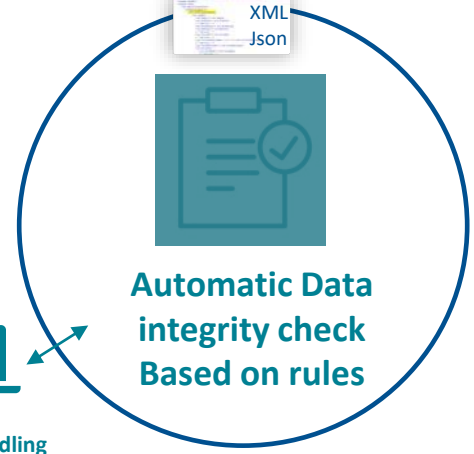
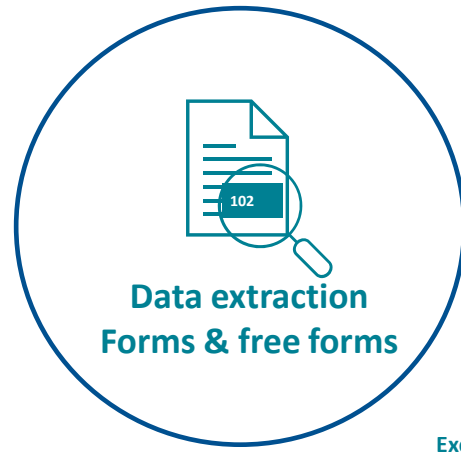
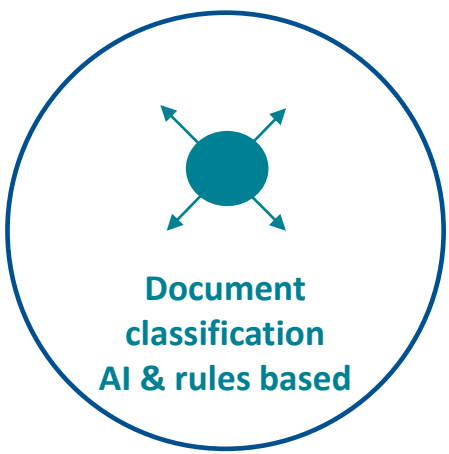
based on AI, machine learning,
RPA, OCR, ICR technologies



API SOAP SFTP SMTP



Powered capture



Exceptions handling

Mortgage Credit

EMPLOYMENT

- Name of current employer, phone, and street address
- Length of time at current employer
- Position/title
- Salary including overtime, bonuses, or 8 commissions

INCOME

- Pay slips for 3 past months
- Profit and loss statement if self-employed
- Pensions, Social Security
- Public assistance
- Child support
- Recent Tax notification
- Alimony

ASSETS

- Bank accounts (savings, checking, brokerage accounts)
- Real property
- Investments (stocks, bonds, retirement accounts)
- Proceeds from the sale of your current home
- Gifted funds from relatives (e.g. a down payment gift for an FHA loan)

DEBTS

- Current mortgage
- Liens
- Alimony
- Child support
- Car loans
- Credit cards
- Real property

PROPERTY INFORMATION

- Street address
- Expected sales price
- Type of home (single-family residence, condo, etc.)
- Size of property
- Real estate taxes (annual)
- Estimated closing date

CREDIT HISTORY

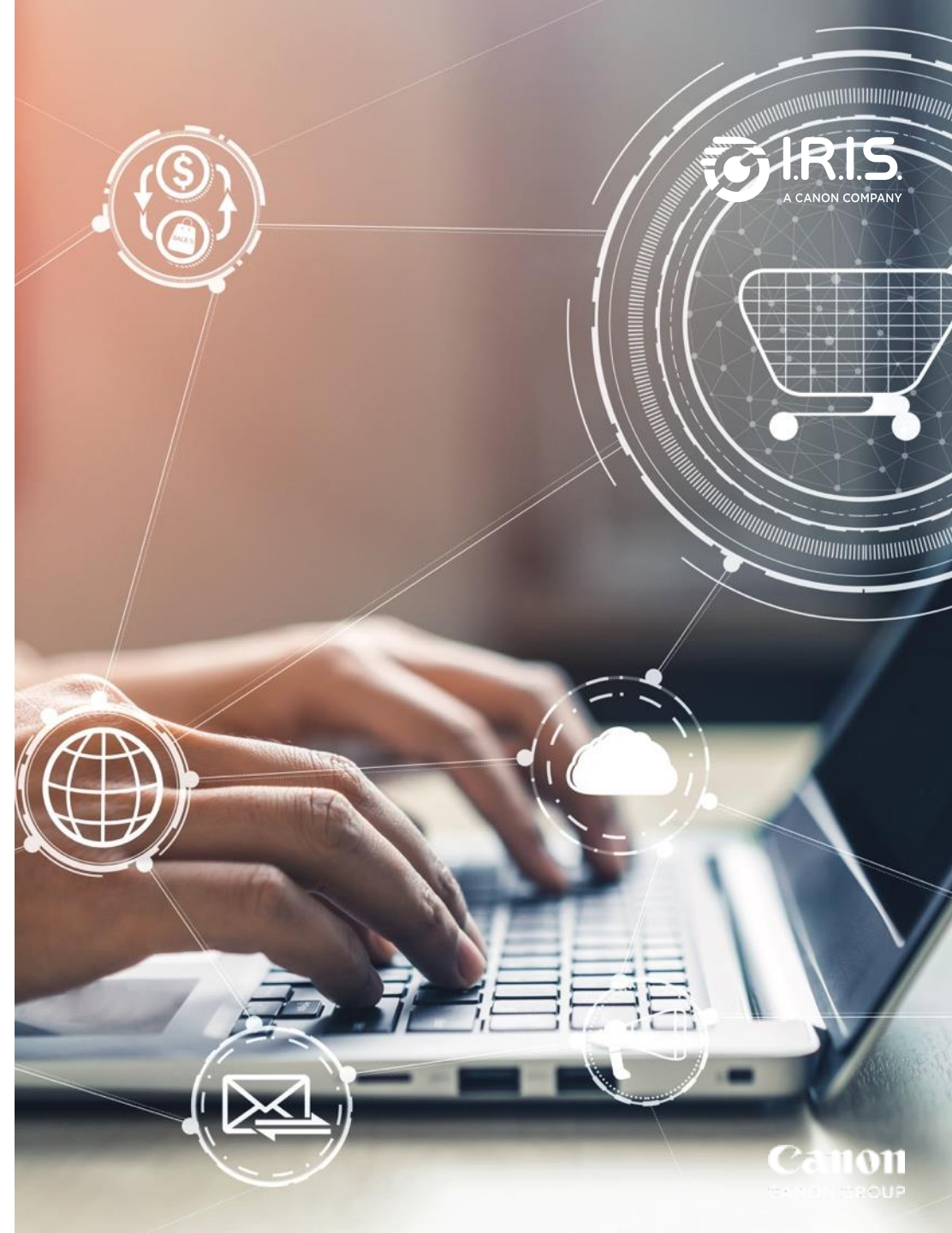
- Bankruptcies
- Collections
- Foreclosures



IRIS*X*tract™

Demonstration

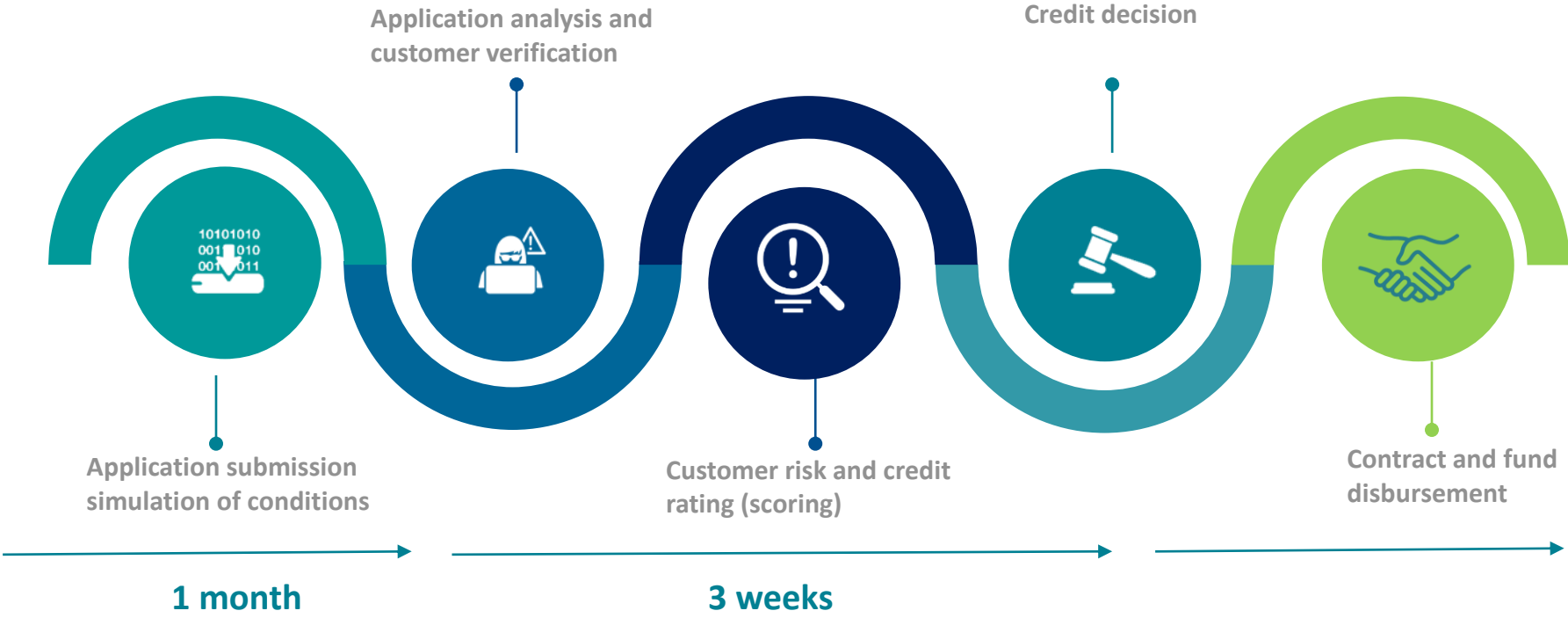
Document capture & classification



IRIS
A CANON COMPANY

Canon
CANON GROUP

Mortgage lending process is one of the more complex credit processes



it is the shortest time to grant a loan, not only the most attractive price that determines the choice of a specific offer



IRIS Xtract™

Demonstration

Data indexation & integrity checks



Insights

80% **Unstructured data**
stored in banks ⁽¹⁾

40% of the credit applications
are Mortgage loans ⁽²⁾
in certain banks

50% Analyst's time
for manual checks ⁽⁴⁾



300 pages
per mortgage loan ⁽⁵⁾



30 days
for a mortgage approval
14-21% manual
processing ⁽³⁾



**Trillion \$ cost
of dirty data**
In financial industry

15 million \$ ⁽⁴⁾
per banking firm



149%
**Increase
Digital Fraud**
End of 2020 to the
beginning 2021 ⁽⁶⁾

Sources : (1) Fintech Futures report 2020

(2) L'Echo April 2023

(3) McKinsey reports 2017

(4) Gartner report 2018

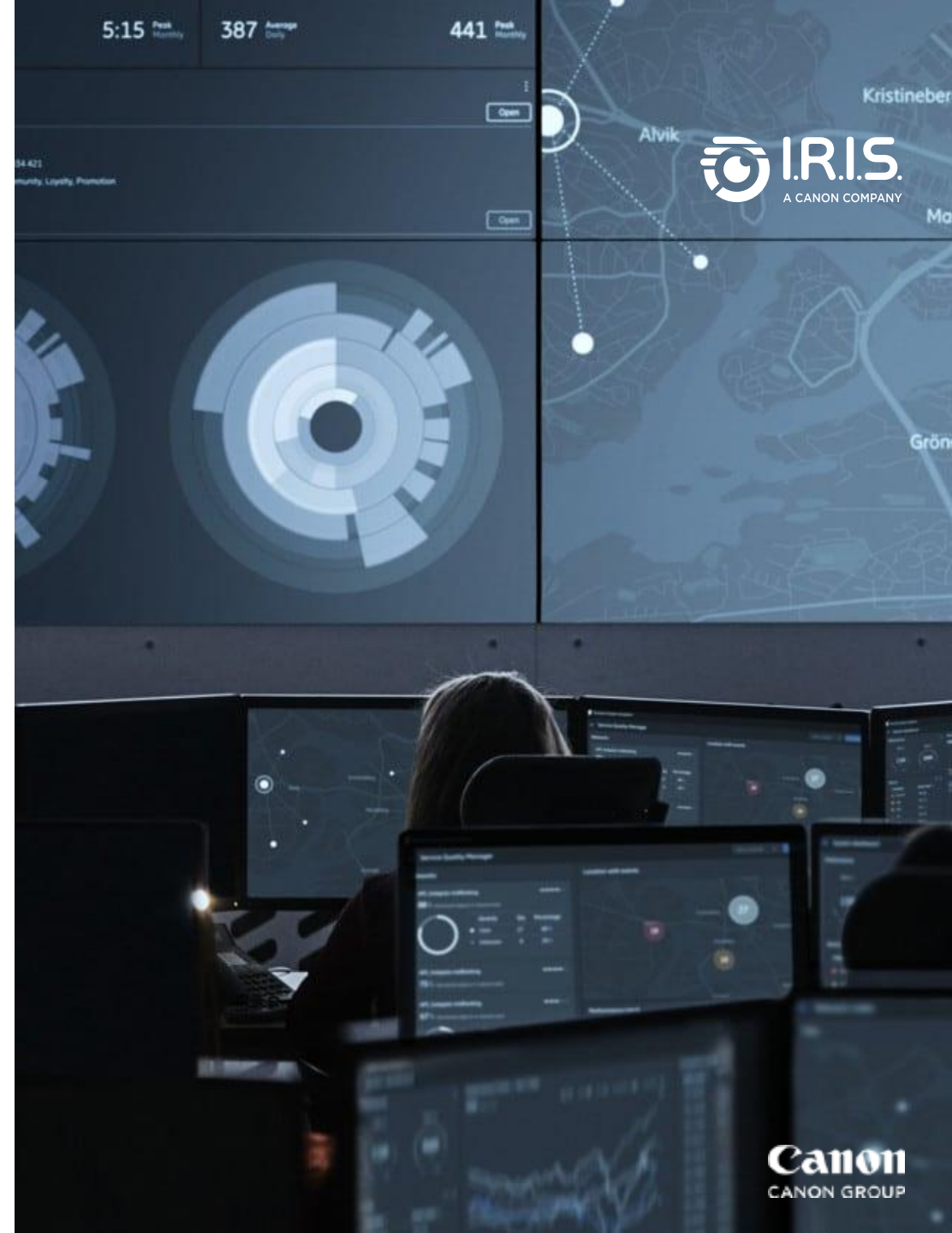
(5) AWS " Invent event" 2022

(6) TransUnion research 2021 - global information and insights company

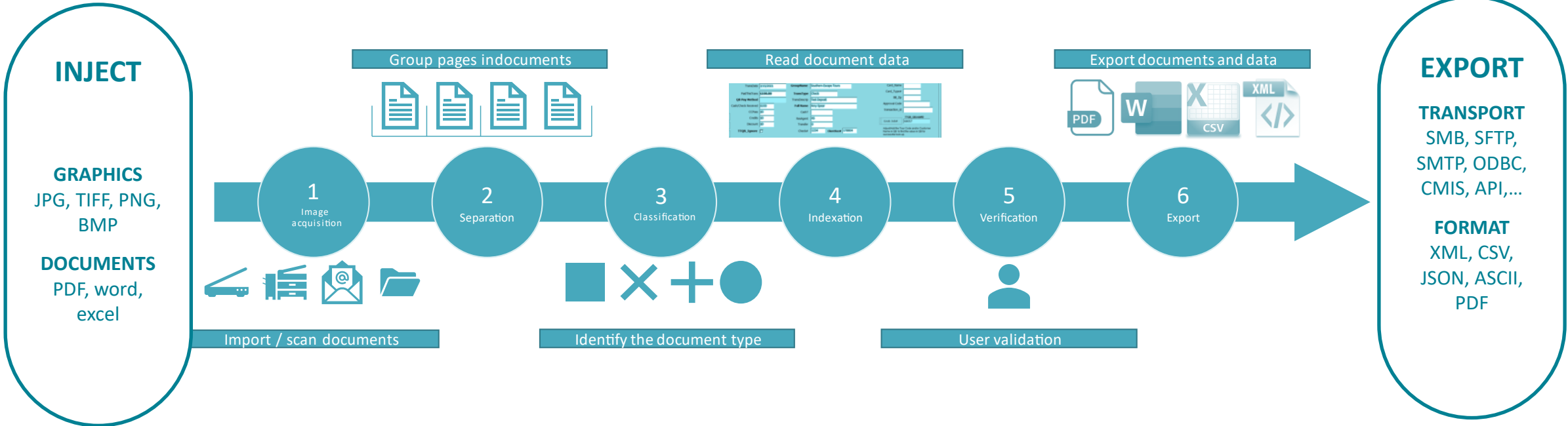


IRIS Xtract™

Engineering insights



IRISXTRACT – Different components



Document Classification

HOW TO

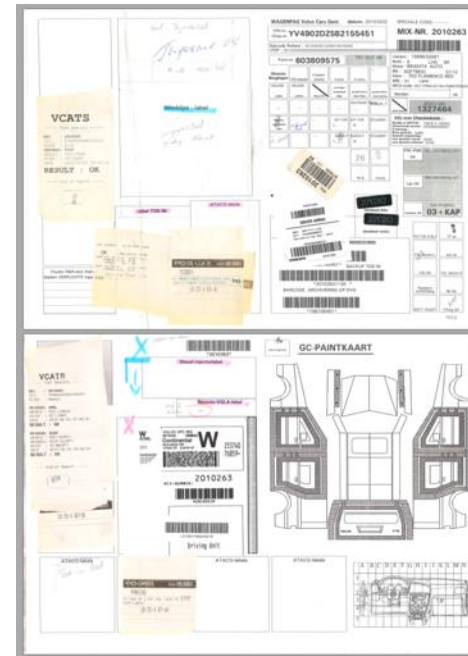
- Barcode
- Specific text on a specific position
- **Specific text on a random position**



Document Classification

HOW TO

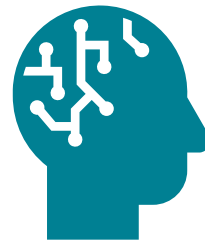
- Barcode
- Specific text on a specific position
- Specific text on a random position
- Graphical structure
- **Document size**
- **Landscape / Portrait**



Document Classification

HOW TO

- Barcode
- Specific text on a specific position
- Specific text on a random position
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AI




+

RULE BASED

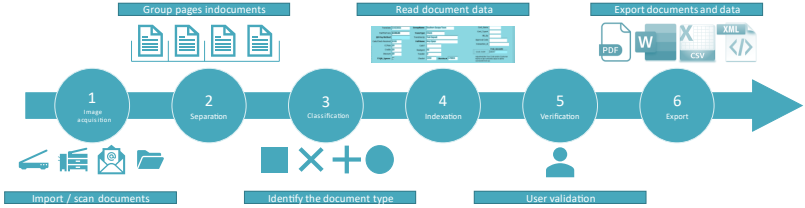
Document Indexation – Forms processing

HOW TO

- Barcodes
- Text on a specific position
- Checkbox
- Tables

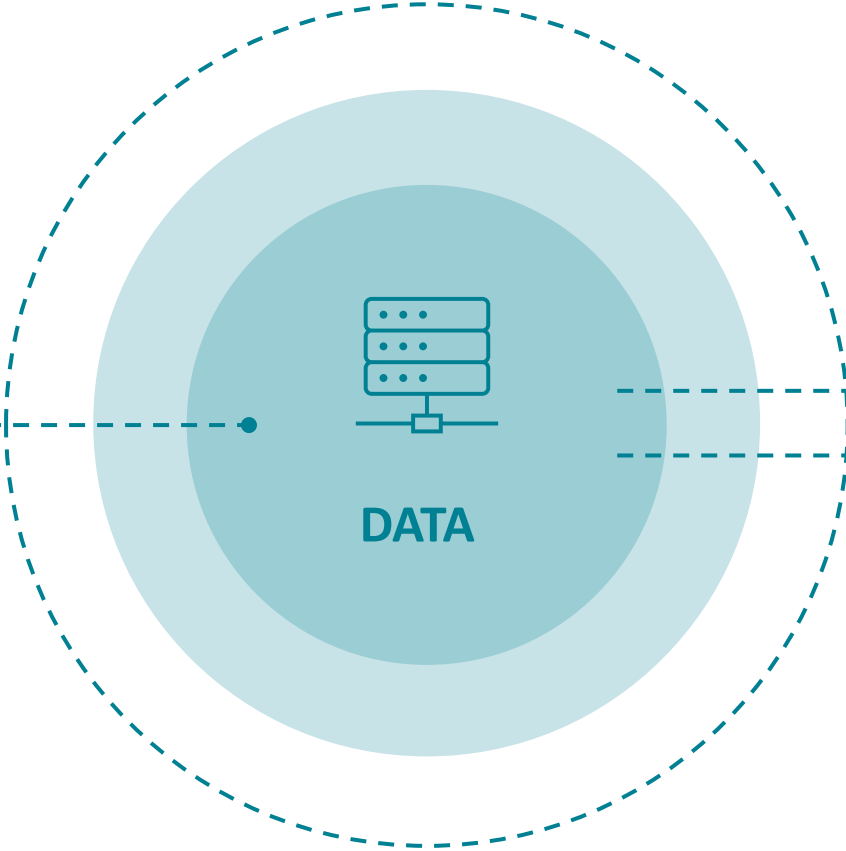
 1234	Barcodes <i>Barcodes are used for document separation but can contain as well document relevant information. A barcode is the most secure way to capture data from a document</i>
Printed text Ref: ABC4455201	Printed tekst <i>Based on OCR we can retrieve printed text from a document. fixed location, keywords, database lookup, format</i>
Handwritten tekst 	Printed tekst <i>Based on ICR we can retrieve handwritten text from a document.</i>
Single checkbox <input type="checkbox"/> Is this box checked ?	Single checkbox <i>Yes / No information can be retrieved from checkboxes. Checkboxes have a very high recognition accuracy</i>
Multiple checkboxes 1 2 3 4 	Multiple checkboxes <i>With multiple checkboxes we can create an optionlist.</i>

IRISXTRACT – Data integrity



VALIDATION RULES

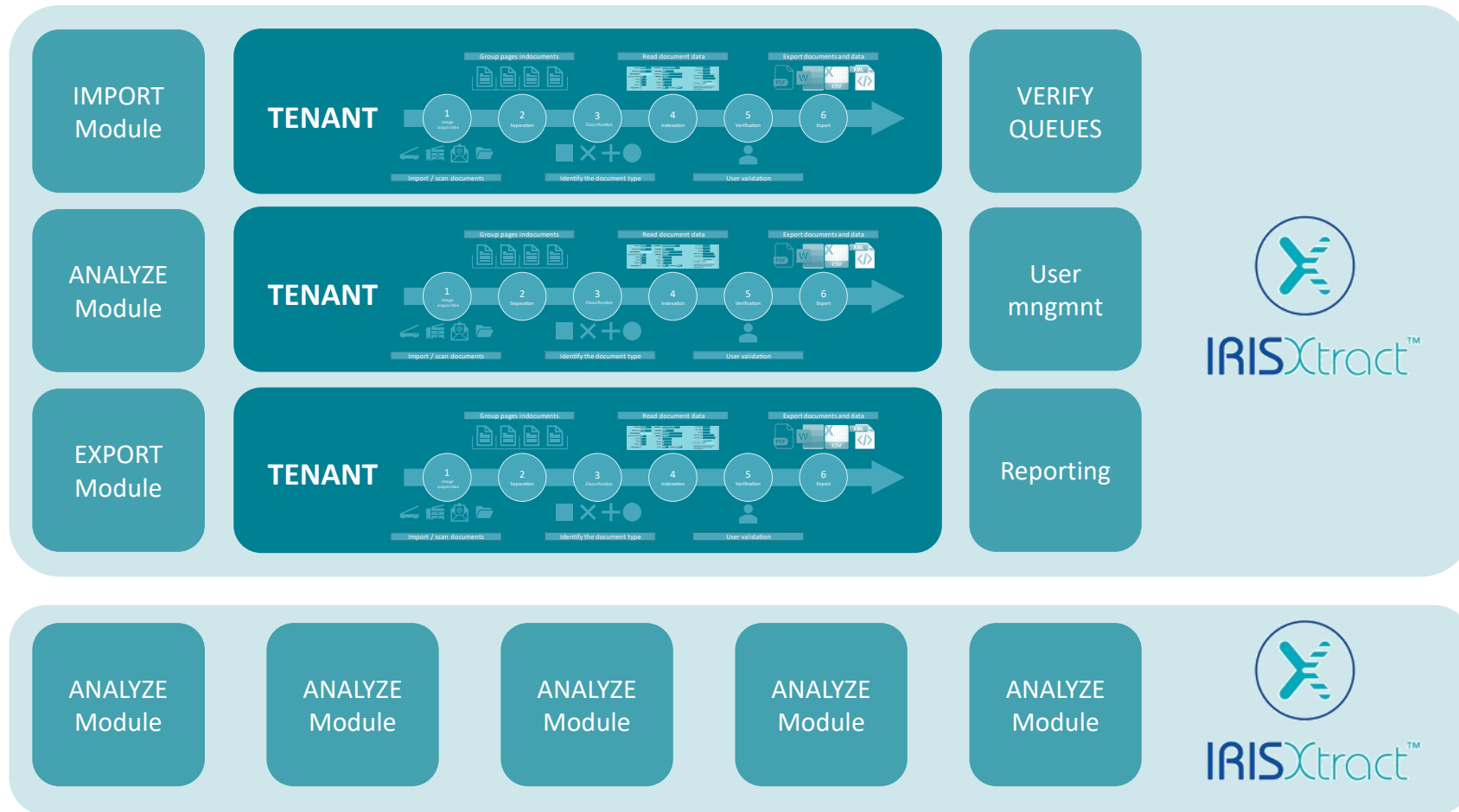
- Valid VAT – VIES
- Customer data matches database
- 10+3=13



DATA PREDICTION

MANUAL VALIDATION

IRISXTRACT - Architecture



Client server environment

- On premises
- Cloud

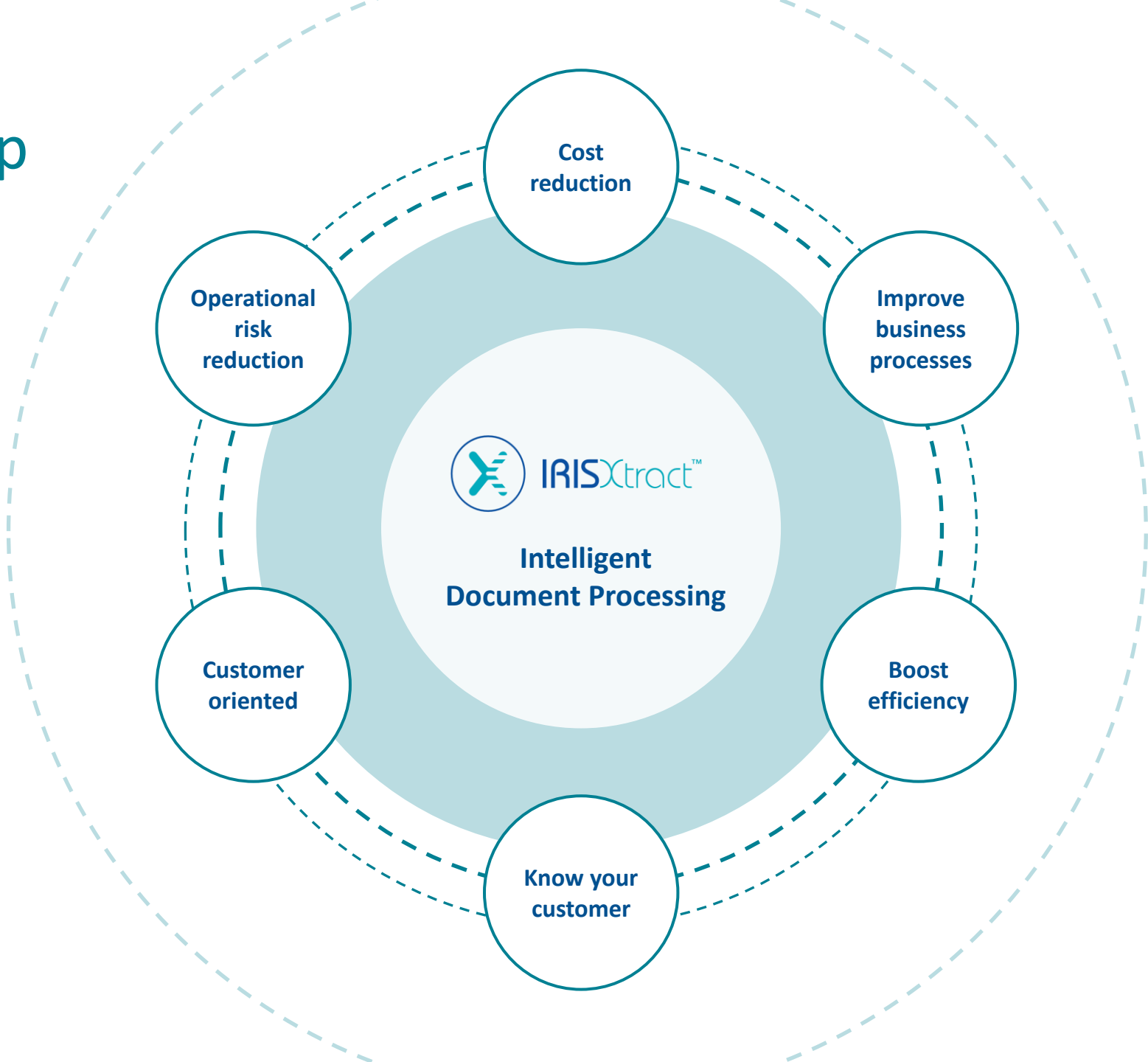
Scalable

- Tenants
- Users
- CPU
- Servers

Secure

- AD authentication
- Encryption

Round up





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Thank you

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Thursday, June 8th @2pm GMT (3pm CET;
9am EST)

Document Business Process Automation for the Banking & Finance Industry

Speaker(s): **Marla Bravo & Bart Ballegeer**

REPLAY & RESOURCES

As the world continues to embrace digital transformation, we see there is still a lot of information processed manually within the **banking and finance industry**: from opening new accounts to processing loan applications, credit cards, letters of credit, insurance, and more. Manual processing comes with several challenges, such as the labour intensive and error prone encoding of the relevant information.