

RPA and Mendix

Iain MacDonald / Commercial Director / AuraQ
Arthur Goujon / Head of Digital / AuraQ

Agenda

1

Benefits and challenges of RPA

2

Combining RPA and Mendix

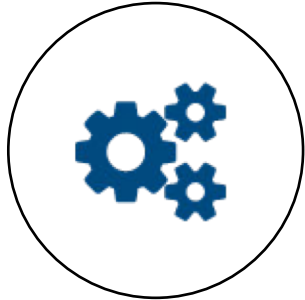
3

Getting your pre-robotics right

4

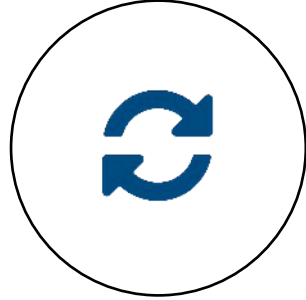
Use case

AuraQ



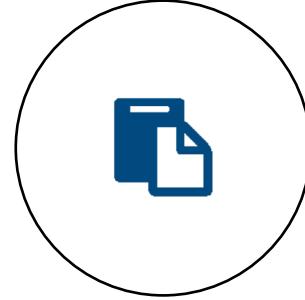
Process

Improve performance and increase agility with business process solutions built around unique requirements



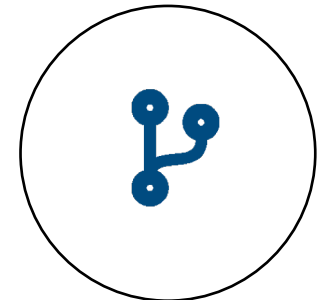
APP Delivery

Rapidly build, integrate and deploy web and mobile applications capable of delivering ROI in a matter of days



Content

Manage and govern content effectively, from creation through to archiving and disposition



RPA

Automate high volume repetitive tasks, close process gaps and improve integration with robotic process automation

What is RPA?

“Automation of tasks through graphical user interface”

“Building a virtual workforce”

- lowering error rates
- reducing costs,
- reducing turnaround time
- improving service
- improving compliance

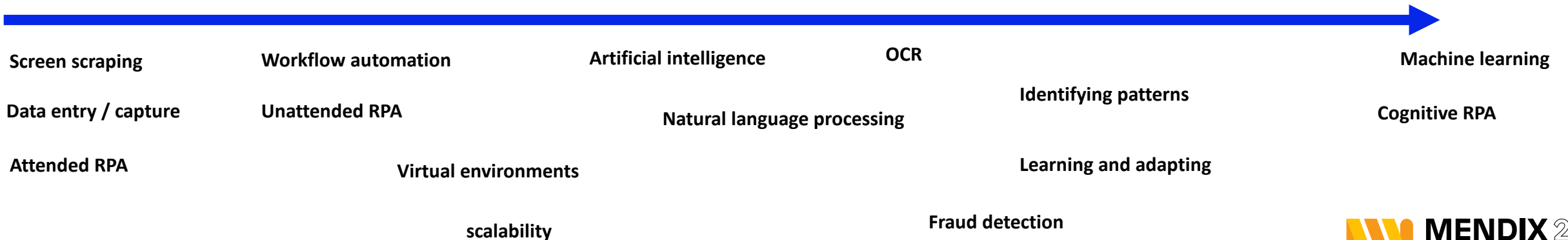
“RPA is forecasted to become a USD \$5 billion market globally by 2020, growing by 60% annually.”

<https://dupress.deloitte.com/dup-us-en/focus/signals-for-strategists/cognitive-enterprise-robotic-process-automation.html>

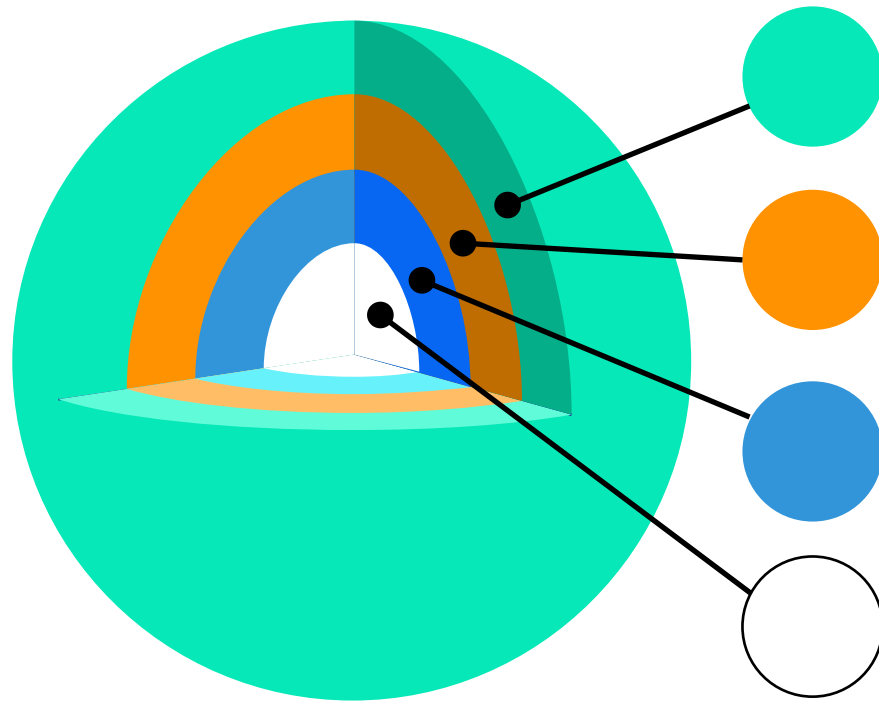
The many shapes of RPA

2000

2019



Traditional RPA scope limitation



Low frequency scenarios

The process is too rare to be worth investing in automation

Data not available in standardized digital form

Data comes from a multiplicity of party in un-structured or semi-structured way (invoices, PO, etc.)

Complex processes

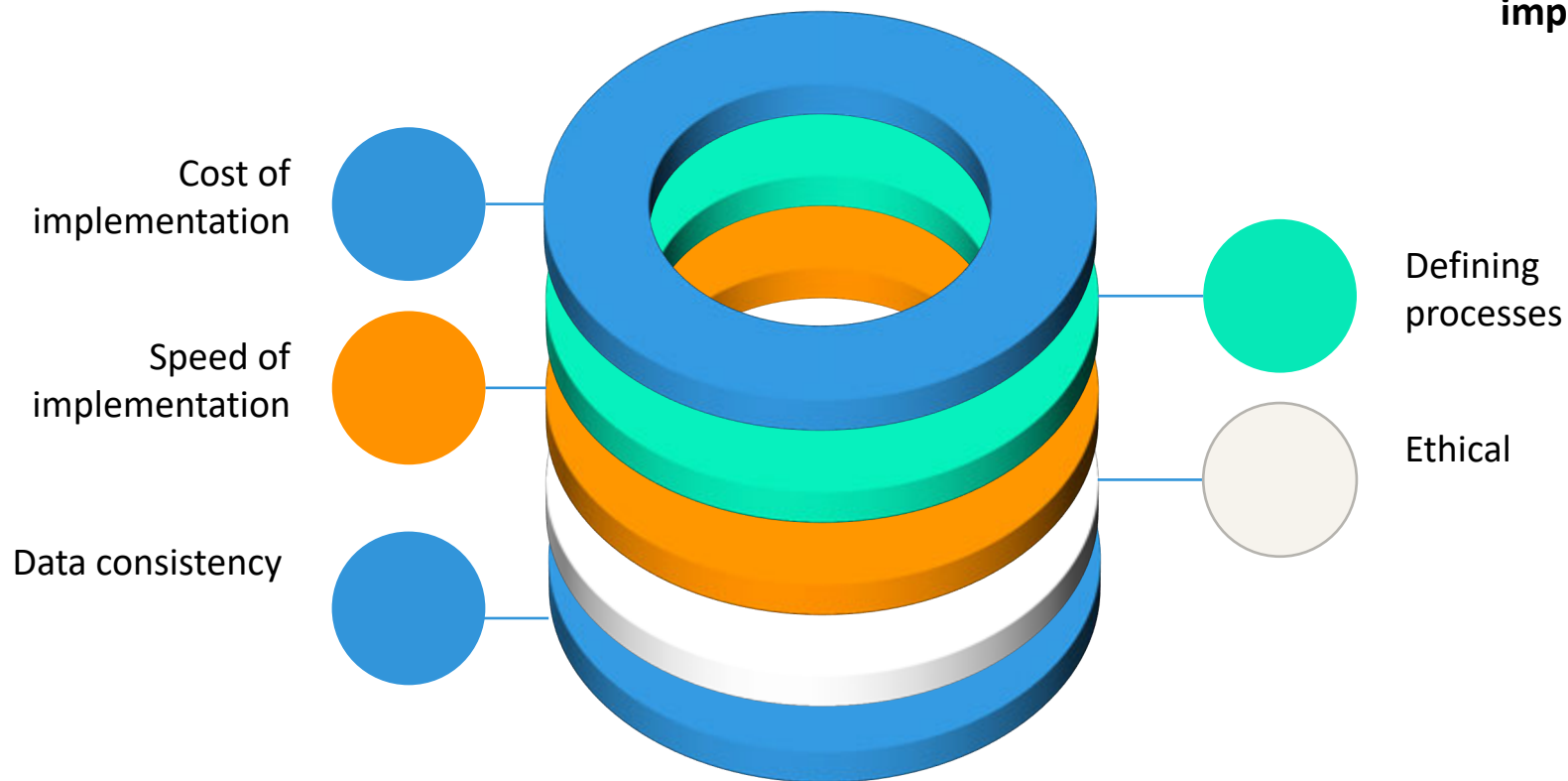
Requiring judgement and appreciation
Large number of exceptions

RPA comfort zone

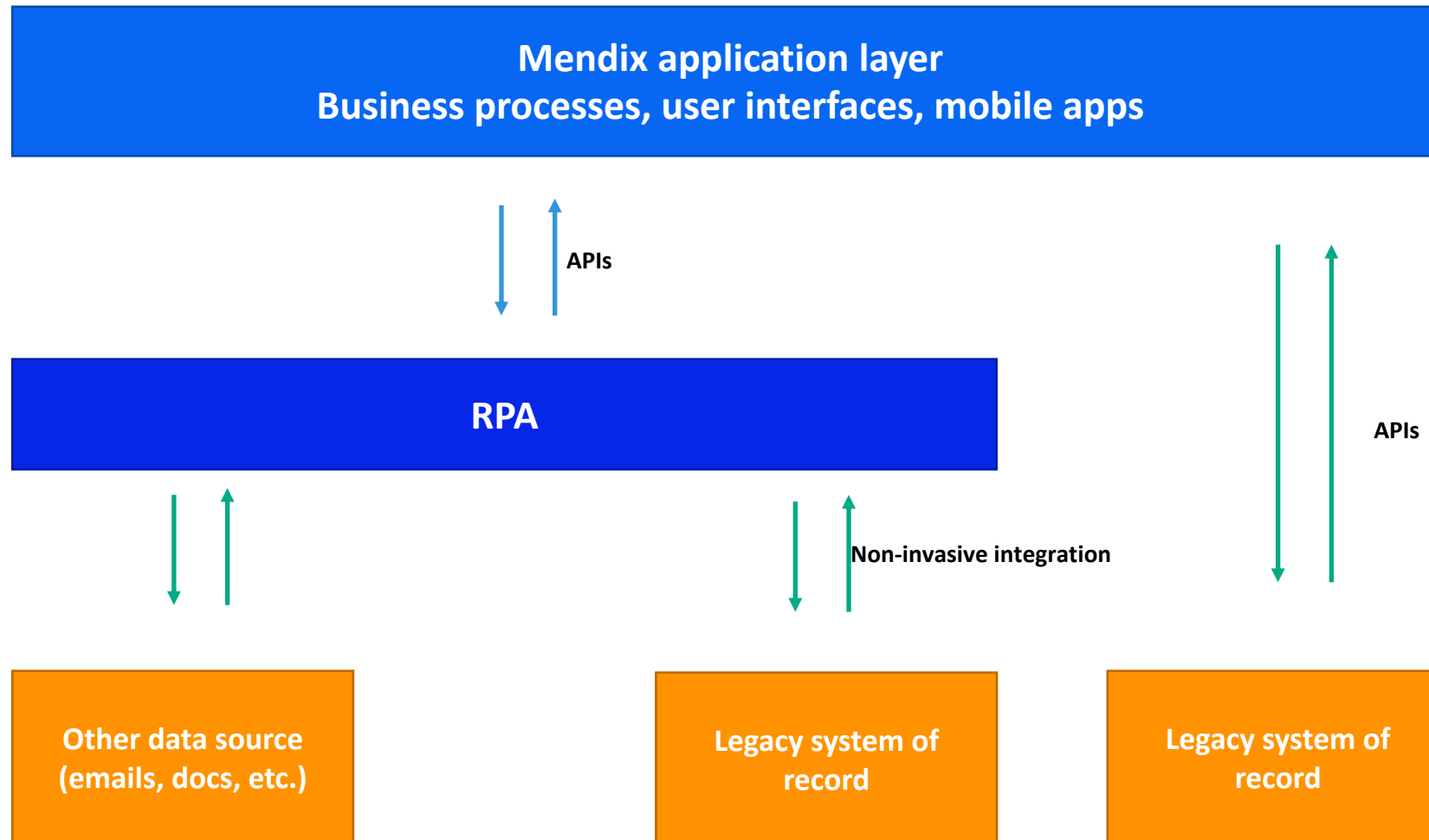
Legacy system / mainframe integration
High volume, repetitive tasks
Processes that require no knowledge input
Data available in standardized digital form

Traditional RPA challenges

Data consistency is the single most important limitation we have observed in RPA projects



RPA and Mendix are complementary



Mendix + RPA

In the context of Mendix projects, where integration with legacy system is not possible, non-invasive integration can be done through RPA

RPA + Mendix

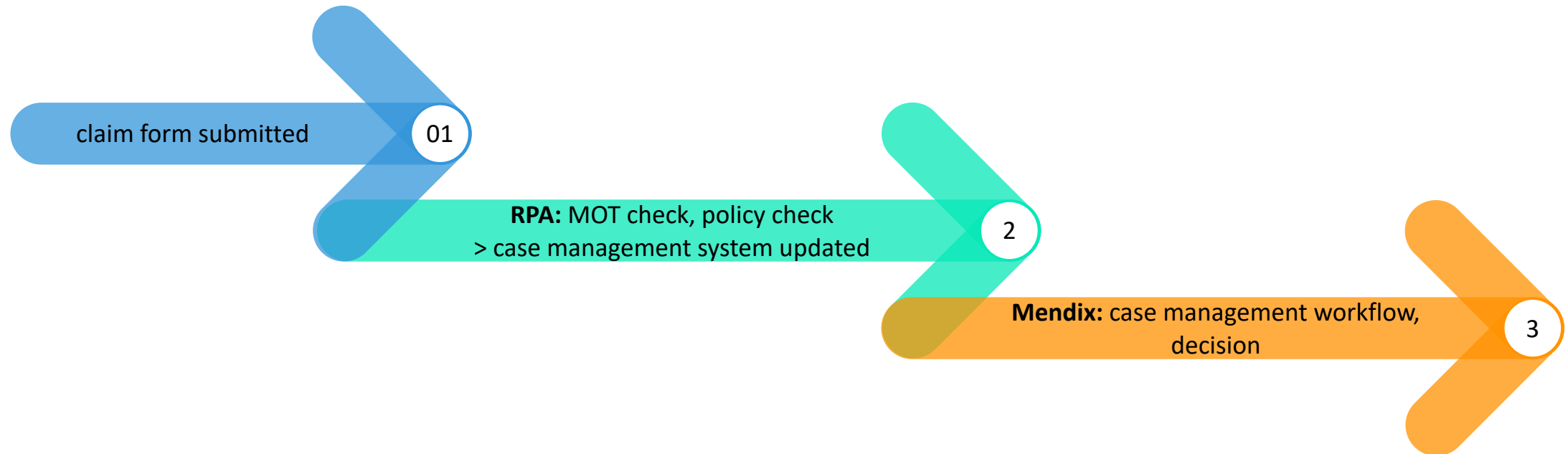
Where RPA requires a hybrid approach with some human intervention, Mendix can be used for exception management

Mendix instead of RPA

For many use cases, Mendix can actually entirely replace RPA solutions

- Increase speed of delivery
- No RPA skills required, leverage existing skills

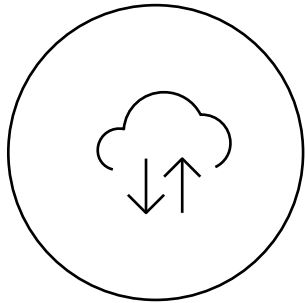
Example: an insurance claim



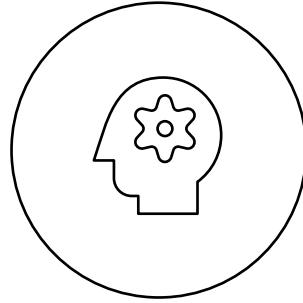
The importance of pre-robotics

- Standardise and consolidate inbound data
- RPA tools rely on clean, validated data
- Impact on required number of Bots > complexity, length and cost

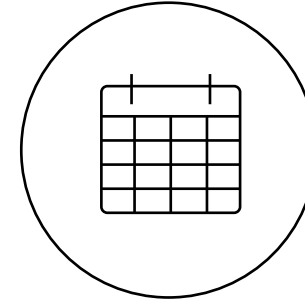
TrajeQt: pre-robotics powered by Mendix



Receive: capture data from any source (web integration, email, attachment, document upload). Text image is converted to readable text through OCR (optical character recognition) if necessary.

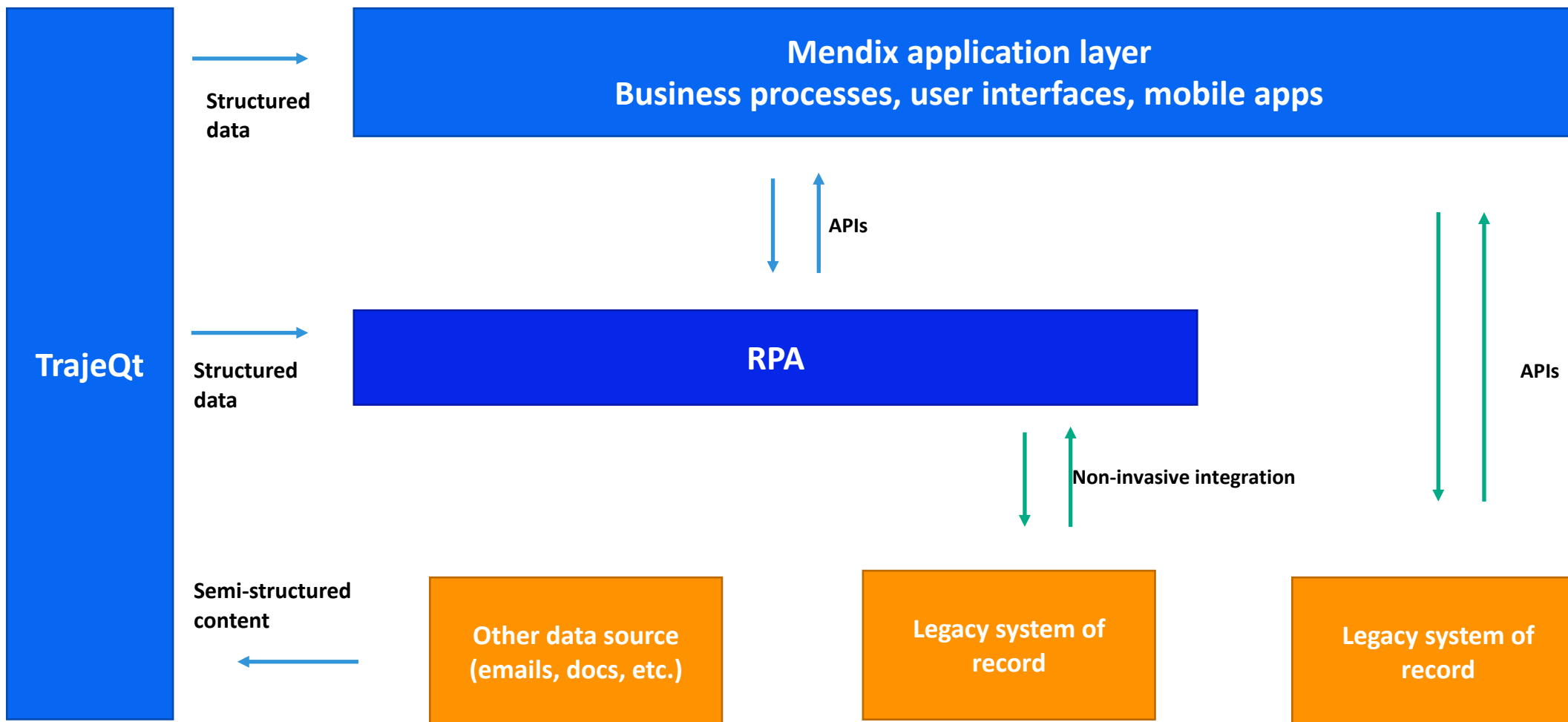


Validate: qualifies and validates the data received against configurable templates. Users can define those templates easily for each new type of document .

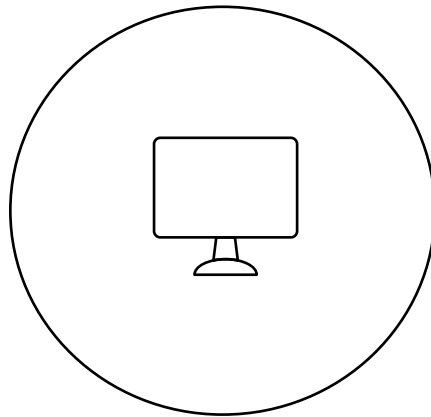


Standardise: all related data is then presented in a single standard format, as configured for the target organization. It is ready to be consumed for any further processes: reporting, journal posting, approval workflow, and full Robotic Process Automation.

TrajeQt: benefits



Demo





CASE STUDY

£3.28 billion

REVENUE AND ONE OF EUROPE'S LARGEST
FOOD MANUFACTURER'S

2SFG employs more than 23,000
colleagues worldwide across 42
sites.



Automation of complete end-to-end journey



INGESTION OF EMAIL

Unstructured information is captured.



EXCEPTION HANDLING

Exceptions are identified at the earliest opportunity.



DATA VALIDATION AND STANDARDISATION

Data validation & standardisation is performed on ALL documents.



DOCUMENT PARSING

Information is parsed, formatted data is then consumed by the robots.



DISPARATE ERP SYSTEMS UPDATED

Four separate ERP systems are now updated by the RPA solution.

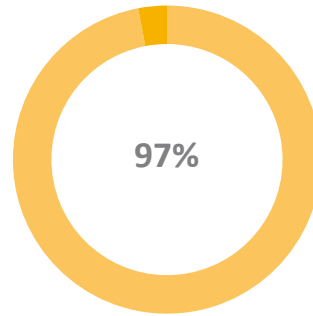
Solution

“If we didn’t have a means by which to standardise data then the whole project would have never got off the ground”

2 Sisters Food Group

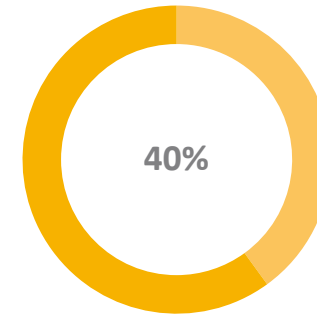
Benefits Realisation

AUTOMATION



100% manual processing to 97% automated

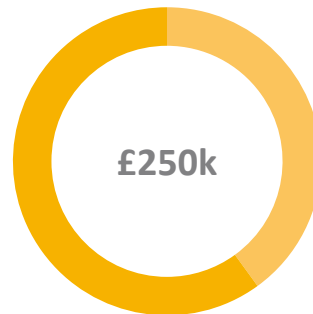
EFFICIENCY



Quality of data has improved substantially with 40% estimated efficiency gains

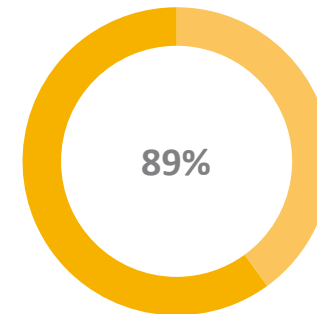
← APPLICATION DELIVERED IN 6 WEEKS →

COST SAVINGS



Approx. £250k saved per annum

TOUCHLESS



Currently 89% touchless and improving



Questions, ideas?