

# Intelligent Automation (IA) enables Artificial Intelligence (AI)

Oil & Gas Industry

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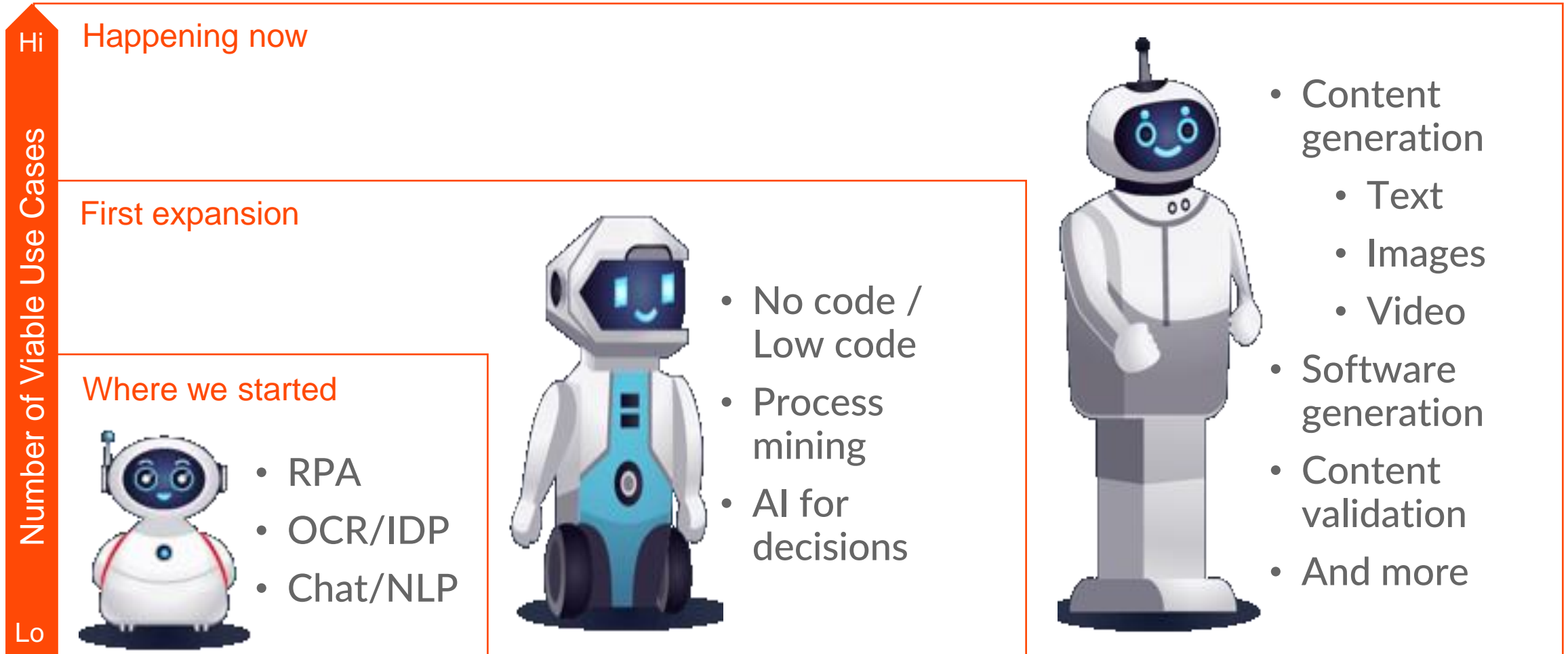
 **WONDERBOTZ**



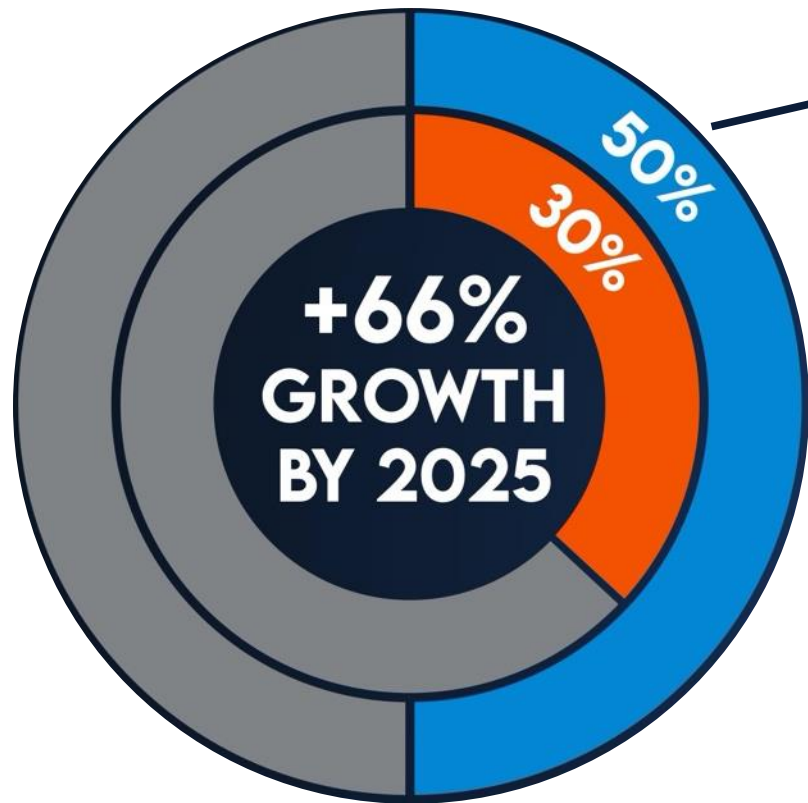
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# AI is increasing Intelligent Automation use cases



# What analysts have said about intelligent automation growth



**Potential impact to day-to-day business from intelligent automation**

Operational costs decrease by 30% from IA paired with process redesign (by 2024)

>70% of large global enterprises to have 70 concurrent IA initiatives needing governance (by 2024)

50% of enterprises have devised AI orchestration platforms to operationalize AI (by 2025, up from <10% in 2020).

■ Late 2023

■ By 2025

Source: Assorted Gartner Articles

**WONDERBOTZ**

# We're still just getting started with AI!

## AI Penetration



**33%**

IT processes



**28%**

Business Processes

Historically, AI supports decision-making and is focused on pattern and exception recognition.

## AI Examples



**29%**

IT Security and  
Threat Detection



**26%**

Business Analytics  
or intelligence



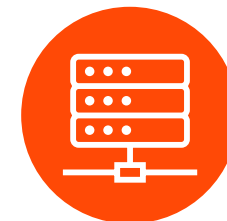
**22%**

Financial Planning  
and Analysis



**23%**

Fraud  
Detection



**22%**

Sensor Data  
Analysis



**22%**

Monitoring and  
Governance

# The revolution has begun...

THEN

People needed to learn the languages of computers



NOW

Computers have learned to 'speak' in our languages



... it's true impact is still unclear



# AI: Guru or Conman

## Business Improvement



Tracks activities and tells leaders what's really happening and where to focus for improvement

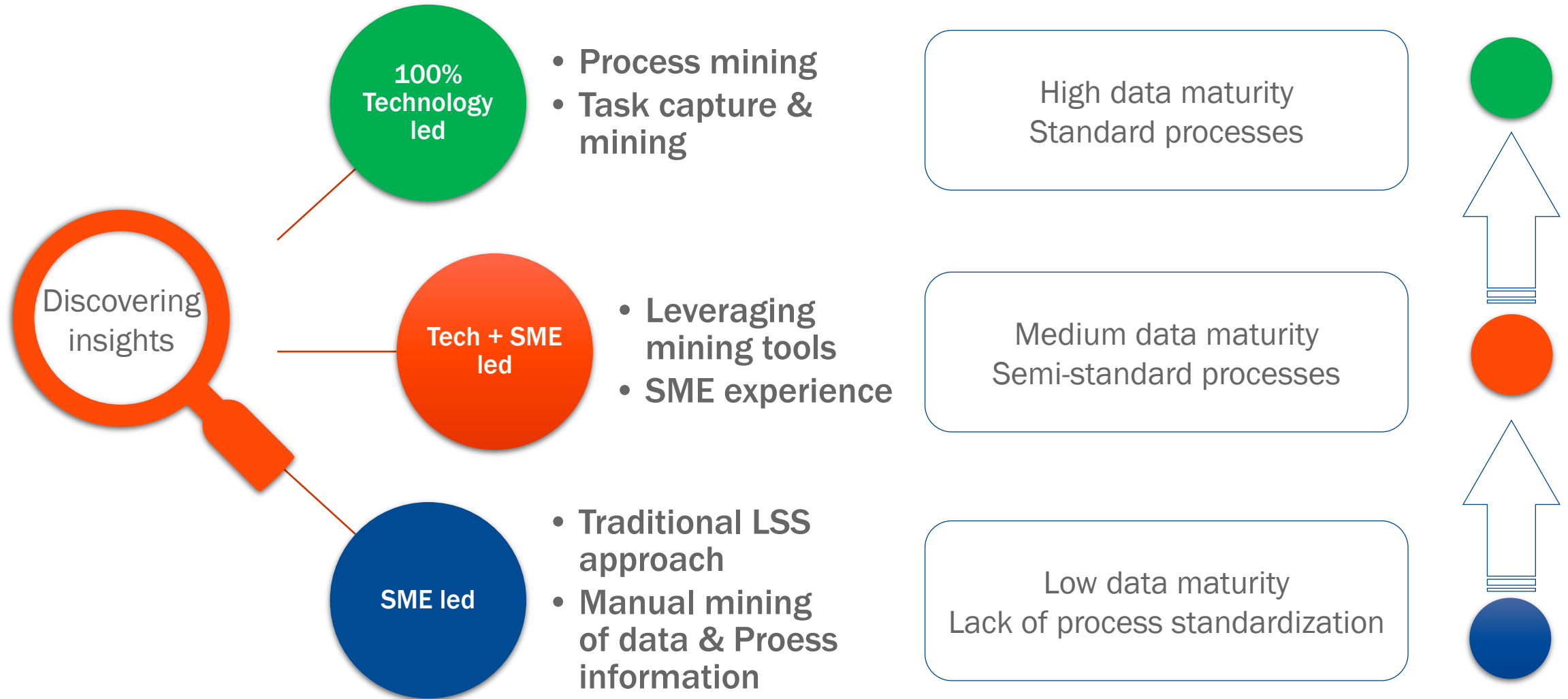


## Six 'Bogus' Citations



Generate documents containing judicial precedents in support of plaintiff's case

# Three Avenues to start Process Improvement





# Aggregate your organization's previously unavailable data

Leverage best-of-breed discovery technologies to identify processes and tasks performed within your organization

## How it works

- Identify a targeted area for evaluation, or roll out to the entire enterprise
- Collect system event logs from your applications to help identify end-to-end processes
- Install a recording agent on employee machines to track process and task-related activity
- Run models to identify processes and generate an initial set of process metrics and SOP documentation (PDD)
- Unwanted applications and websites can be blacklisted, to only track what you want

The image displays the OfficeAutomata Dashboard interface. The top section shows process metrics for 'Import Patient Data', including a description: 'The process for authoring an account opening income to include performing revenue entries by hand, logging these entries into the system via a specific UI, closing the work issue to the client, copy pasting relevant data to create expense reports.' Below this is a table with columns: ID, NAME, DEPT, TITLE, HOURLY, MONTHLY, KIND, MACHINE, PERMISSION. The table lists users like 'Blond', 'Cahoon', and 'Bove' with their respective metrics. A flowchart on the right details the process steps: 'Enter data into stateless spreadsheet', 'Input data into hospital system for payroll recognition', 'Enter the FstName and LstName; pane details into Patient Admissions', 'Record is displayed in all cases in', 'Get the share-date', 'Enter expense data into APP USE as Value of Name server Localho', and 'Open New Invoice Edit and copy and paste voucher information. Column field: invoice\_document\_num'.

ID	NAME	DEPT	TITLE	HOURLY	MONTHLY	KIND	MACHINE	PERMISSION
Blond	Blond	AP		0	400	User		Read
Cahoon	Cahoon	AP		0	400	User		Read
Bove	Bove	AP		0	400	User		Read

# ETL Essentials – Extract, Transform, Load

ETL Essentials are the critical steps to collect, collate, clean, and format application logs from your source systems into a structure that facilitates creation of end-to-end process flows

## Extract

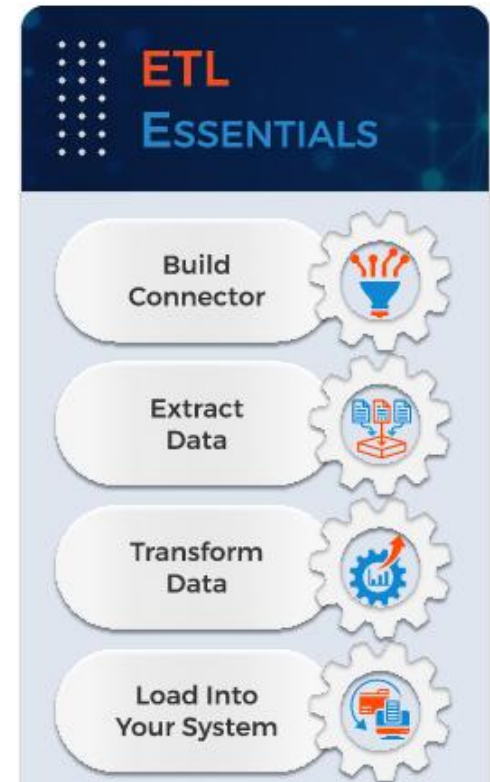
- Extraction gathers application information from systems used in your processes, both internal and external
- If an exception occurs, ETL Essentials can ask an authorized knowledge worker or application owner to pull the logs

## Transform

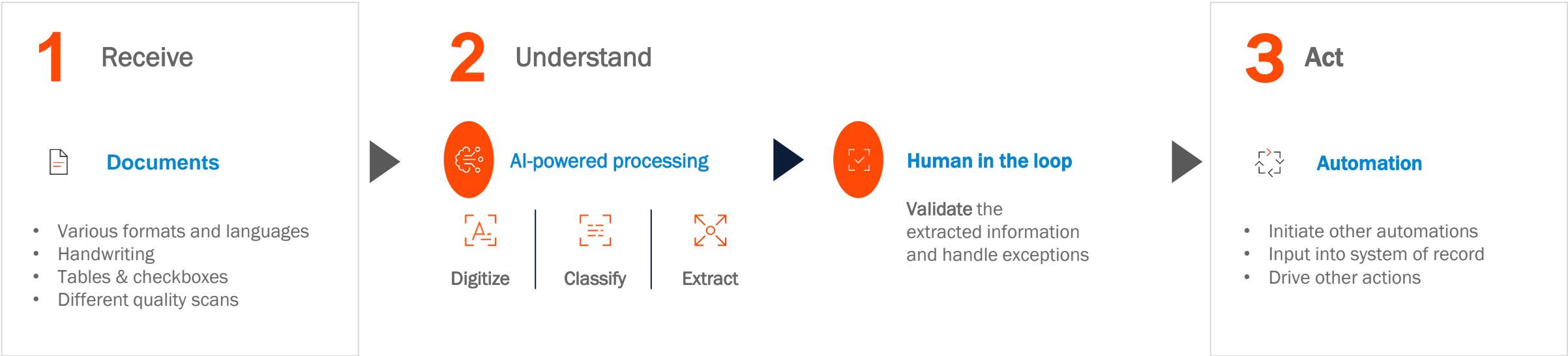
- Transformation manipulated gathered logs into a form that is valuable for the discovery tool
- Transformation can perform calculations and validations, add tags, remove unnecessary information, and formats the information from different systems into one consistent database

## Load

- Structured information is delivered directly to the discovery tool for analysis



# Intelligent Document Processing (IDP)



## Sample Use Cases

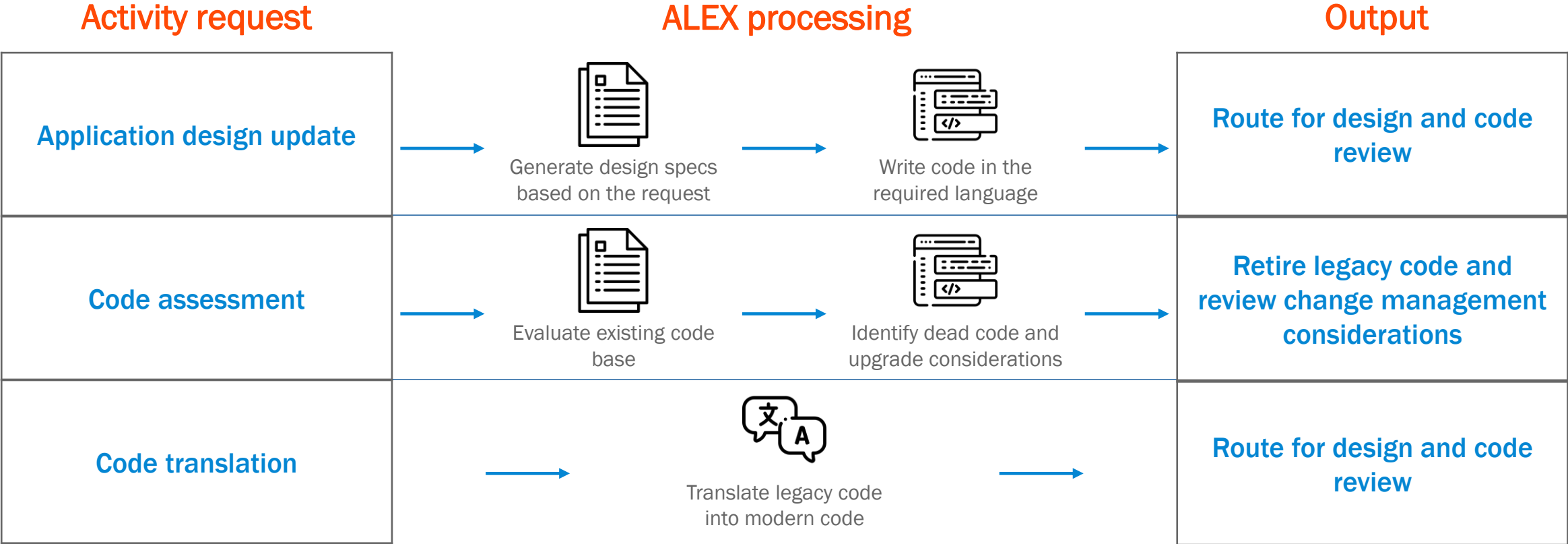
Invoices from Service Providers are processed automatically with Gen AI and Rules

Review Environmental Water Reports and upload to regulators after extraction and summary with Gen AI

Analyze drilling and other data/documents from vendors using LLMs and auto update/act

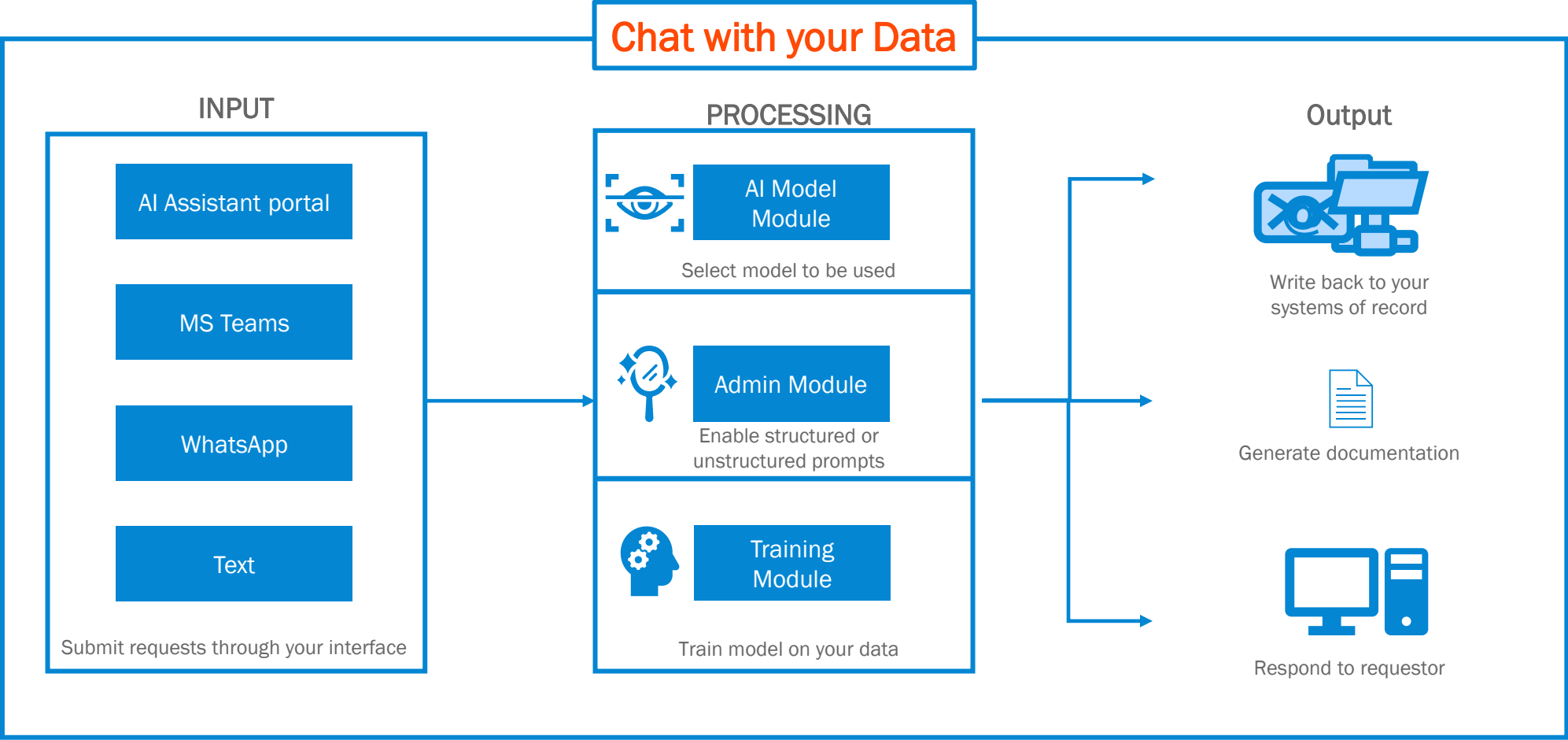
# Modernizing legacy technology with ALEX

ALEX can optimize your interactions with legacy applications that require aging skill sets. Use AI to generate, review, evaluate, and translate code to drastically speed deployment



# Chat with your data

Chat with your data lets you interact with the data that matters to your processes. Submit a structured (or unstructured) prompt to the interface and get direct results



# Risk Analysis



> Finance

▼ Telco

Voice Analysis

> Pre-Built Solutions

Would Pay On Time

\$11,267

Likely To Pay On Time

\$234,635

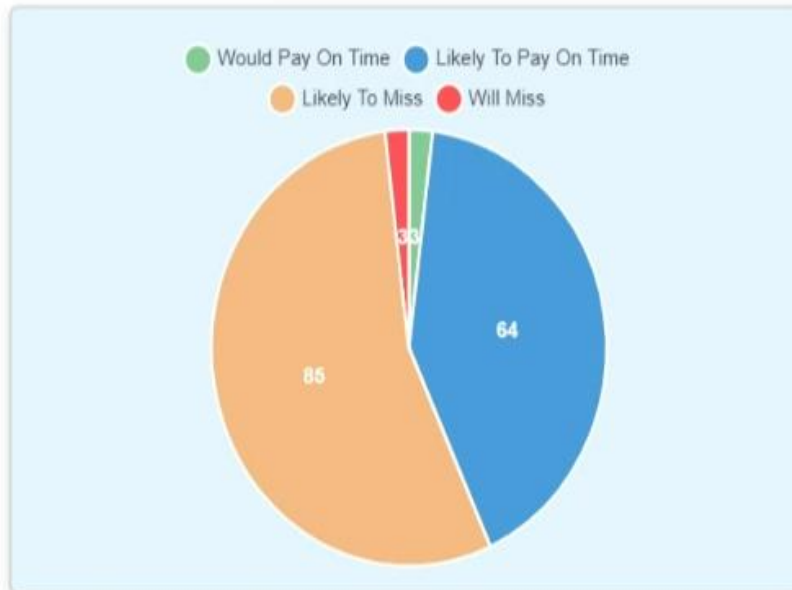
Likely To Miss

\$348,613

Will Miss

\$6,125

## Projection Status



## Likely To Pay On Time

Applicant ID	Applicant Income	Co Applicant Income	Loan Amount	Loan Term
L48WV1V0	258,460	68,920	670,000	120
6Z26RI04	76,329	30,567	150,000	300
H RTP6IFC	55,000	14,000	150,000	120
T5247397	65,789	45,840	450,689	240
QQ62I07U	50,000	20,000	300,000	360
OE3GGYYX	756,000	43,000	650,000	120
KK32EAZK	867,744	345,789	870,000	288
WLMJEQNV	750,000	40,000	500,000	180
03YG7KZO	672,343	24,358	500,000	180
ZOY03WTF	874,422	324,000	750,000	120



# AI will help you leverage your contract data

Contract management solution uses AI, Natural Language Processing (NLP), and RPA to retrieve vendor contracts, read contract data, and update or create the customer record in a procurement system.



## Benefits

### Better Contract Management

Improved contract tracking, renewal, and compliance management.

### Improved Vendor Evaluation

Measuring vendor performance against contract requirements.

### Accurate Financial Forecasting

Better optimization of budget allocation strategies.

### Effective Risk Management

Mitigate potential risks associated with vendor relationships.

## Industry Impact

Missed deadlines or slowed negotiations costs companies 9.2% of bottom line.

Manual contract review costs \$7k-\$49k or more per contract.

Poor vendor performance can contribute to 15-20% higher costs.

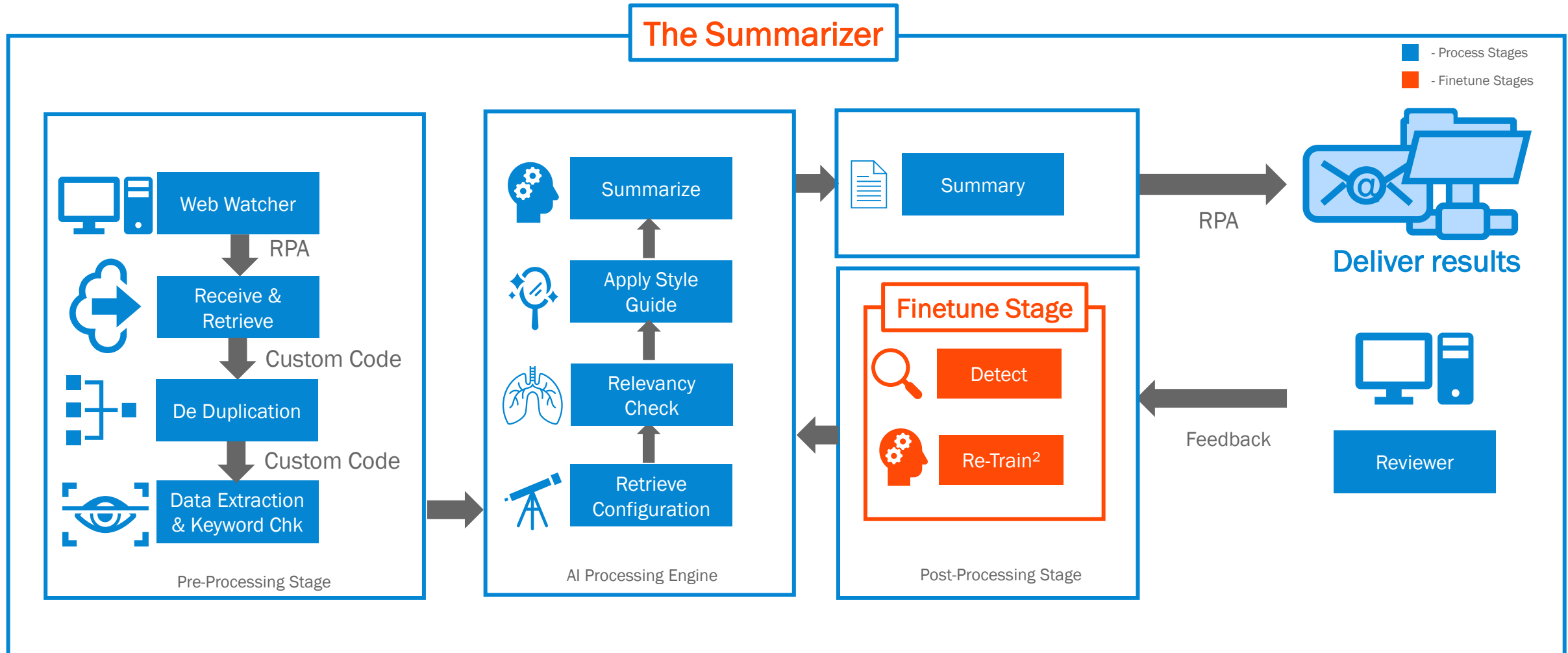
[JP Morgan reduces manual work by 90%](#)

Average cost of a data breach is \$4.45 million.

In 2017, over 900 regulatory agencies issued a combined 200+ regulatory updates, every day.

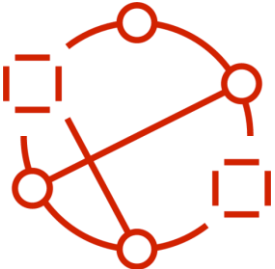
# The Summarizer: The AI Solution

The Summarizer is a standardized, extensible, AI based framework which is focused on generating the summary of text fed to it. It is customized to ingest a rule engine to find the relevant articles before summarizing them using the desired styling guide.



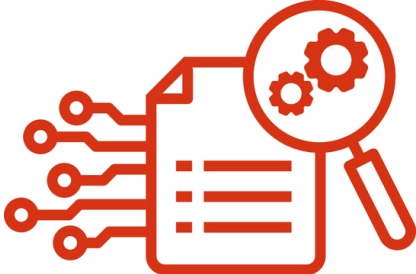
# Important practices to adopt

## AI is part of Intelligent Automation



Use AI as part of integrated intelligent automation for end-to-end processing, not just for knowledge worker tasks

## Authenticate, curate, and protect your data



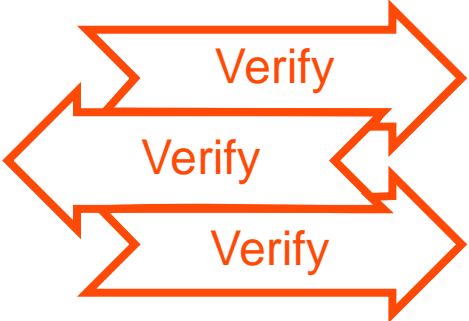
- Exposing confidential information to public AI models is inviting a breach
- Audit trails for compliance

## Craft your AI prompts wisely



- Leading questions bake in bias
- Perhaps, models should have their own identity

## Verify AI results using expertise and/or independent sources



- Treat AI as a person you've just met
- AI may help validate other AI results

Let's stay in touch!



**Bhavesh Joshi**

Global Operations Transformation  
Leader driving P&L growth, supply ch...



# Thank you!

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