



HUMANOOP Pitch-Deck

An AI tool for the modern workplace

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a product by



AETHON at a glance



18

RDI projects (European and Greek)

>200

European partners with proven collaboration

1

Hackathon won – Create an ML model for electricity
thefts

>€30 mln.

project value generated directly from AETHON's proposal
coordination

56%

team growth in the last 2 years

2

spin-offs products until end of 2024



Our AI background

- We have won the HEDNO competition for energy thefts
- We have been building both AI and ML models in mobility:
 - Choice models
 - Travel Mode Detection models
 - Simulation models
- AI Lab aims to create and implement AI/ML/DL tools in industry use-cases



The problem

- Companies/organizations are not ready or willing to fully automate
- Companies are facing additional issues:
 - Highly competitive business climate;
 - Low retention rate;
 - High technological evolution leading to high training costs;
 - Low human productivity due to repetitive tasks

- Cost ~€2k per document

Document
Digitization



- ~8k per ship
- Additional costs on errors

Maritime



- ~€15k per 100 buildings

Real Estate



- ~€10k per month for a small accounting firm

Accounting



Value proposition

HUMANLOOP helps businesses automate complex document workflows through intelligent Human-AI collaboration—ensuring both speed and compliance without sacrificing control.

Novel Concepts

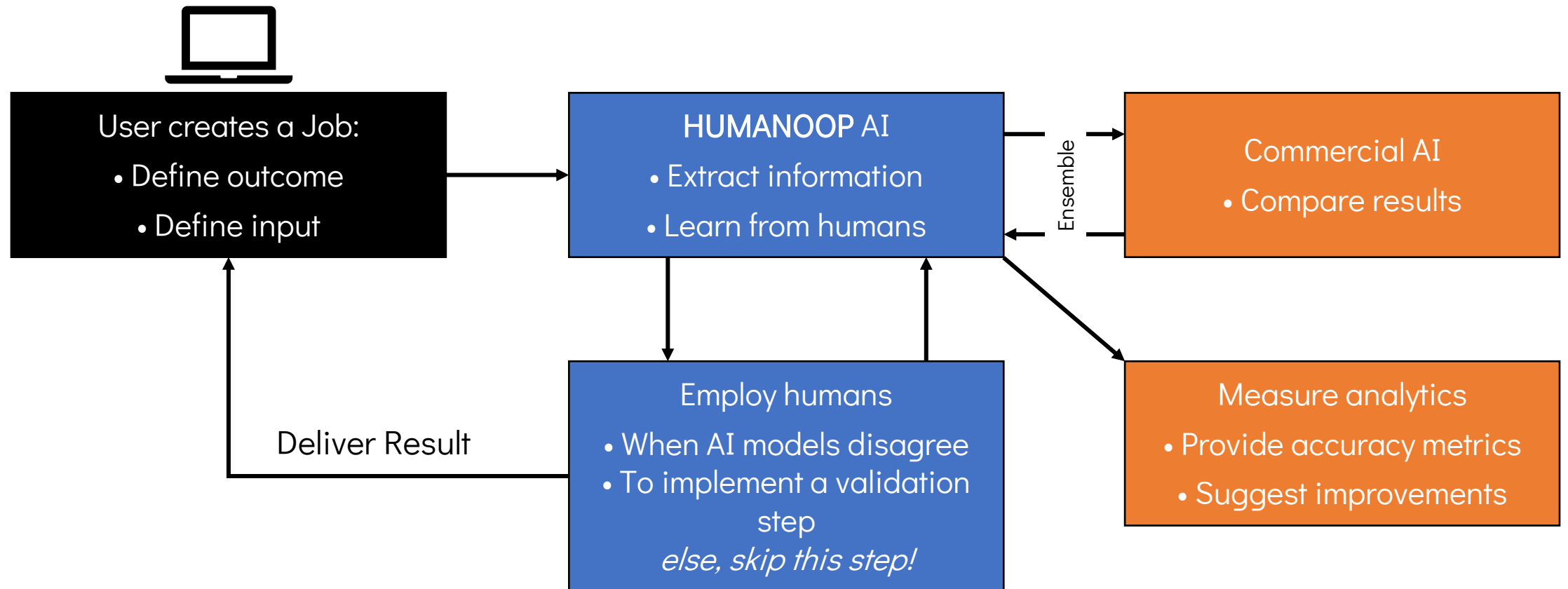
Human-in-the-loop
by design

Holistic AI acting as
worker and judge

Human
augmentation
mechanism



Our solution

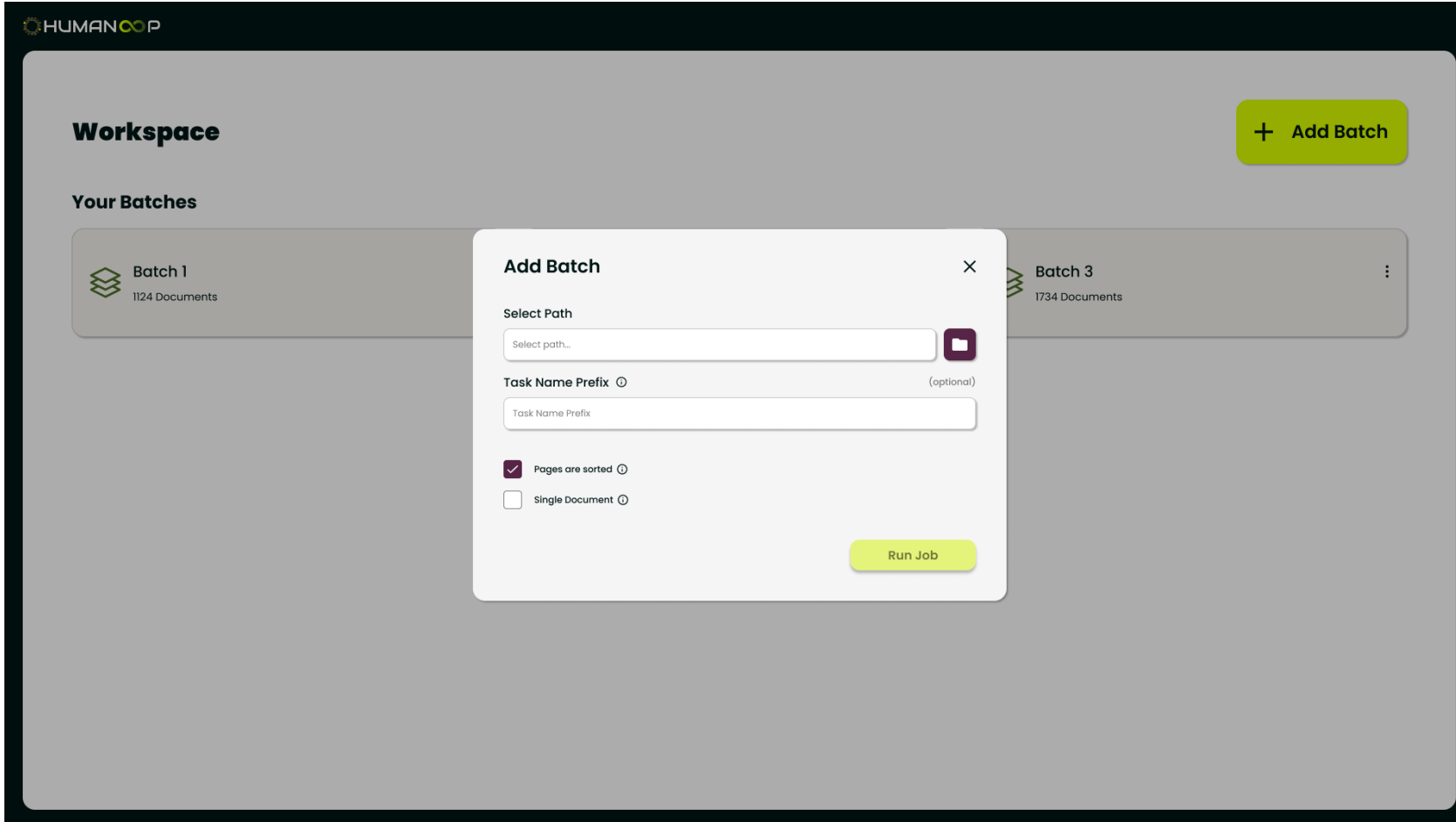


Our solution – An example

- Need to extract information from images of court documents, e.g., date and court name
- Upload each image, HUMANOOP AI reads the pages and extracts the information in consecutive iterations
- If iterations do not produce the same data, a human manually extracts them and HUMANOOP guides and reviews human input
- Human-in-the-loop by design, not as a fallback

HUMANLOOP

Workspace – Add Batch



The screenshot shows the HUMANLOOP Workspace interface. At the top left is the HUMANLOOP logo. The main heading is "Workspace". In the top right corner, there is a green button with a plus sign and the text "Add Batch". Below the heading, there is a section titled "Your Batches". This section contains two batch cards: "Batch 1" with 1124 Documents and "Batch 3" with 1734 Documents. Each card has a stack icon and a three-dot menu icon. A modal dialog box titled "Add Batch" is centered on the screen. It has a close button (X) in the top right corner. The dialog contains the following fields and options: a "Select Path" section with a text input field labeled "Select path..." and a folder icon; a "Task Name Prefix" section with a text input field labeled "Task Name Prefix" and a "(optional)" label; and two checkboxes: "Pages are sorted" (checked) and "Single Document" (unchecked). At the bottom right of the dialog is a green button labeled "Run Job".

Workspace

Your Batches

Batch 1
1124 Documents

Batch 3
1734 Documents

Add Batch

Select Path

Select path...

Task Name Prefix (optional)

Task Name Prefix

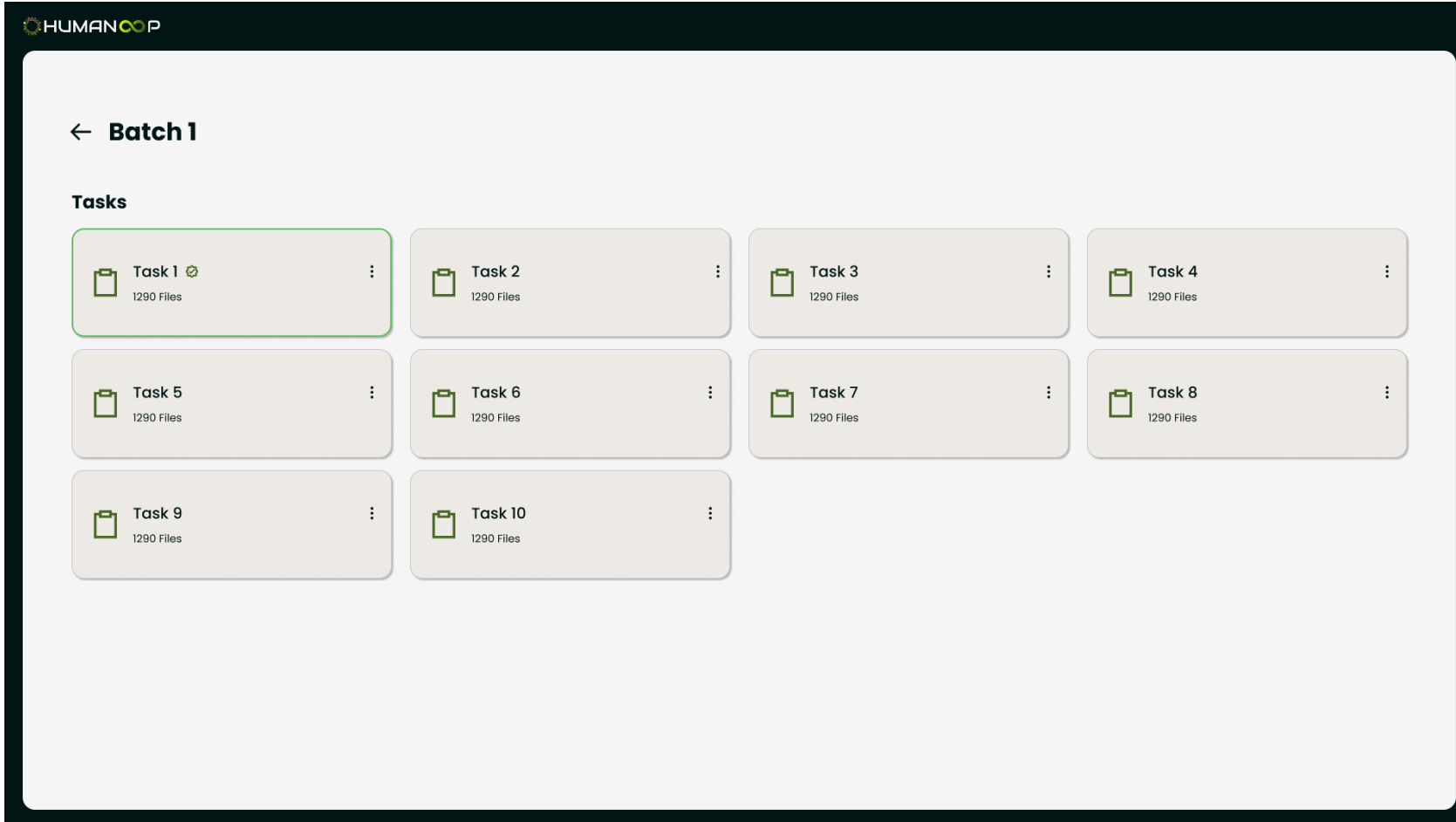
☒ Pages are sorted

☐ Single Document

Run Job

HUMANLOOP


Workspace - Batch - Tasks



HUMANLOOP

← **Batch 1**

Tasks

- Task 1**  1290 Files
- Task 2** 1290 Files
- Task 3** 1290 Files
- Task 4** 1290 Files
- Task 5** 1290 Files
- Task 6** 1290 Files
- Task 7** 1290 Files
- Task 8** 1290 Files
- Task 9** 1290 Files
- Task 10** 1290 Files



HUMANOOP

Document Separation

HUMANOOP

← **Task 9780012345678**

Step 1 **Document Separation** Step 2 Document Classification Step 3 Extract Data

Drag and drop to move an image to another document

Document 1 Confidence: 95%

Document 2 Confidence: 95%

Document 3

Confidence: 95%

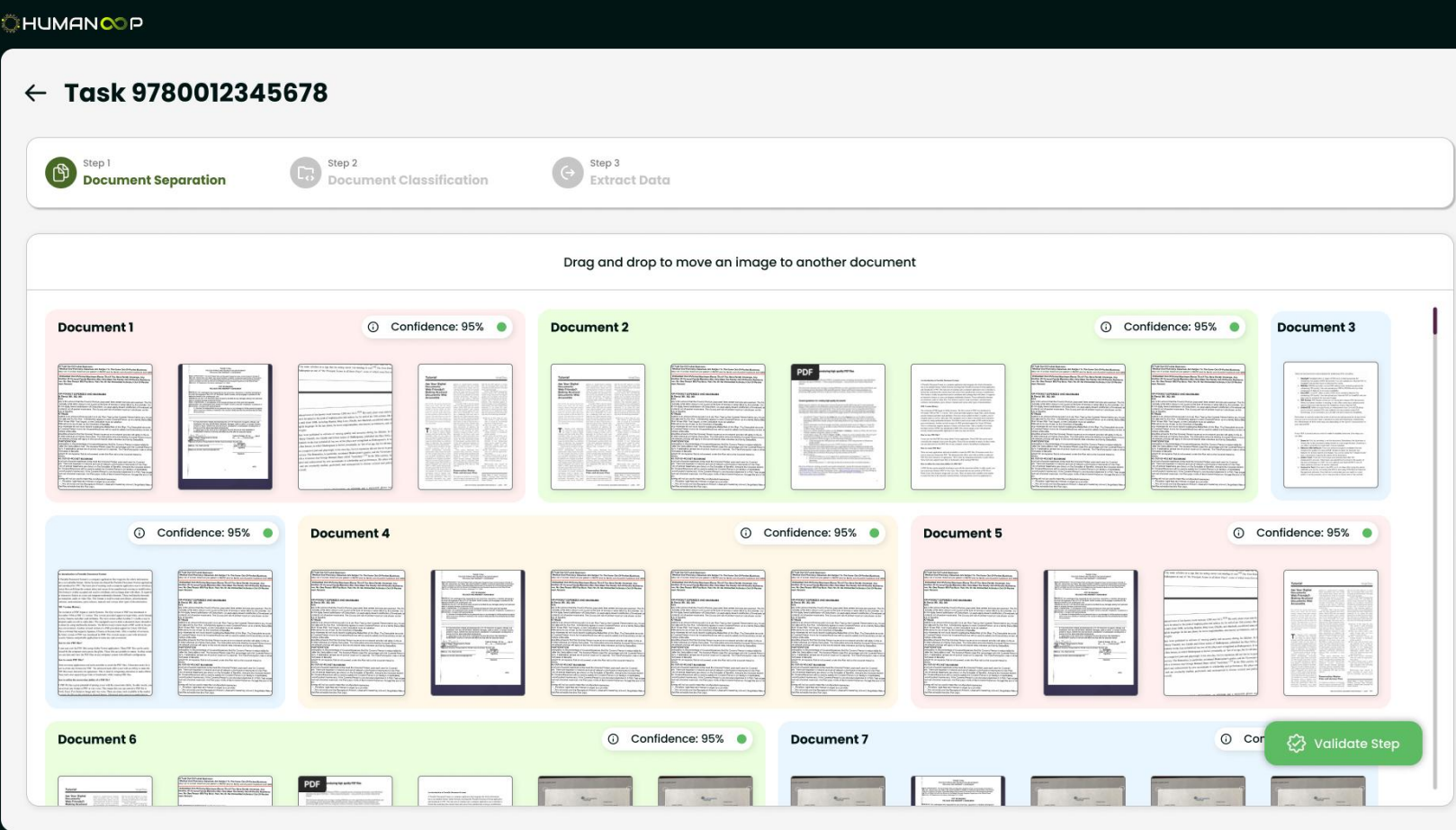
Document 4 Confidence: 95%

Document 5 Confidence: 95%

Document 6 Confidence: 95%

Document 7 Confidence: 95%

Validate Step



HUMANOOP

Document Separation – File Details

HUMANOOP

← Task 9780012345678

Step 1 Document Separation Step 2 Document Classification Step 3 Extract Data

Drag and drop to move an image to another document

Document 1 Confidence: 95% **Document 3** Confidence: 95%

Document 4 Confidence: 95% **Document 5** Confidence: 95%

Document 6 Confidence: 95% **Document 7** Confidence: 95%

File Details

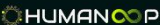
Filename:	Image 1.jpg
File size:	58 kb
Resolution:	1600 px
Page number in batch:	5

Validate Step



HUMANOOP

Document Classification (I)

Task 9780012345678


Step 1
Document Separation

Step 2
Document Classification

Step 3
Extract Data


Confirm of change the classification of each document

Εφετείο
723 Documents



Confidence: 95%

Πρωτοδικείο
102 Documents



Confidence: 91%

Ποινικό
39 Documents

Move all to

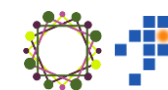
Εφετείο

Πρωτοδικείο

✓ Ποινικό

Confidence: 85%

Validate Step



HUMANOOP

Document Classification (II)

HUMANOOP

← Task 1

Step 1 Document Separation Step 2 Document Classification Step 3 Extract Data

← Εφετείο Confirm of change the classification of each document

Document 1 Document 2 Document 3 Document 4 Document 6 Document 7 Document 8

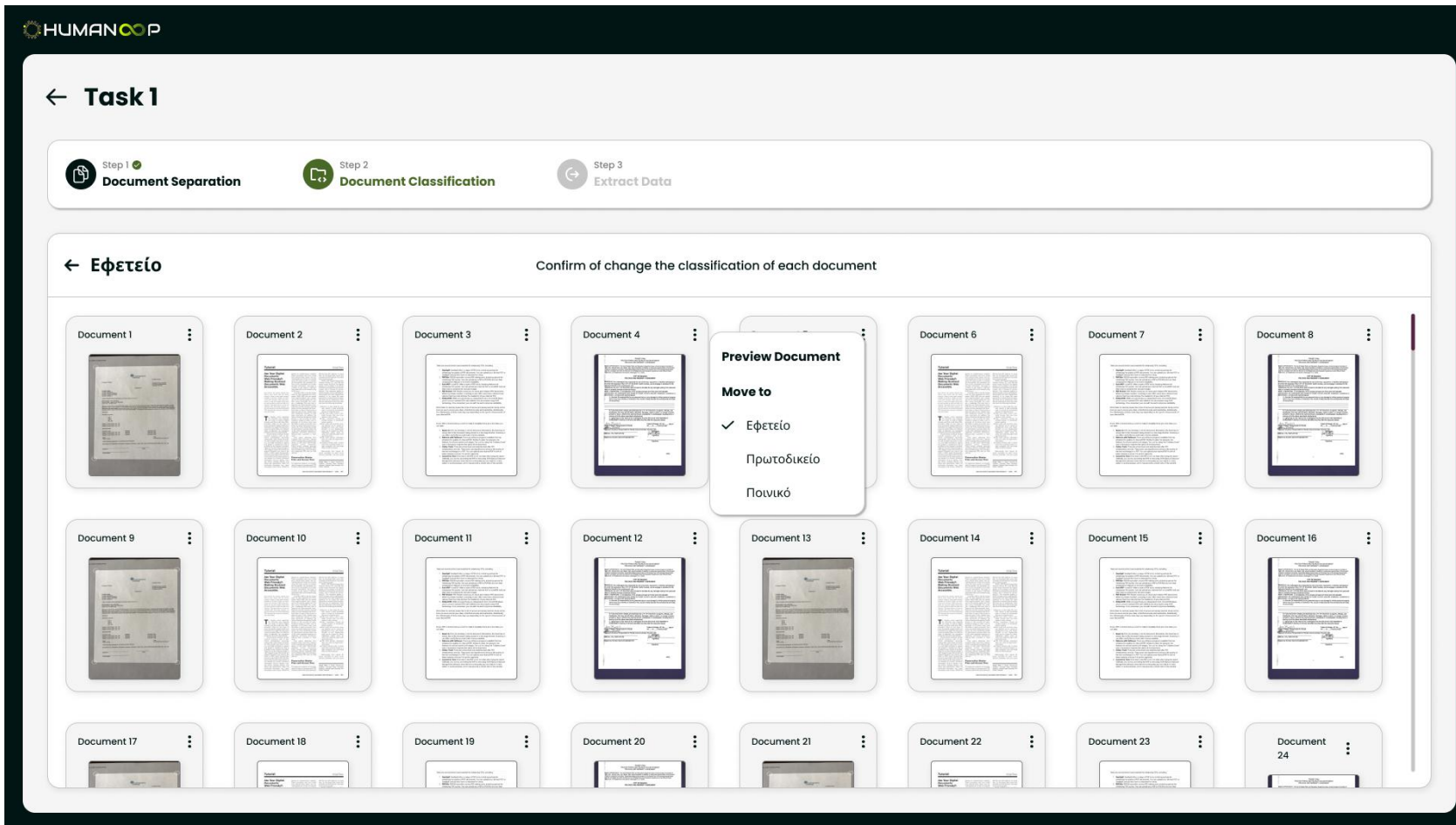
Document 9 Document 10 Document 11 Document 12 Document 13 Document 14 Document 15 Document 16

Document 17 Document 18 Document 19 Document 20 Document 21 Document 22 Document 23 Document 24

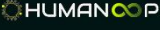
Preview Document

Move to


- ✓ Εφετείο
- Πρωτοδικείο
- Ποινικό





HUMANLOOP Editor



← Task 1

Step 1  Document Separation

Step 2  Document Classification

Step 3  Extract Data

Documents

Document 1

Document 2

Document 3

Document 4

Document 5

Document 6

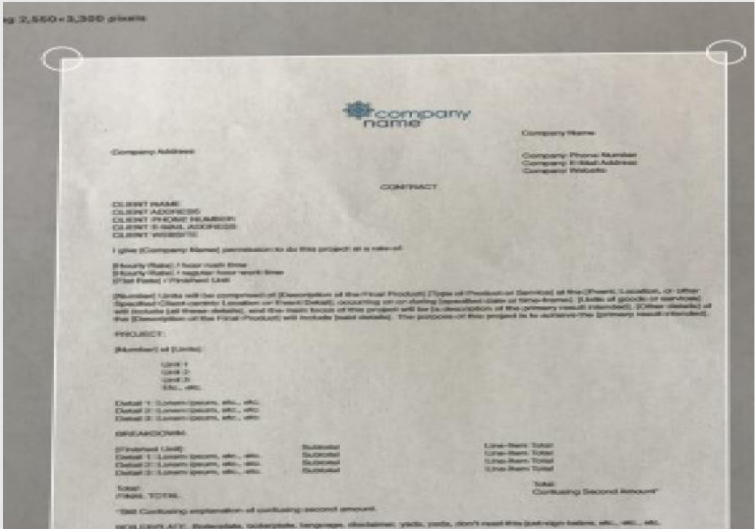
Document 7

Document 8

Document 9

Document 10

Document 1



Extracted Data


Job Class

Εφετείο

Run Again

Extraction Keys	Results
1. Key 1 →	This is a result example. This is what the model will return once you run it
2. Key 2 →	This is a result example. This is what the model will return once you run it
3. Key 3 →	This is a result example. This is what the model will

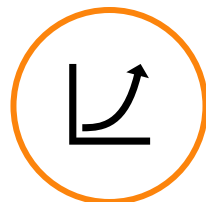
Save Changes

 Validate



Opportunities

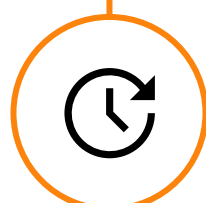
– AI is driving companies and organizations to look for additional values



Greece 2.0: Accelerate digital transformation



Increase efficiency and accuracy



Optimize resource allocation



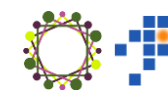
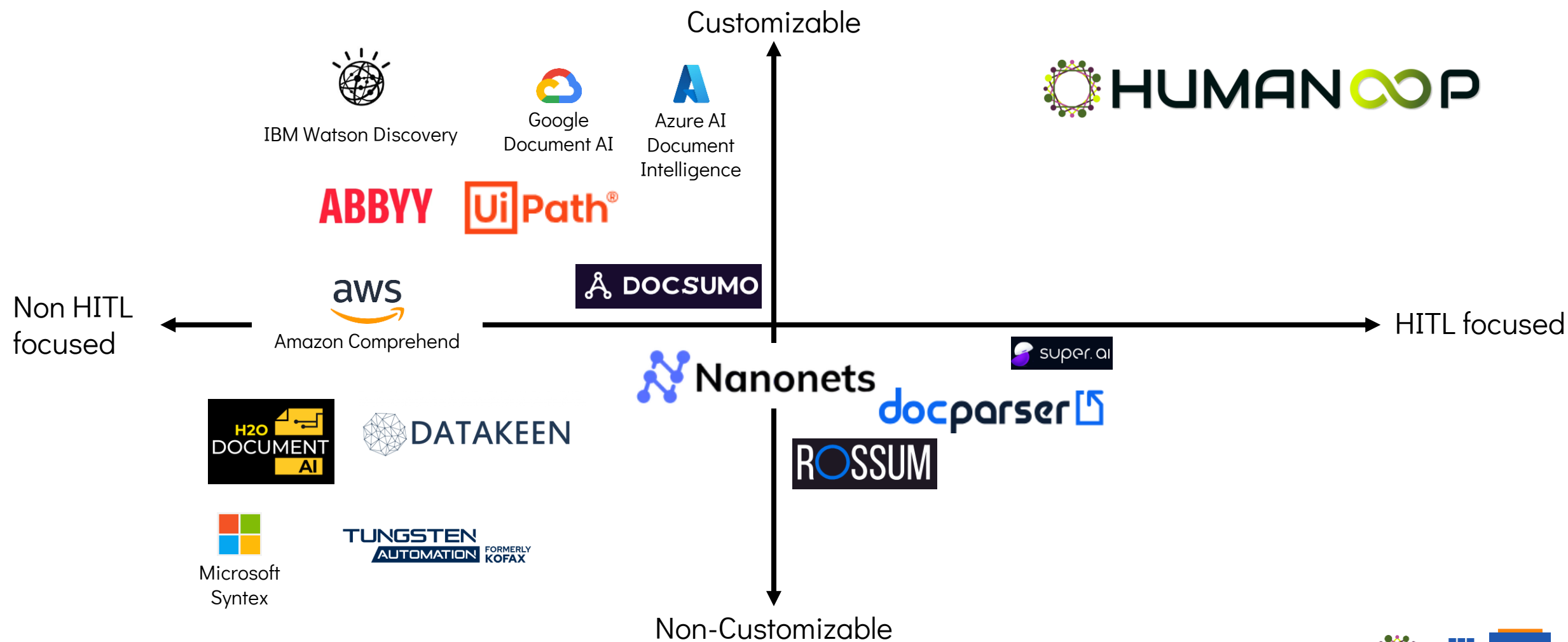
Increase traceability, accountability and audit readiness

Traction

- Process Design & Development: completed
- Software Architecture Design: completed
- First Application Version: May 2025
- Final Application Version: Jun 2025 – Dec 2025
- Active use of HUMANOOP: Jun 2025 – May 2026

Active project: Digitization of Data Files of the Ministry of Justice
(~€4 million signed contract)

Positioning map



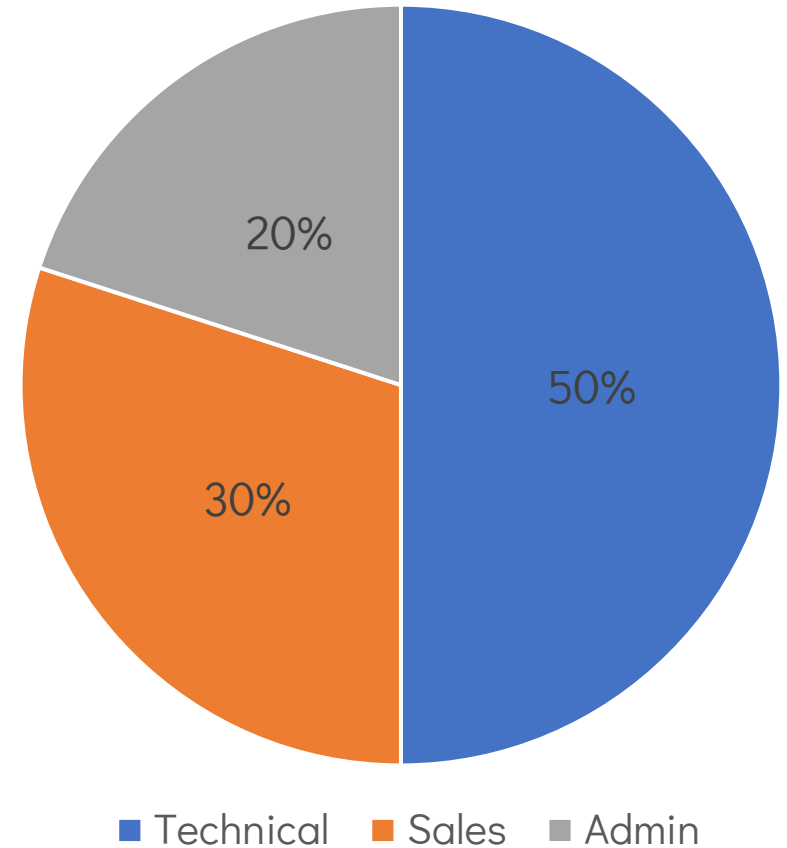
Differentiation

- We provide a **practical and actual implementation of human-in-the-loop**
- Everybody is looking on AI, we are looking at the human. They automate single tasks, **we automate processes.**
- HUMANOOP is a **holistic solution** that transforms data extraction with unmatched speed and accuracy.
- **AETHON's AI team and edge in RDI projects** can provide expertise, contacts and use-cases



Next steps

- Pilot project with digiGOV partners
- We are looking for **€500k** in funding for 12 months to:
 - Build the tool (3 data scientists, 2 software developers, 1 scrum master, UI/UX design, tools)
 - Promote and advertise (participate in events and online advertising)
 - Patent the process (~€50k including legal services)
 - Support the tool's cloud infrastructure
 - Discover use cases and collect feedback





Thank you

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