HUMANOOP Pitch-Deck

An AI tool for the modern workplace

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HUMANOOP

a product by

AETHON ENGINEERING

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

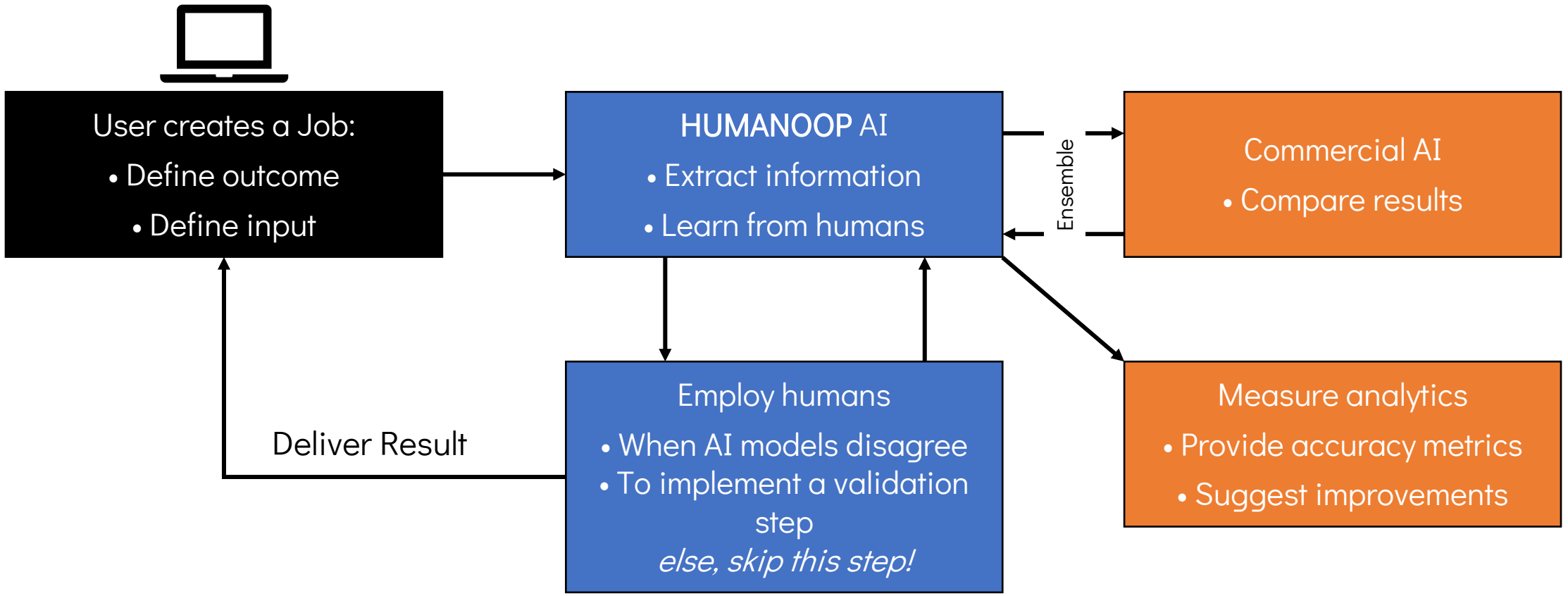
Value proposition

HUMANOOP 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

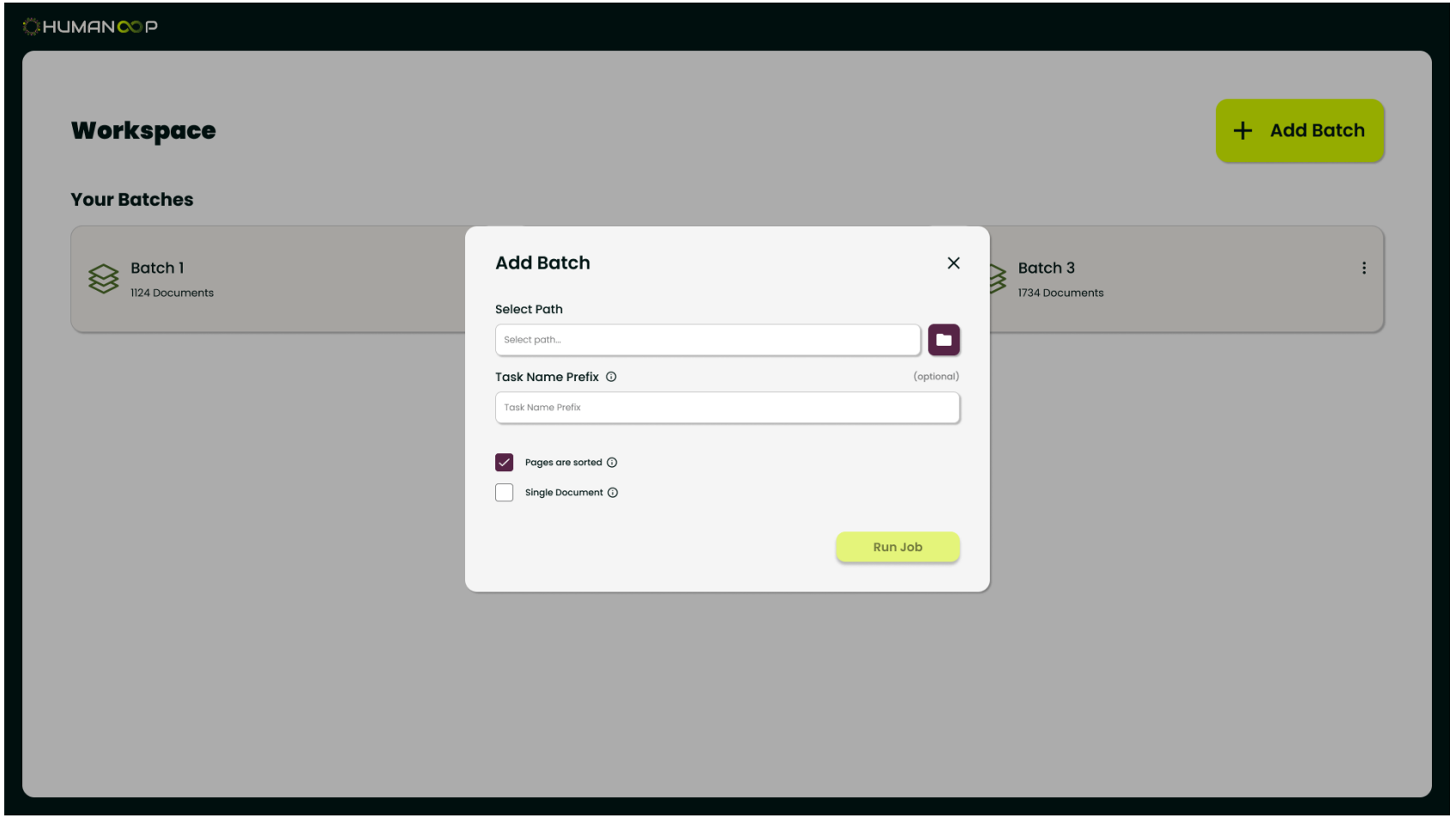
Our solution



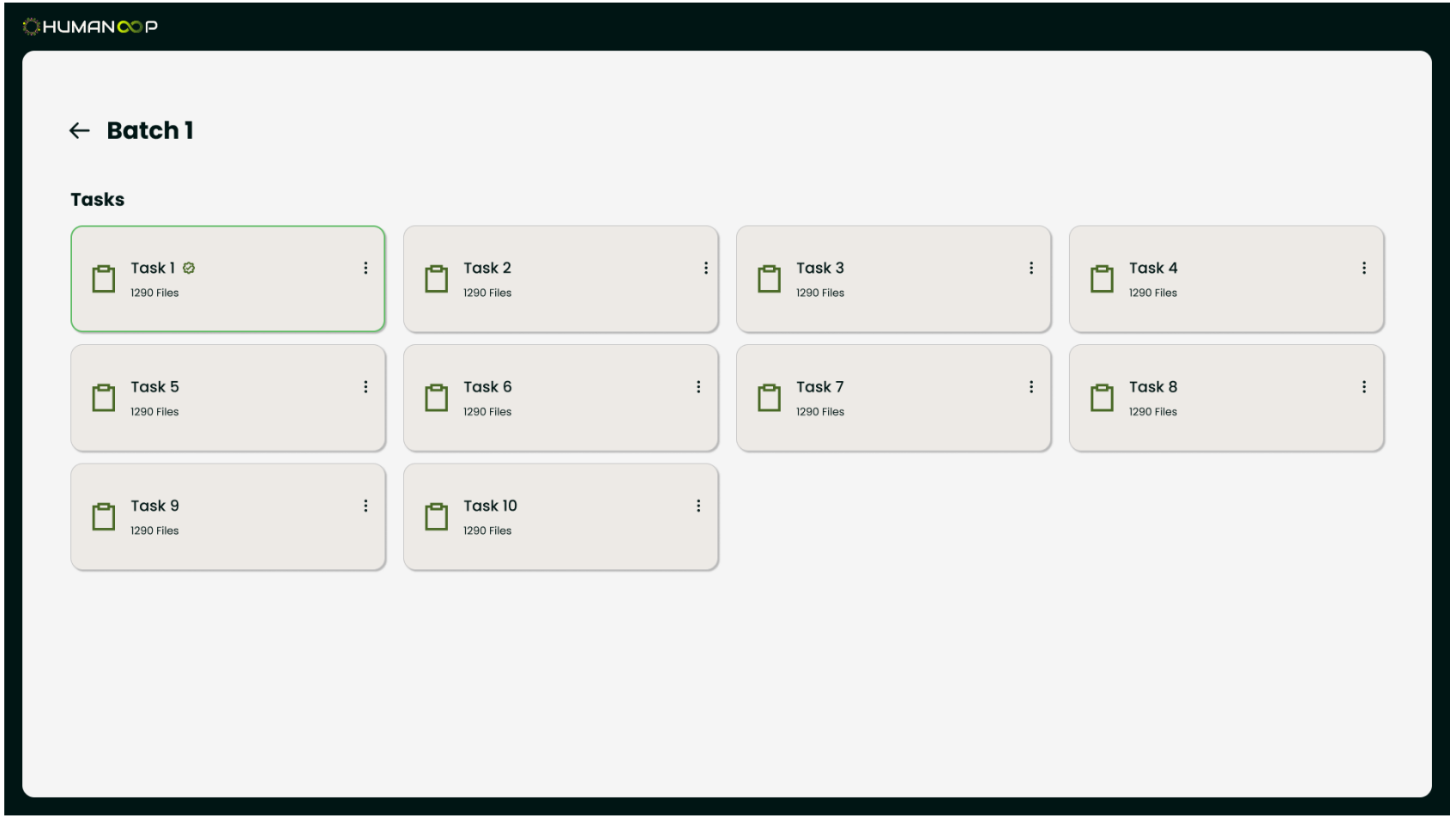
Our solution – An example

- 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

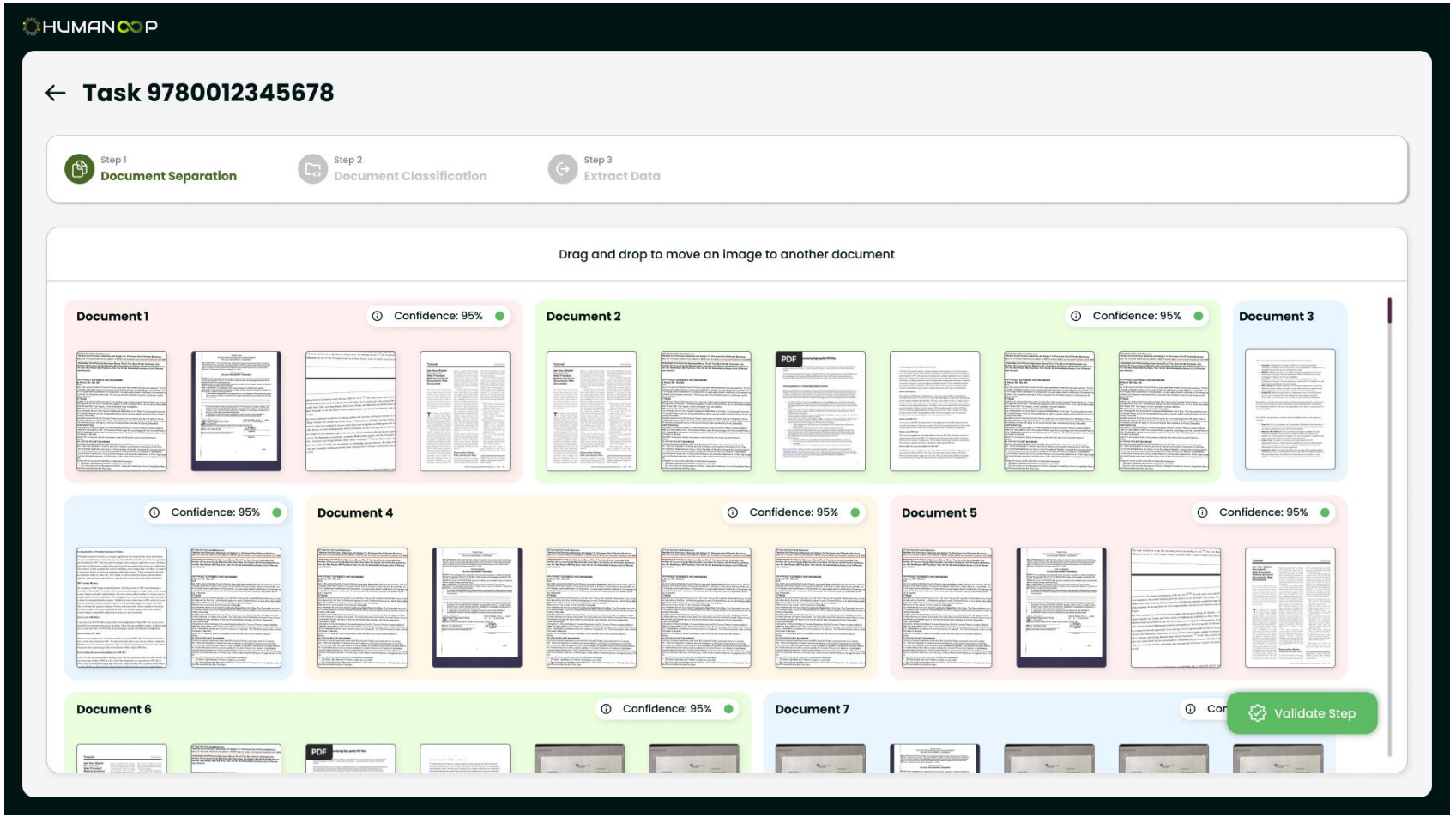
HUMANOOP
Workspace – Add Batch



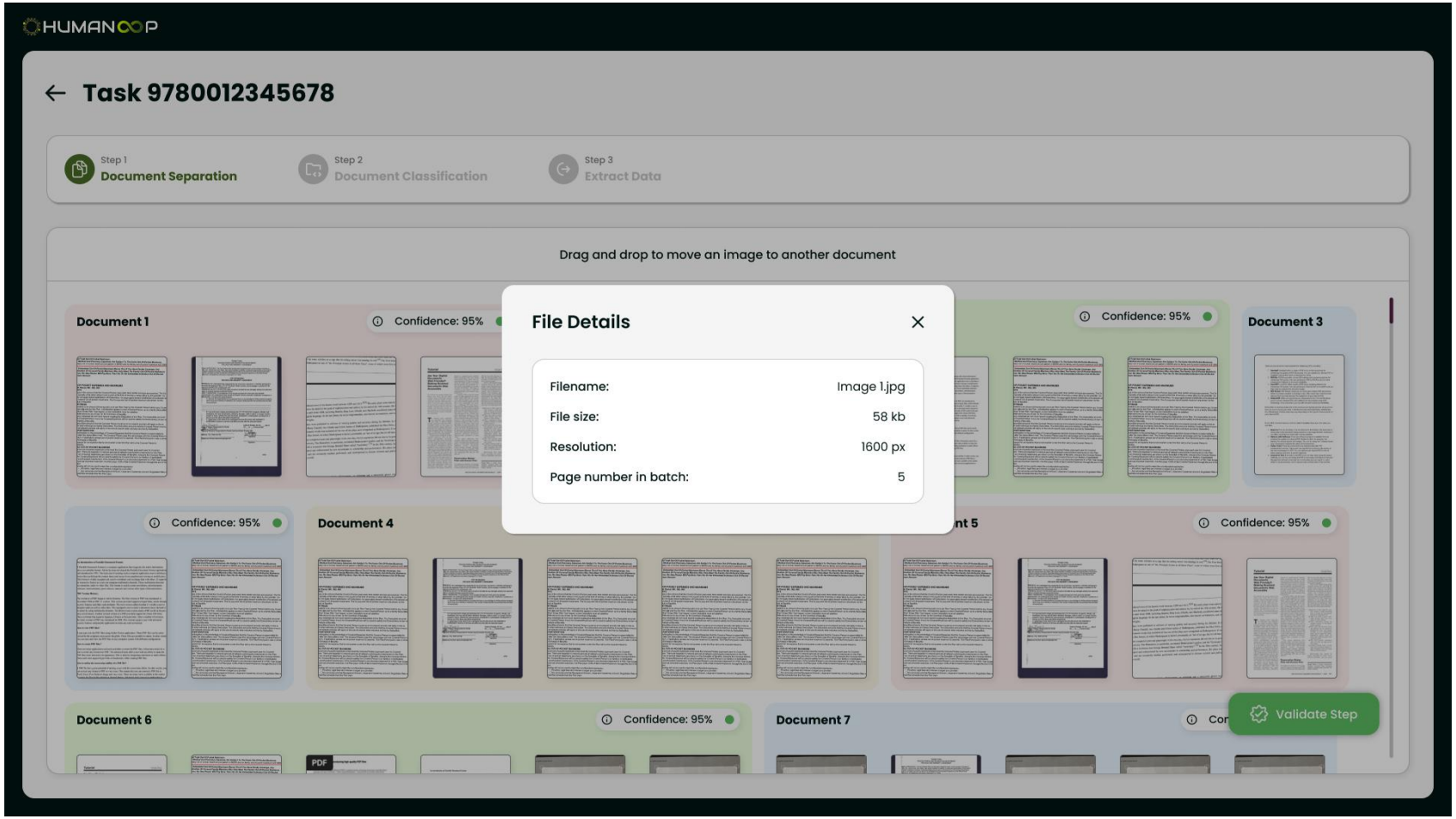
HUMANOOP
Workspace - Batch - Tasks



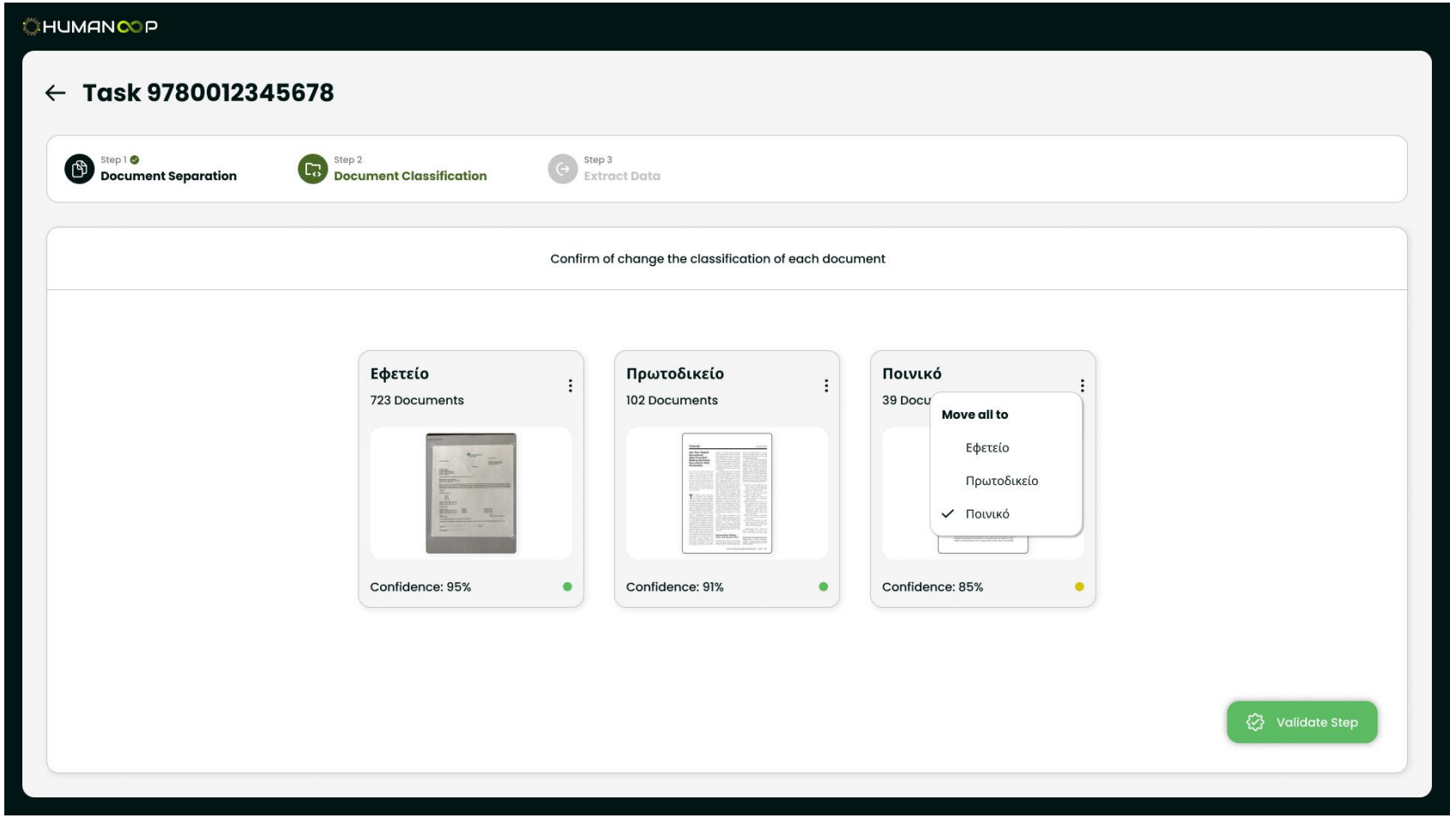
HUMANOOP
Document Separation



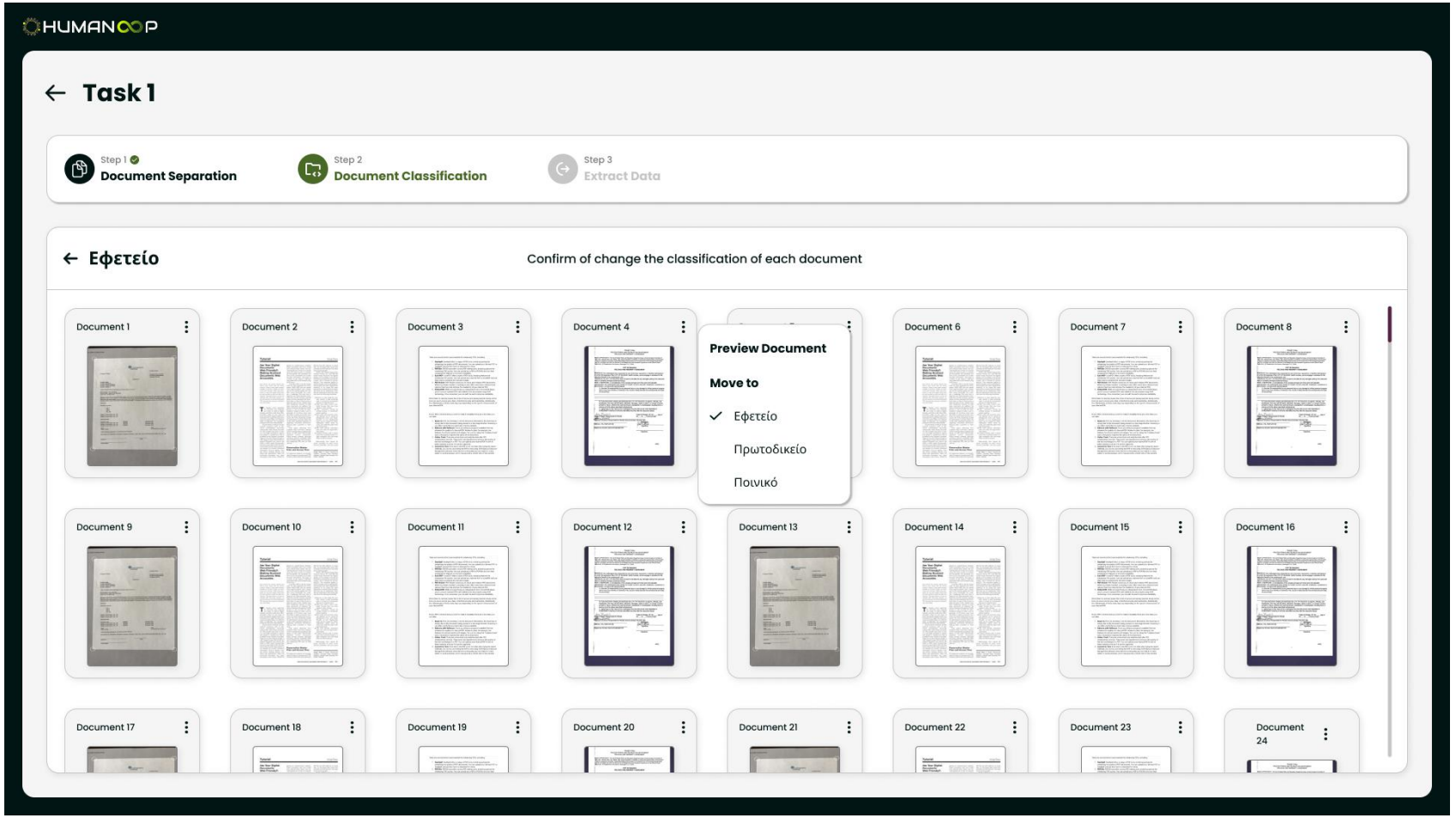
HUMANOOP
Document Separation – File Details



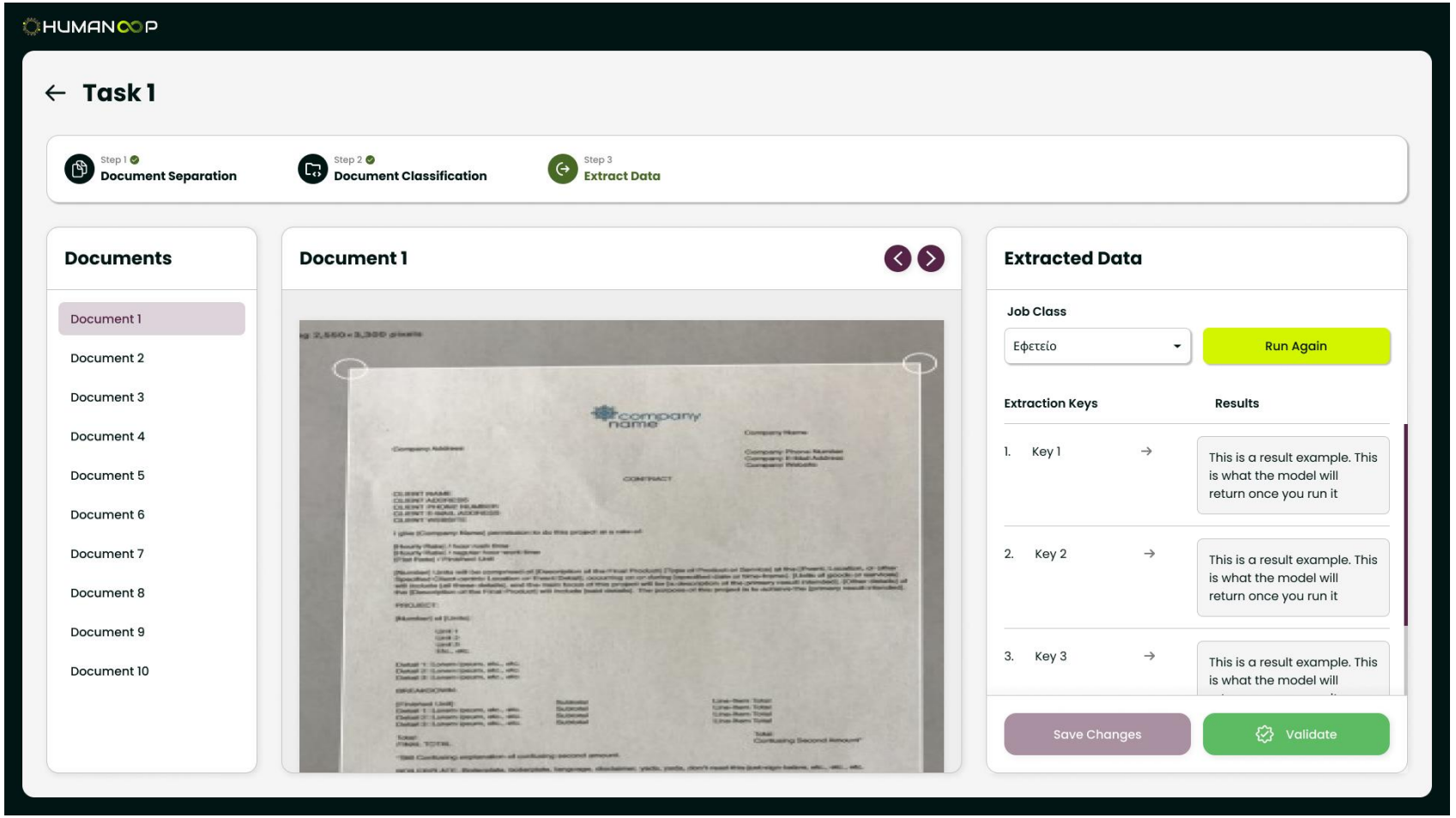
HUMANOOP
Document Classification (I)



HUMANOOP
Document Classification (II)

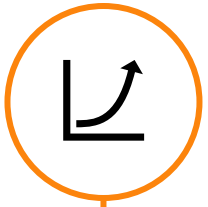


HUMANOOP
Editor



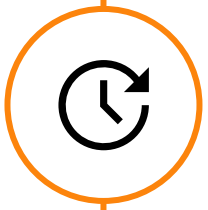
Opportunities

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



Greece 2.0: Accelerate digital transformation

Increase efficiency and accuracy



Optimize resource allocation

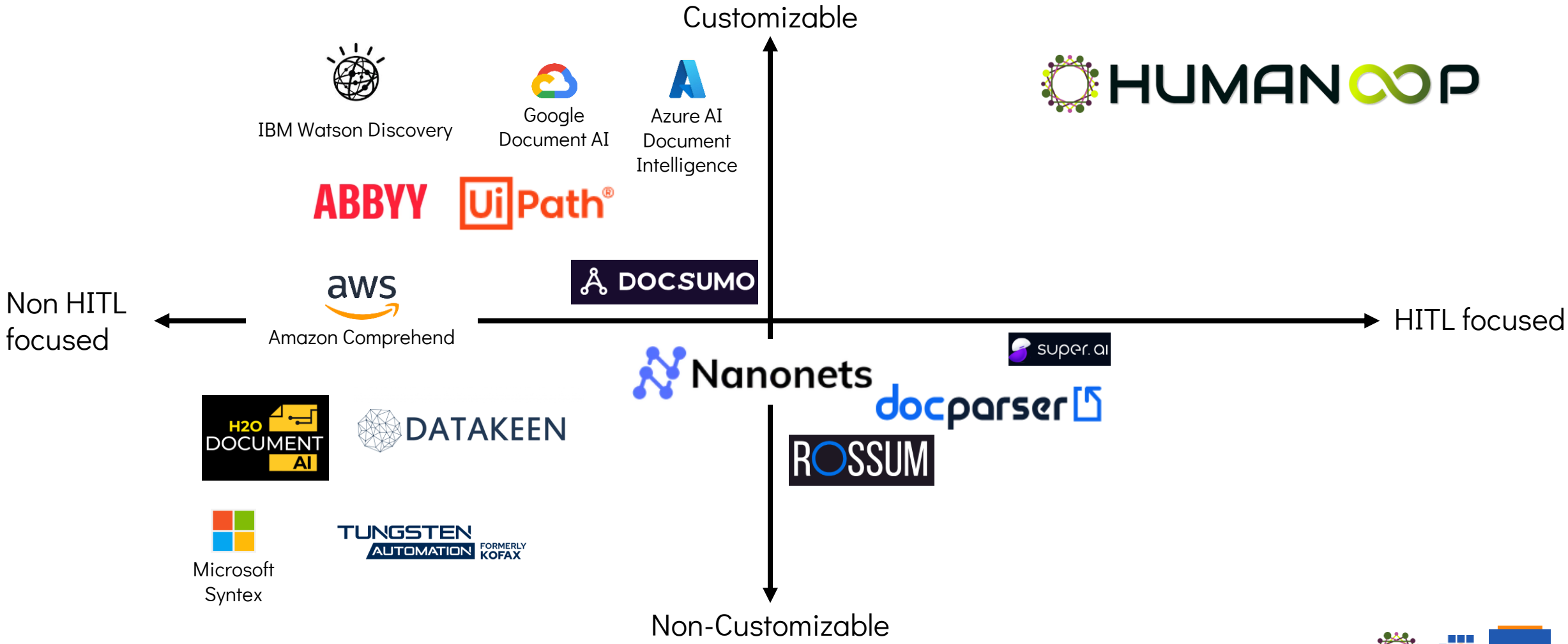
Increase traceability, accountability and audit readiness

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

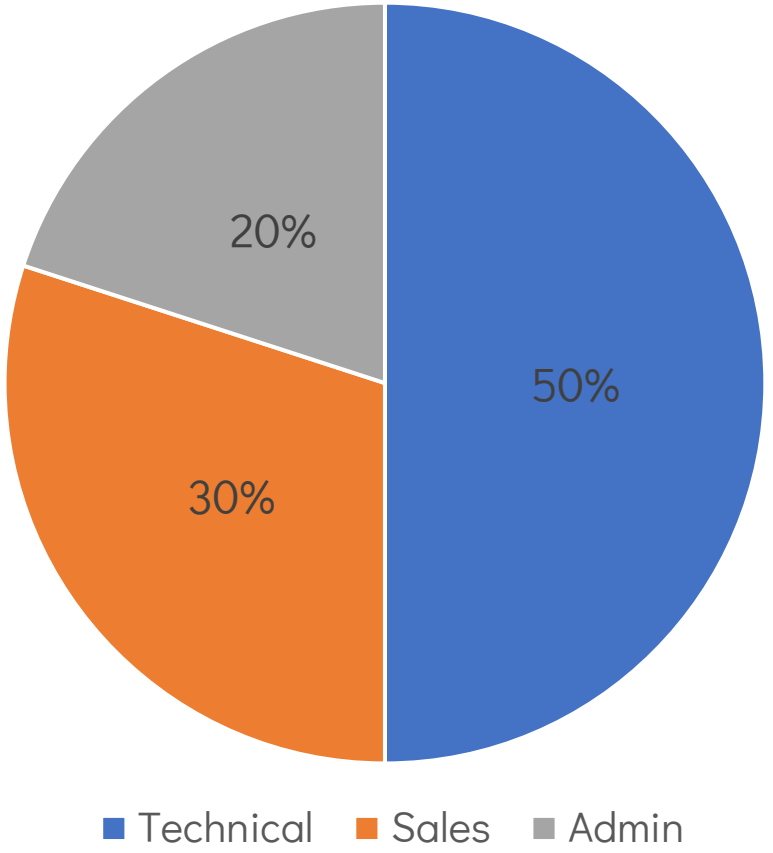


Differentiation

- 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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