

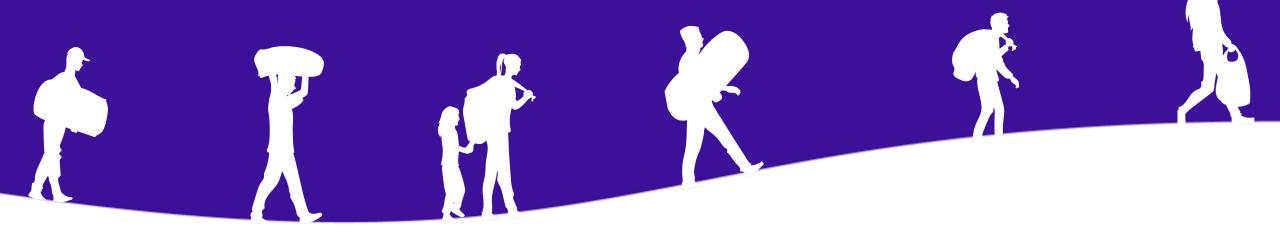


Tess Valbuena COO - HITL

Over 110m people worldwide are forcibly displaced.

The World Bank estimates that around 1.8 billion people live in fragile/conflict affected environments.

By 2030, it is estimated that 2/3 of the world's extreme poor will live in fragile environments. In these circumstances, many are forced to take jobs that are unsafe, unstable or do not meet a living wage.



We see Humans in the Loop as a springboard to other remote work opportunities for our beneficiaries – our charitable foundation provides trainings on crucial skills to work in digital jobs such as IT skills, online freelancing, image annotation, and English language, thereby giving our beneficiaries the skills that they need to find online (or offline) work.

Al needs humans to help it deal with the complexity of our world



85 Million

jobs will be replaced by machines with AI by the year 2025

but 97 Million

new jobs will be created thanks to AI



One of the jobs of the future created by AI will be a professional human-in-the-loop

Introducing Humans in the Loop

We provide innovative online training and freelance work opportunities to displaced people, to help them secure their livelihoods through the global digital economy







Remote work

Upskilling

Digital work opportunities accessible from anywhere and to anyone

Trainings in English & digital skills to help workers improve their career prospects





Female workforce

Over 1K Workers employed 49%



555 People trained



3–10 EUR Hourly payment



IMEUR Distributed salaries

Services we provide



Dataset collection

Don't have a training dataset yet? We can collect, generate and curate any type of data as close as possible to your use case and deliver a ready-to use dataset

Dataset annotation

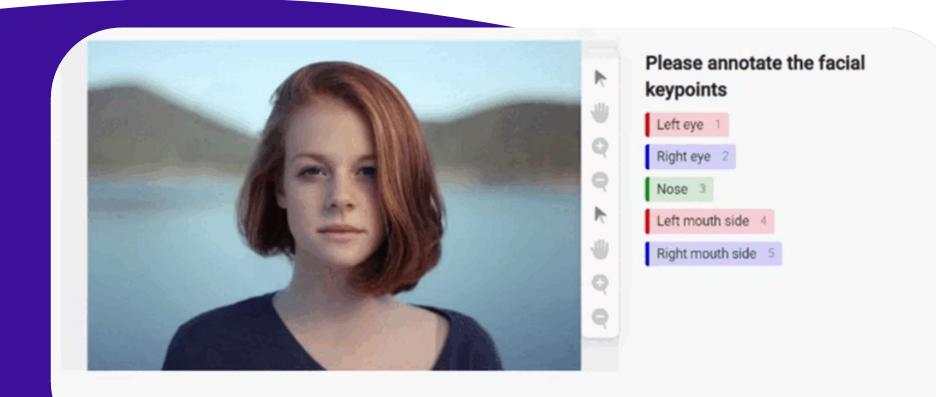
Already have a dataset but it's not annotated? We can help by labeling your assets with bounding boxes, polygons, semantic segmentation and more

Model validation

Have a model which is already trained? We can test the model on new data and correct wrong predictions as well as handle edge cases in real time where certainty is low

The present: annotation of training data

Currently the demand is highest for gold standard human-annotated data which is used in traditional waterfall ML pipelines. But as more companies are adopting an MLOps process and infrastructure, the **need for humans in the AI lifecycle will become much bigger...**



The future: human operators monitoring AI in deployment and handling alerts



| Alert: packaging defect | | |
|-------------------------|---------------------------------------|--|
| D | Does the box have a defect? | |
| | Yes ^[1] | |
| | No ^[2] | |
| | Not enough information ^[3] | |



Integration with the client's existing MLOps systems through webhooks or data streaming in real time

➡ Handling edge cases in high-risk systems

Operators address flagged or low-certainty cases in real time and can prevent harmful decisions of AI systems

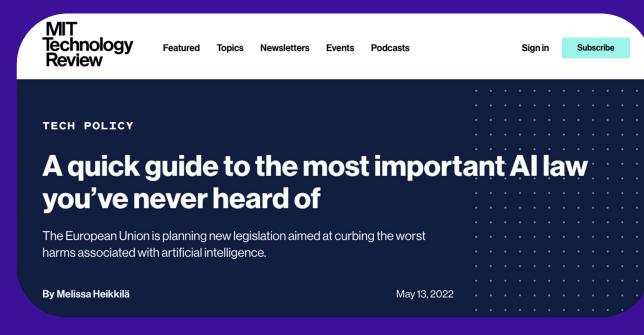
Providing actionable insights

Operators perform error analysis and provide qualitative data on failure modes to help mitigate data and concept drift

Why now? Soon this will be legally required for all high-risk AI systems in the EU



High-risk AI systems (in education, recruitment, surveillance) will be required to have **human operators** who oversee their functioning

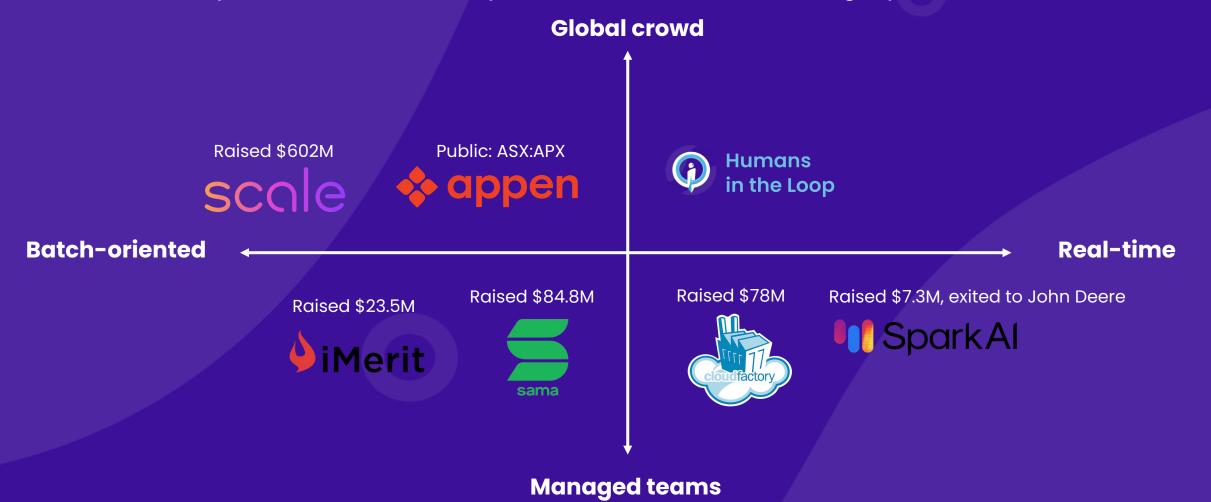


The EU AI Act will come into force starting in 2023, and will publish a registry of all high-risk AI systems in the EU (direct source of leads for us)

Companies will be spending a lot on compliance: the implementation of the EU AI Act will cost **450k USD** per company per high-risk AI system (source)

Our advantage: real-time, 24/7, global

We focus on **real-time** human-in-the-loop with **24/7 availability** and **global teams** representative of many different locations, demographics, and cultures



Specialized teams

For each client, we work with a dedicated team which receives project-specific training. This helps us ensure consistency in the interpretation of the data and a deep understanding of each client's dataset, taxonomy, and tools













Medical

- Radiology
- Ultrasound
- Robotic Surgery
- Cardiology
- Gastroenterology

Geospatial

Drones Satellite imagery Infrared imagery SAR

Natural disasters

Automotive

- •Self-driving cars
- •Delivery robots
- Insurance
- Damage analysisTraffic monitoring

Industrial

- Manufacturing
- Recycling
- Logistics
- Construction
- PPE detection

I Agriculture

•Precise farming

- •Weed detection
- •Plant counting
- Disease detection
- •Soil analysis

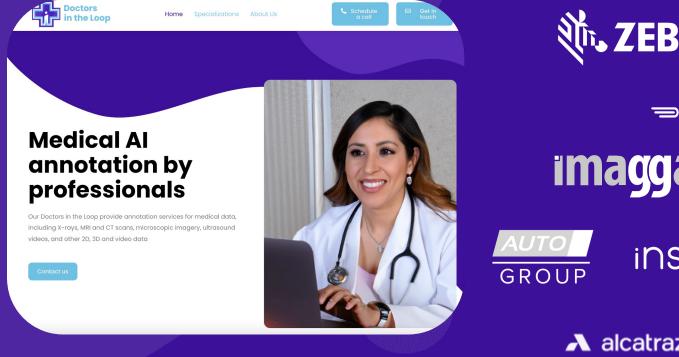
Retail •E-commerce

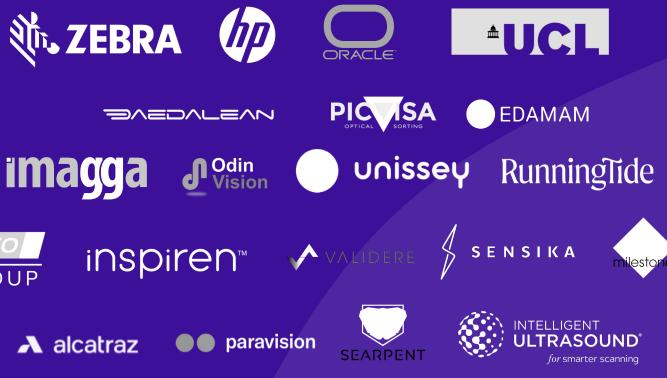
- Fashion
- Smart cartsShelf monitoring
- Buyer tracking

Serving more than 100 AI companies

A new brand for medical AI

Our customers





Expanding globally to impact 10k people by 2033



How it works: the user journey









We partner with established nonprofits in the countries where we operate in order to reach those who need most help

PDP Personal development plan

Beneficiaries are onboarded and are given a personal consultation to map their skills and needs and the milestones they need to achieve **Training** Through our foundation

We provide trainings in annotation skills and freelancing, as well as English, computer literacy, IT skills, and access to 100+ online courses

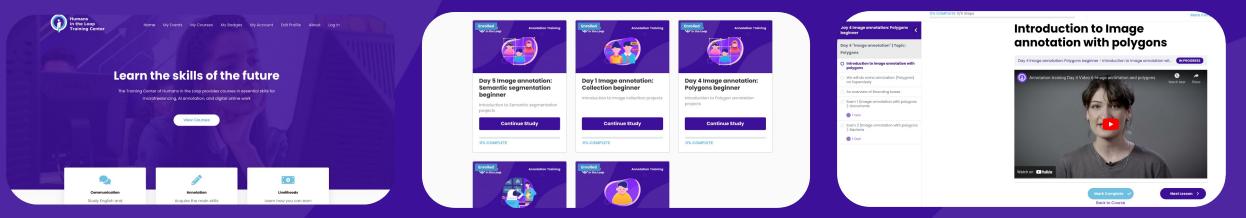


Paid work Through our company

Beneficiaries work as remote digital freelancers on easy projects for data annotation and realtime monitoring for Al systems

Upskilling to enable professional growth

Through our proprietary training platform, we offer a variety of online trainings related to annotation skills, working online as a freelancer, ethical AI, and other topics. Through our partnership with GoSkills, we are able to give beneficiaries access to 100+ online courses in IT, Excel, and soft skills which will be relevant to their future professional development.



In addition, we regularly organize live instructor-led trainings, either in-person or online, including: 1. HITL Stars: English and computer skills 2. HITL Teenagers: Introduction to IT for teens 3. HITL Business Stars: IT skills for entrepreneurs



Our Management Team





Iva CEO European Young Leader, Forbes 30 Under 30 social impact

CTO 6+ years of experience in Data science and Machine Learning

Ivan



Tess COO 20+ years of Operations management in

BPO sector



Gary CCO

10+ years in IT product sales and business development



Hester CIO

10+ years in education, career development, and vulnerable groups

WOMFN

PRIZE

INOVATORS

European Young Leaders IIII SOLVE SO ANDAN The Global Citizens Alliance









No matter the trend or technology. We keep Al human

Questions and Insights

Thank you

Get in touch: tess@humansintheloop.org hello@humansintheloop.org