

What is needed to industrialise deep learning?



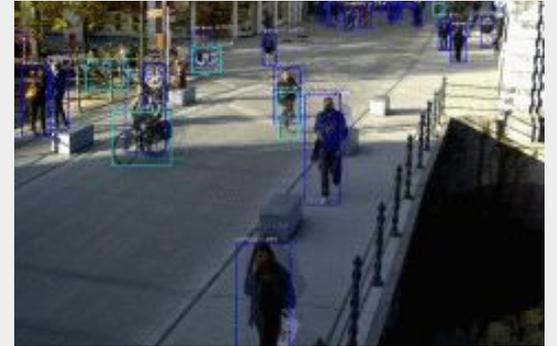
AGRICULTURE



MANUFACTURING/PROCESSING



SECURITY/SURVEILLANCE/ SMART CITY



WHAT IS ARTIFICIAL INTELLIGENCE?

PROBLEM

- Intuitive knowledge is hardly transferable. Building an intelligent agent through explicit hardcoding of insights is unmanageable.

SOLUTION

- A.I. is machine intelligence gathered by experience, without explicitly programming where to look.

THIS IS ACHIEVED THROUGH DEEP LEARNING

STATUS CHECK



THE NEAR PAST

'Smart' systems that conquer very specific tasks through predefined rules.

THE NOW

Deep Learning (DL) can provide AI to conquer tasks that take humans <1s, all through self-learning.

THE FUTURE

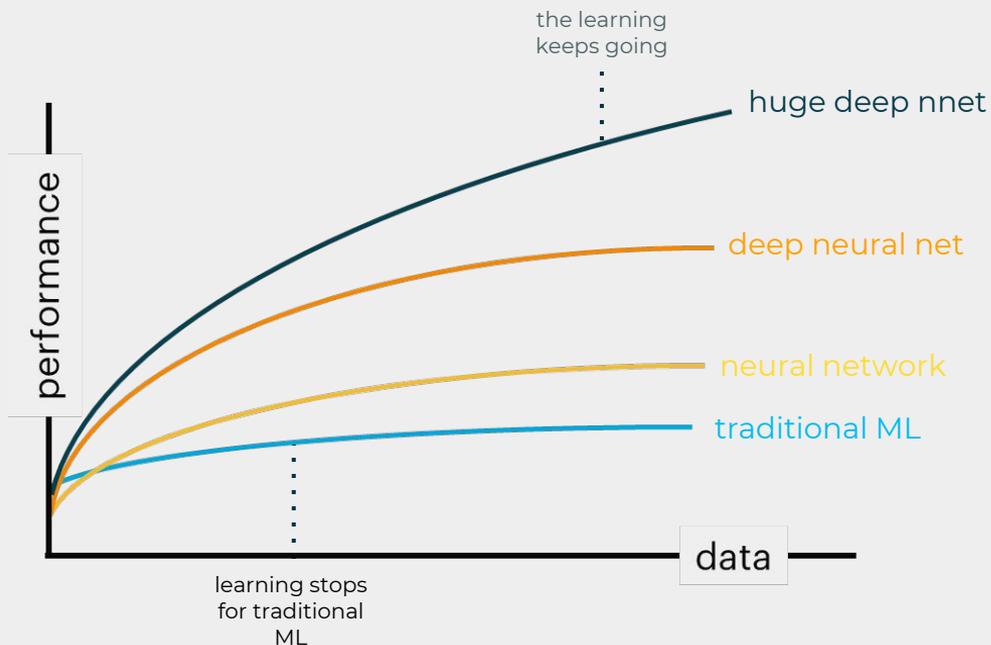
DL with better unsupervised learning capabilities.

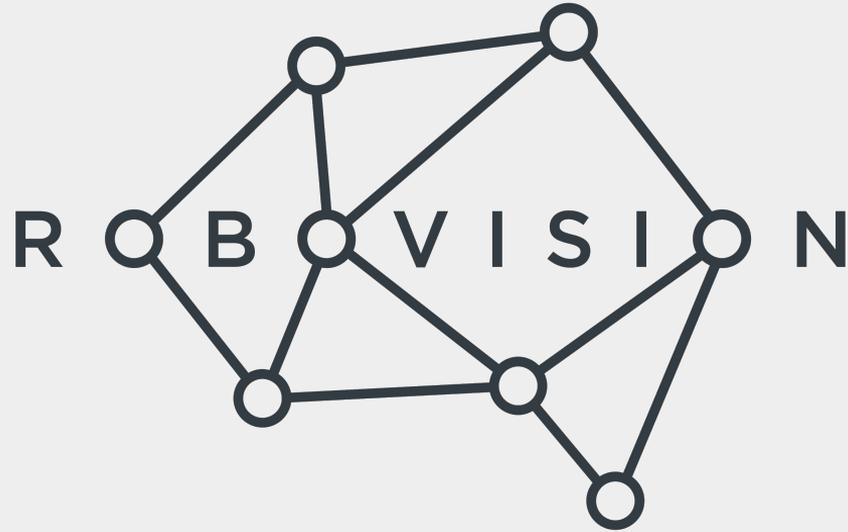
Tackling LT tactical and strategic problems with Reinforcement Learning.

WHY IS AI FINALLY TAKING OFF?

THE NOW

- democratization of AI **skills**
- **data** to train and fuel AI is more accessible
- high performance **computing power** is more readily available





What challenge are we trying to solve?

THEORY IS EASY, PRACTICE IS ... SOMETHING ELSE

In the **best** scenario ...

You have the people

You collected the data

You invested in processing power

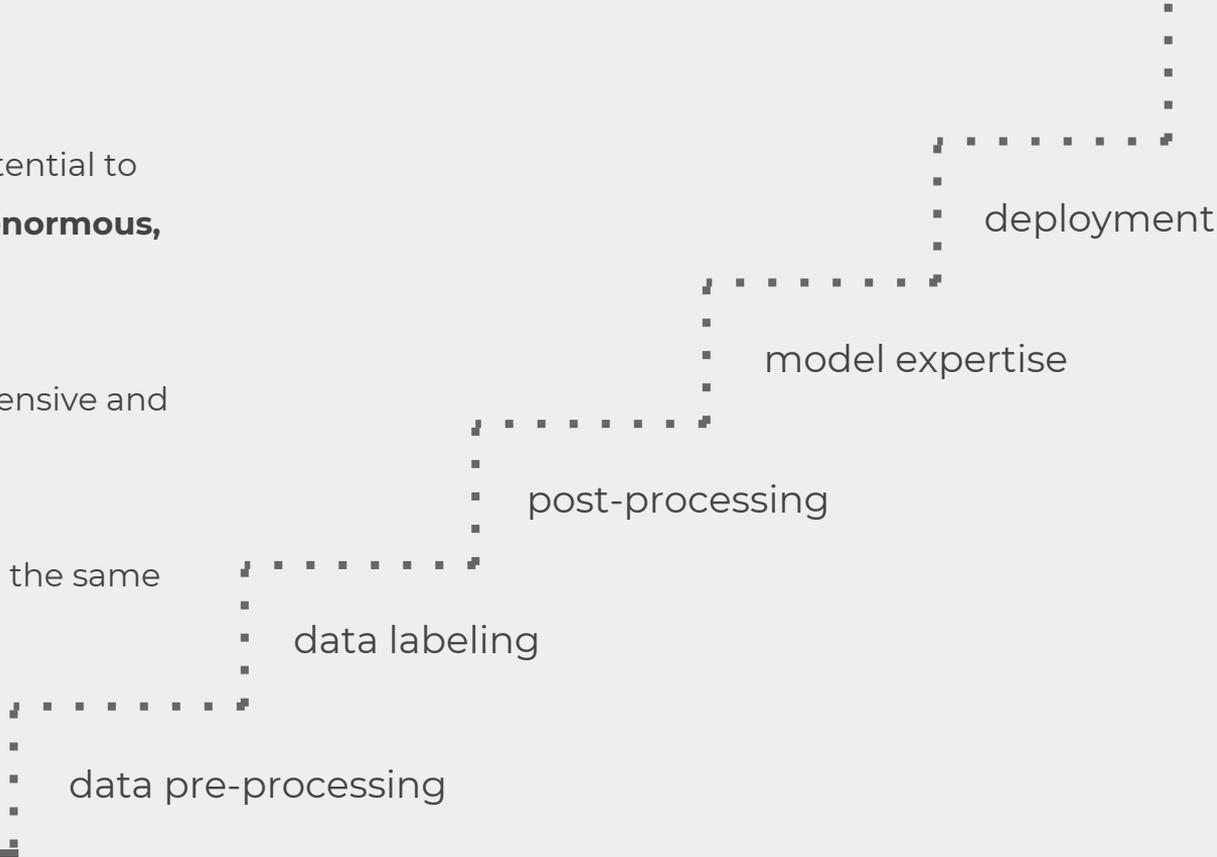


Yet, AI solutions still seem very far away.

Deep Learning has an unbelievable potential to induce intelligence, but it requires an **enormous, manual (!) data preparation effort.**

It makes your AI investments slow, expensive and unsuccessful.

Moreover, **every AI team** goes through the same pain.

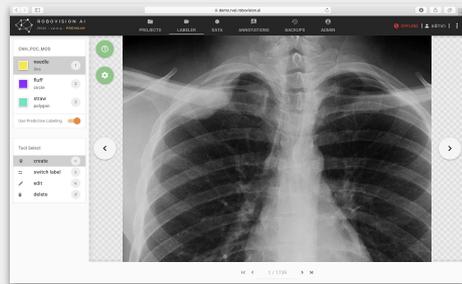
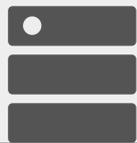


THE PLATFORM APPROACH | to level the playing field

In **our proposed** scenario ...

Everyone in your organisation can define, train and deploy AI models.

You can **choose your own level of involvement** and **expertise**.



THE PLATFORM APPROACH | to level the playing field

Get started! Load your data, crowdsource the labeling effort through RVAI to get 1,000s of qualitative images in just days, train a model by one single click and connect your systems to the model API. ***And maybe you can even make a buck off the back of your models.***



WE HELPED one of our first clients to incite intelligence in a cutting planter.

Since 2011 they have been using RVAI to label new types of plants and to train new models for their machines in production.

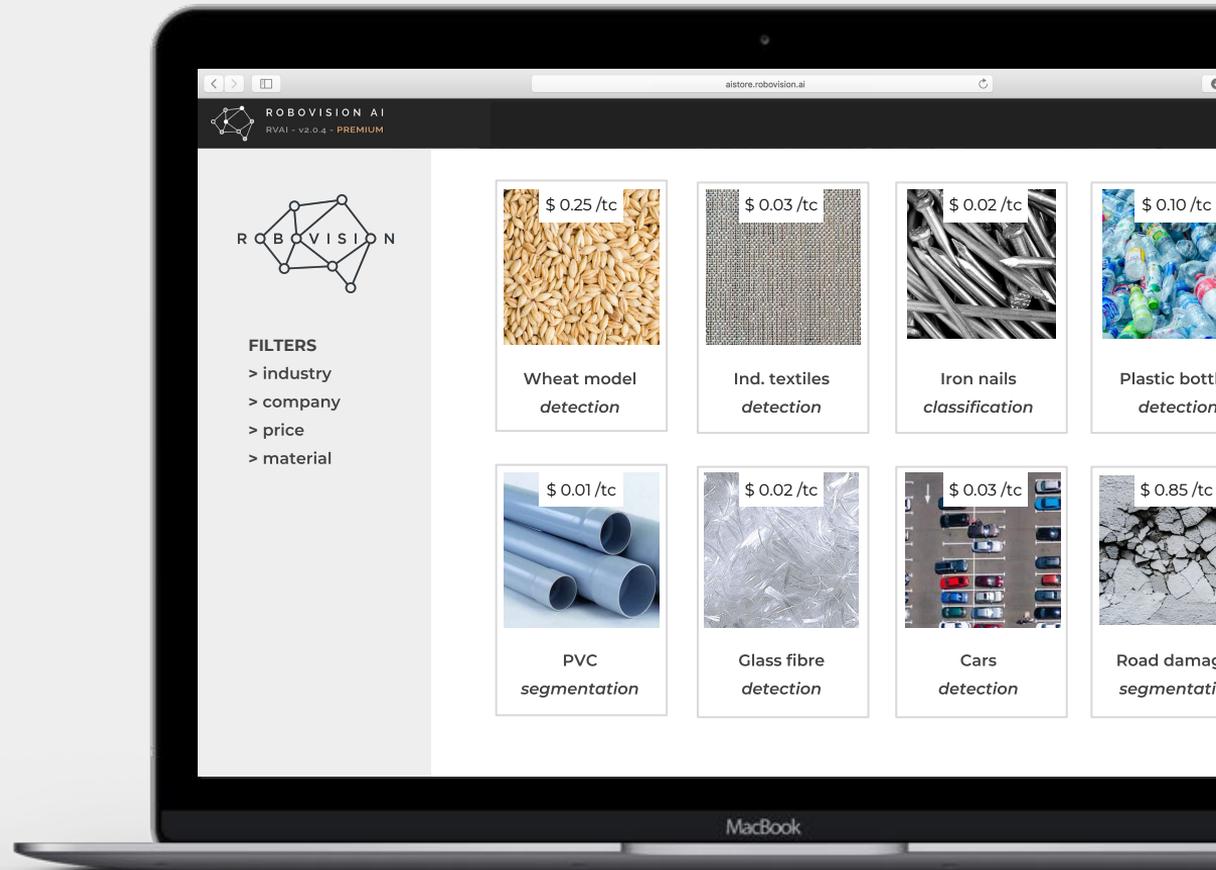
Moreover, they misused the tool's export functionality to download and sell their models.



SO WHY NOT HELP THEM WHILE THEY'RE AT IT?

AISTORE

Our vision of the future of AI





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Thank you.