

mimic

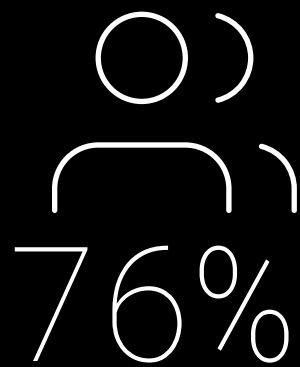
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Zurich, Switzerland



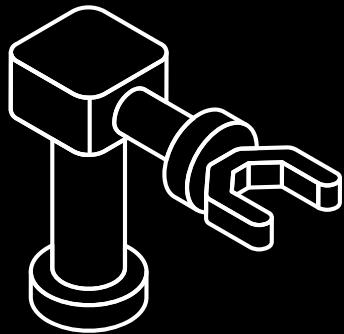
Problem – Elementary Worker Shortage

(Almost) nobody likes tedious and repetitive tasks



76% of companies in supply chain & logistics suffer from notable labor shortage.

Tedious tasks have high workers turnover.



Traditional robot designs are restricted to cage environments for repetitive tasks.

Task specific automation is unsuitable for complex tasks in human-shared spaces.

*<https://cargoon.eu/en/community/blog/market-review/75-of-logistics-operators-suffering-from-labour-shortages/>
<https://www.laceupsolutions.com/warehouse-labor-shortages-how-wms-help-addressing-workforce-challenges/>

Our Solution

First-of-its-kind **humanoid robotic hand** bringing an universal plug-and-play solution to **learn and automate** the most complex and tedious **manual labor tasks**.

Meet the Robot...

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New and efficient hardware combined with existing cobots

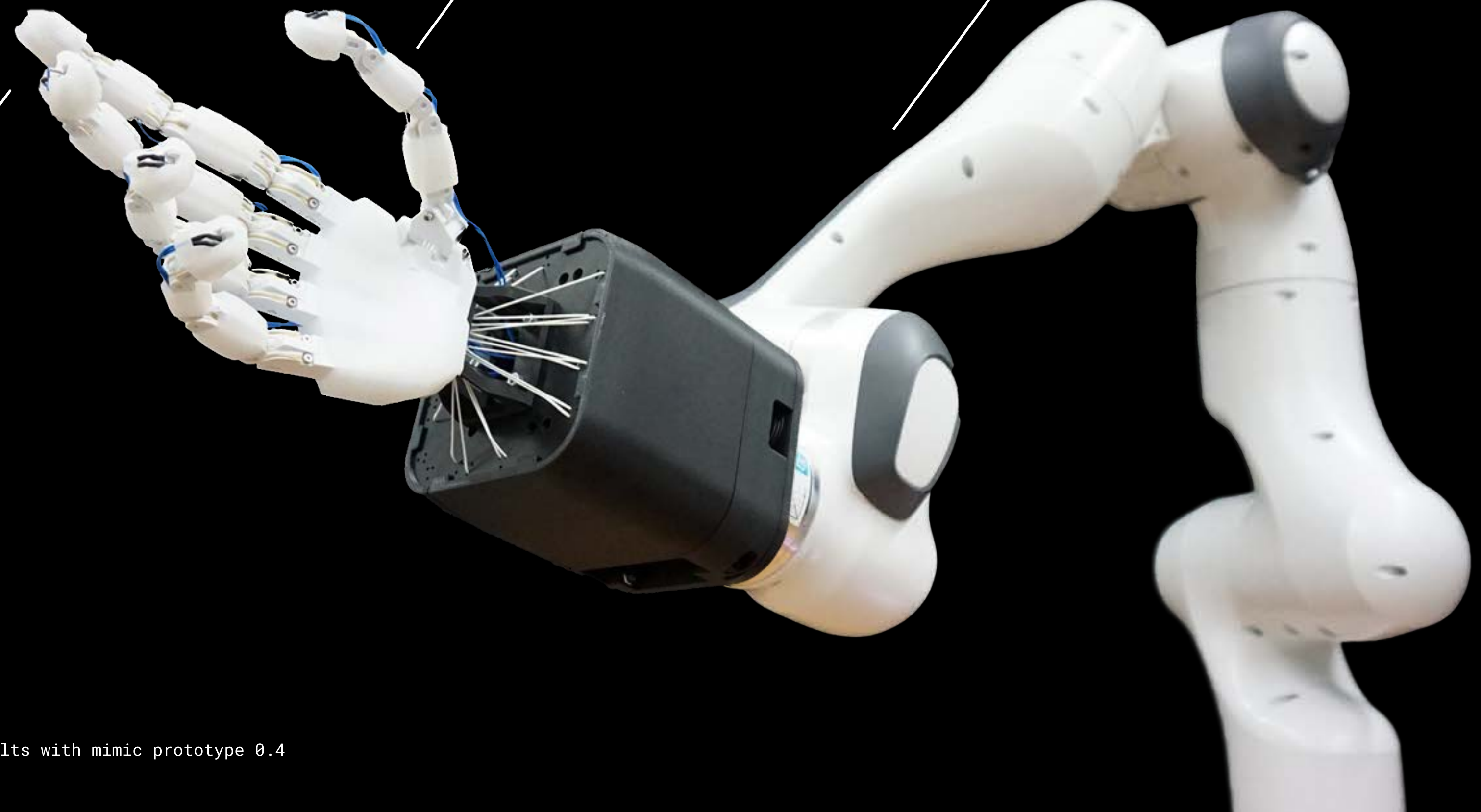
2 patents*

Multiple patents pending and further patent strategy laid out

High payload of 7 kg
Lightweight at 1 kg*

Compatible with
different co-bots

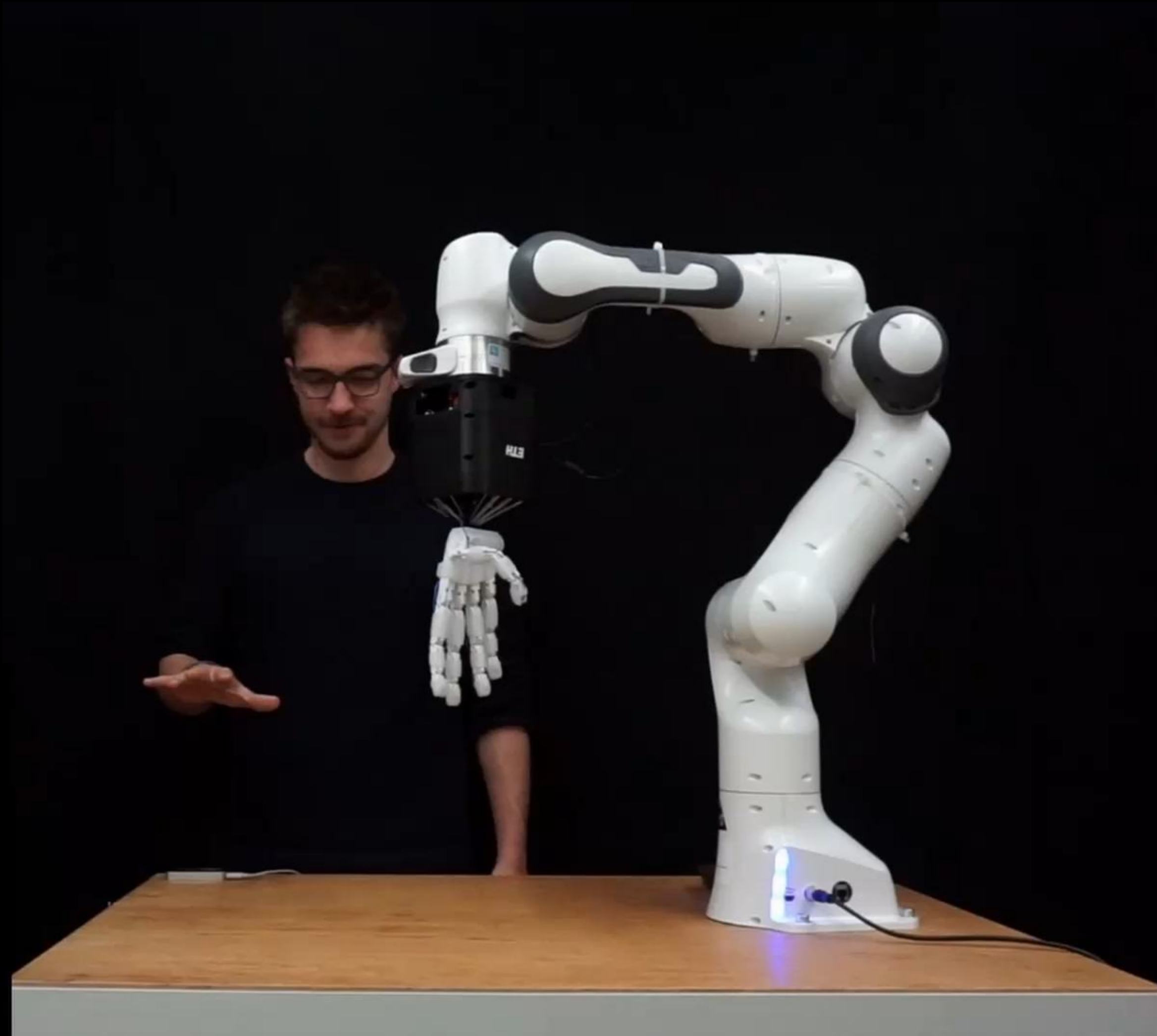
Certified for operation in
human-shared environments



... Powered by Imitation Learning

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Robotic foundation models trained on human datasets



We train frontier models for robotic manipulation, powered by imitation learning:

1. Large scale training of transformer manipulation model using custom video data sets (high quantity, low quality)
2. Collection of on-site human demonstrations at small-scale (small quantity, high quality)
3. Autonomous completion of tasks

Customer Traction

Key industry players interest & first customer pilots

Finished research pilot projects



„The need for a hand is very real!“



Postdoc @ ETH RSL
Pilot project completed



„Looks good! This can help us improve the manipulation skills in nursing homes“



CTO @ F&P Robotics
Pilot project completed

Confirmed pilot projects



Local Zurich-based coffee shop using Porta-Filter machine

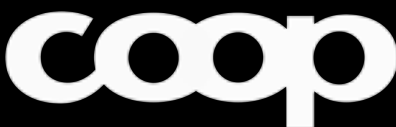
Pilot project: October 2024

Selected pilot projects in discussion



digitec.ch

Pick & Place of small to medium sized items in logistics



Handling of bakery goods



Ingredient preparation, food handling and portioning

International supermarket chain

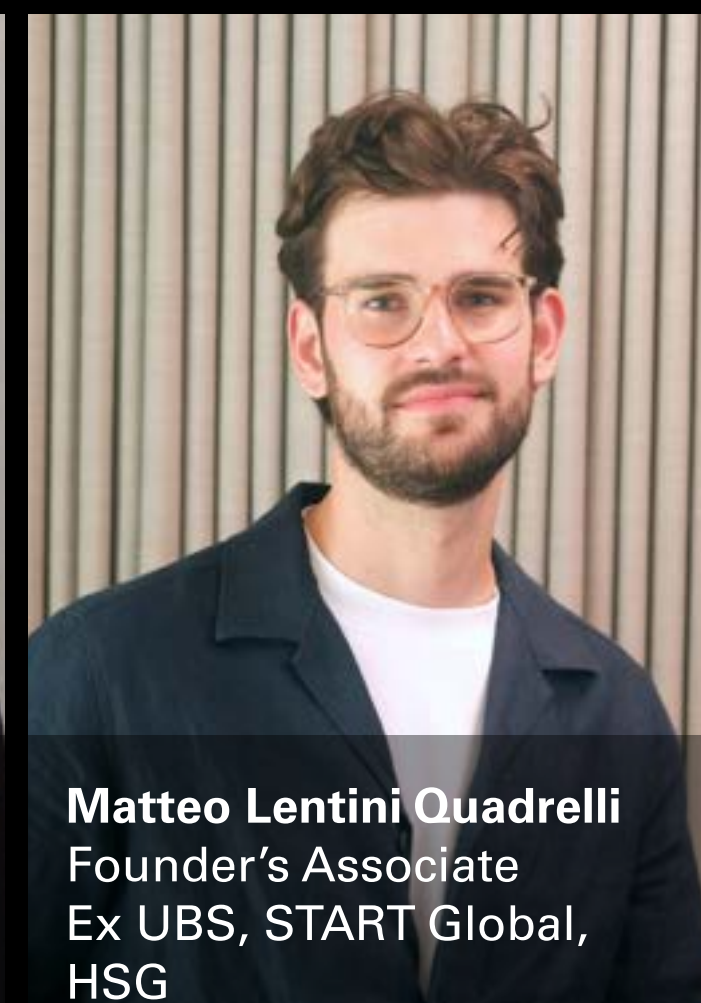
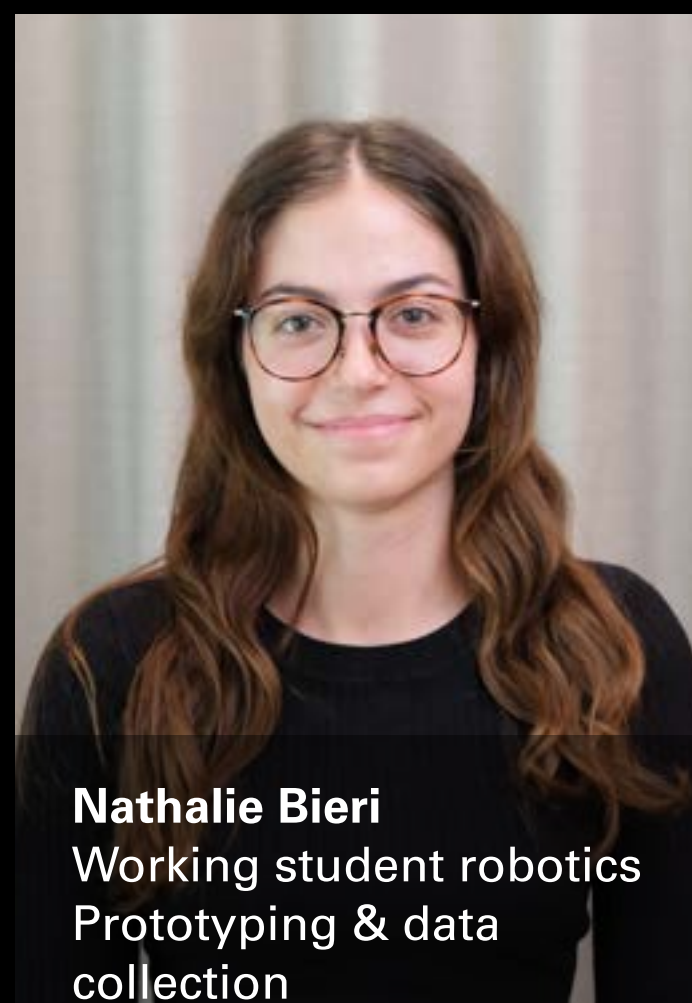
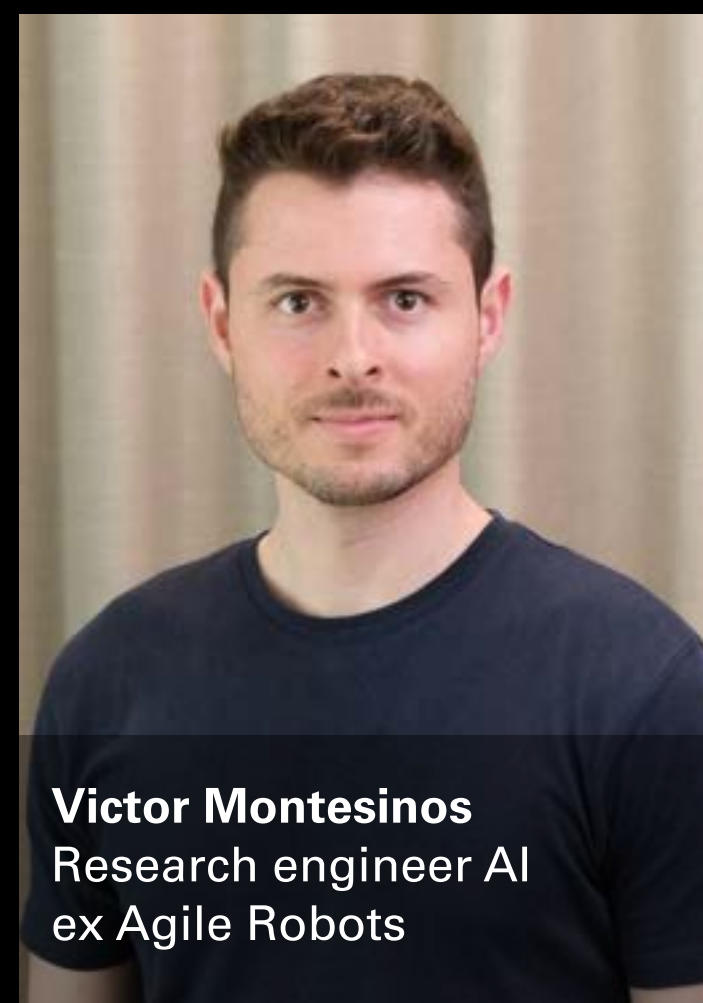
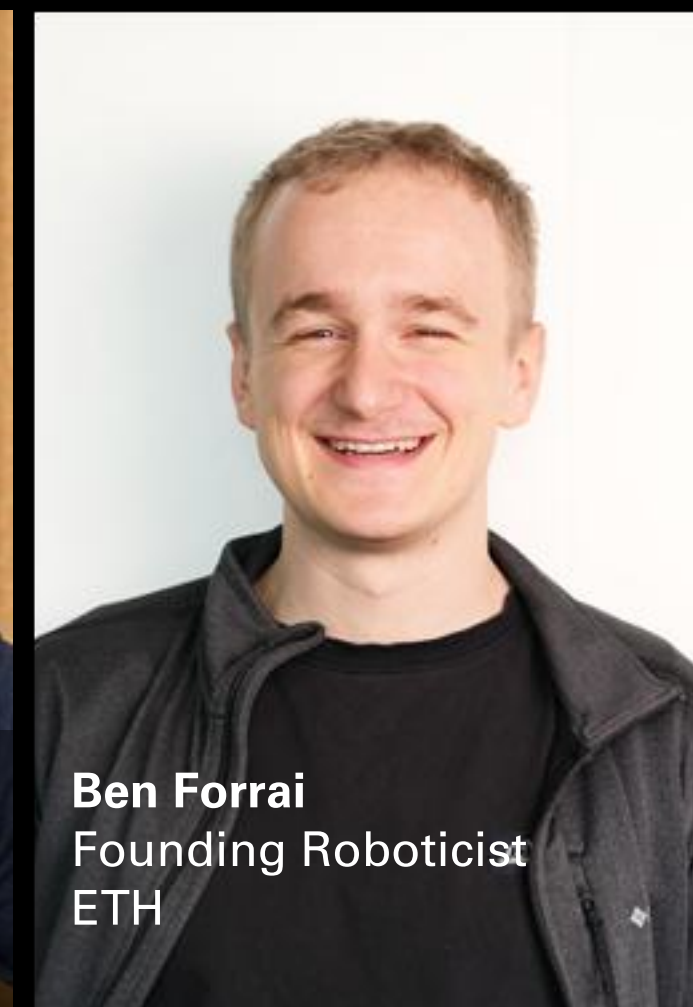
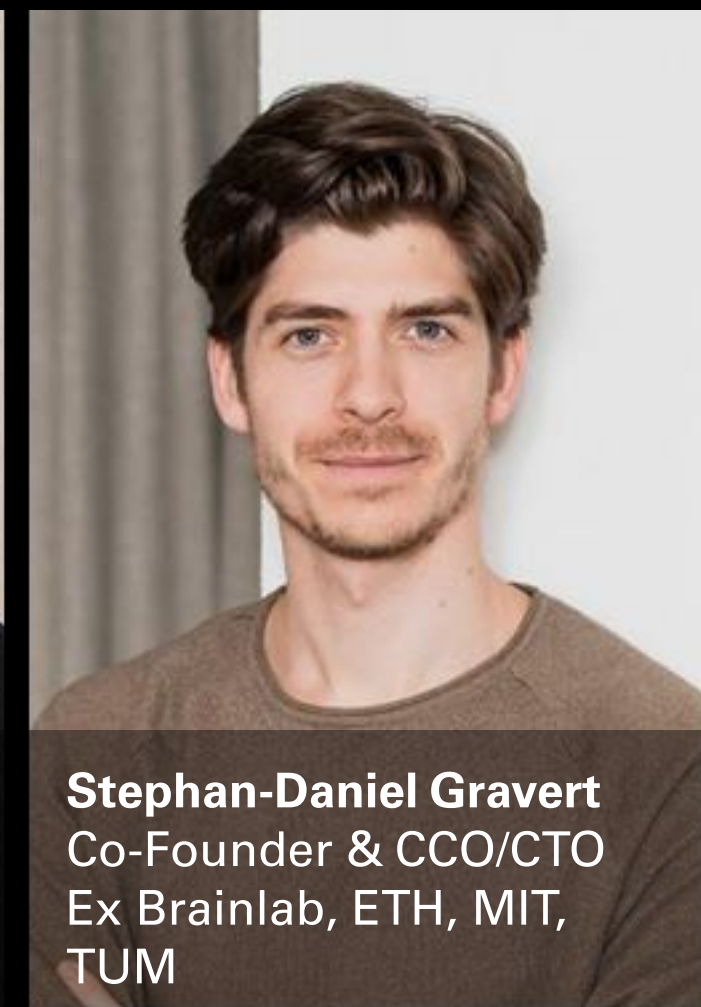
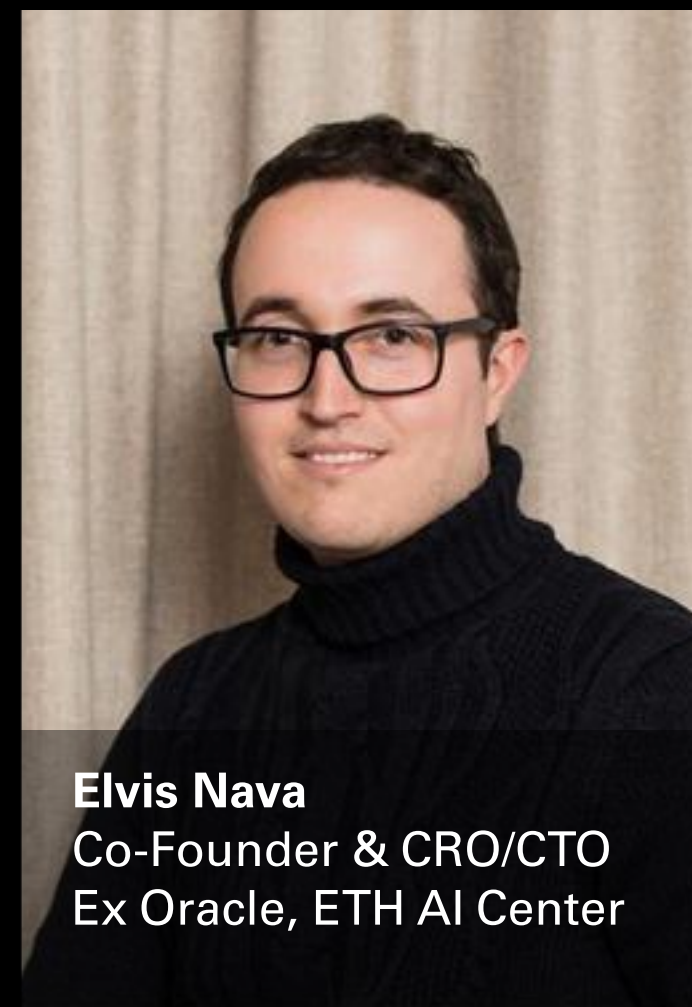
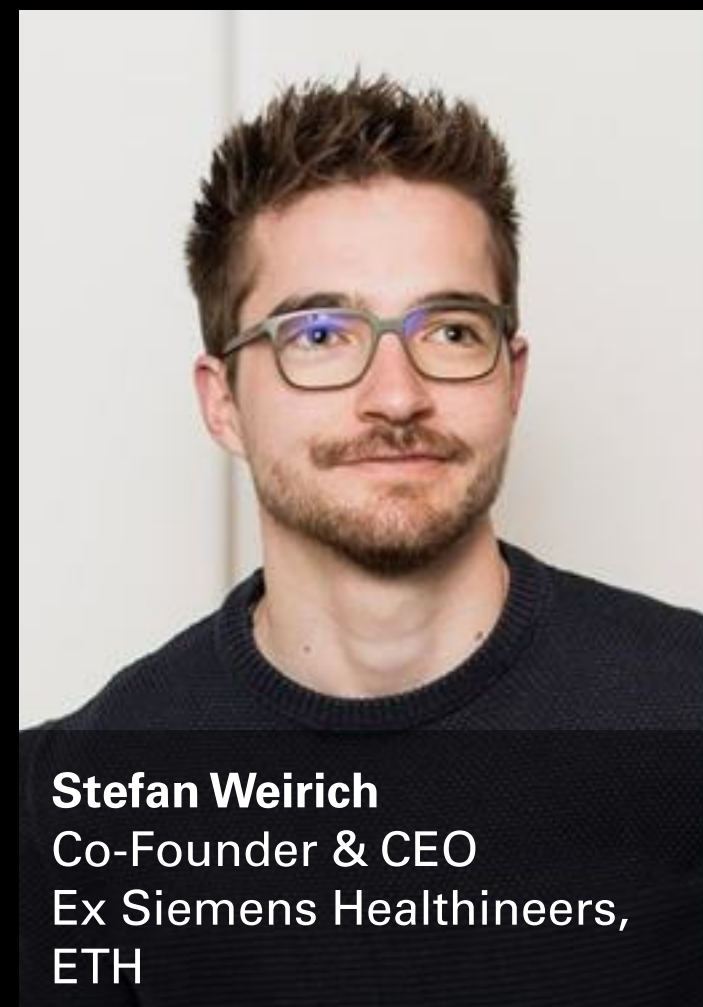
Bottle sorting and stocking shelves

Pilot projects: planned for Q4 2024

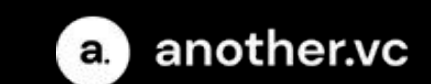
Meet the Team...

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Our team combines expertise across cutting-edge AI research and engineering disciplines, as well as business strategy



Supported by



Technology Partners /
AI credits



