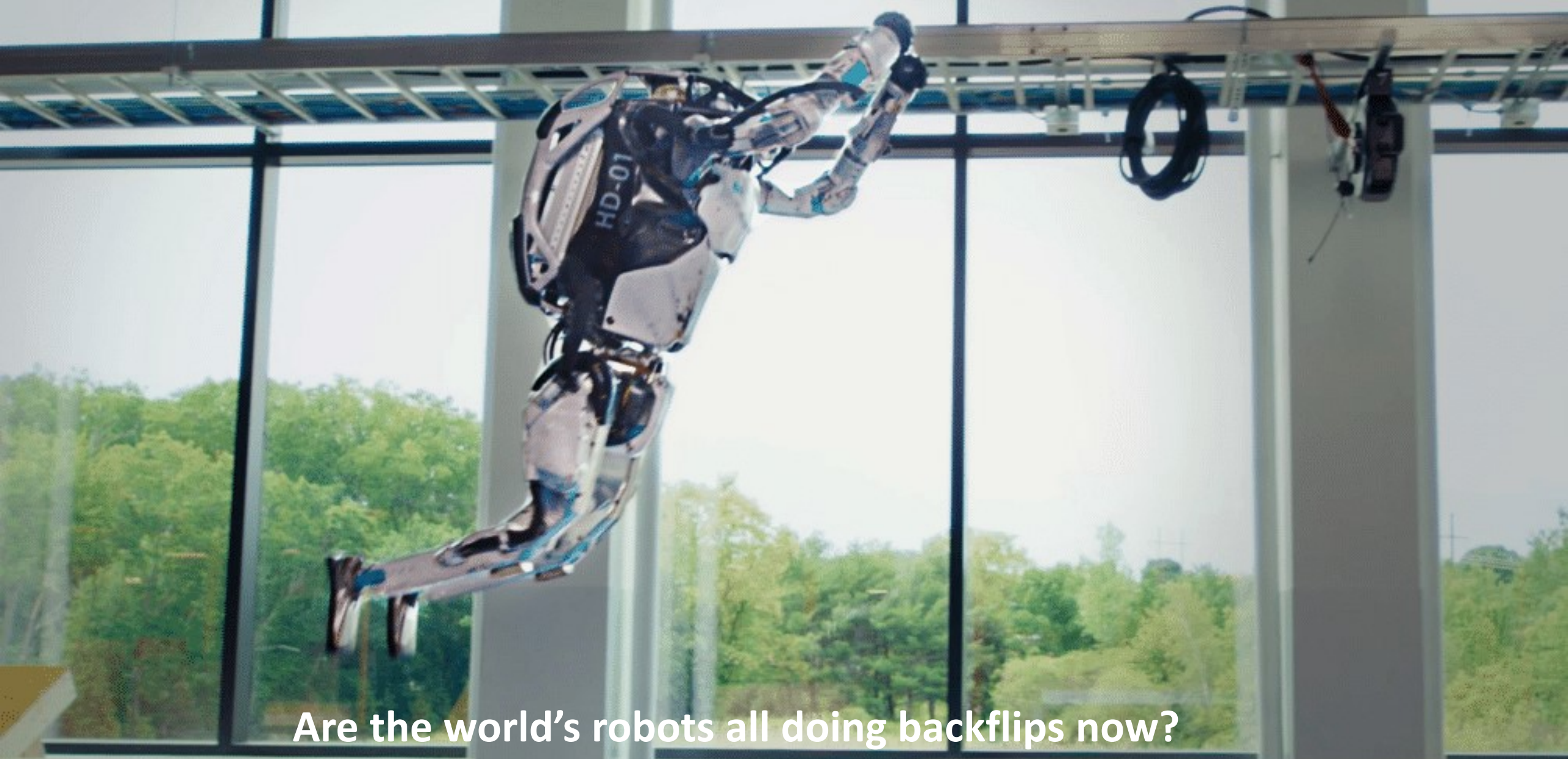


GLOBAL SUMMIT OF WOMEN - 9 MAY 2024, MADRID

# Advancing Society with Robotics and AI

Andie Zhang – ABB Robotics



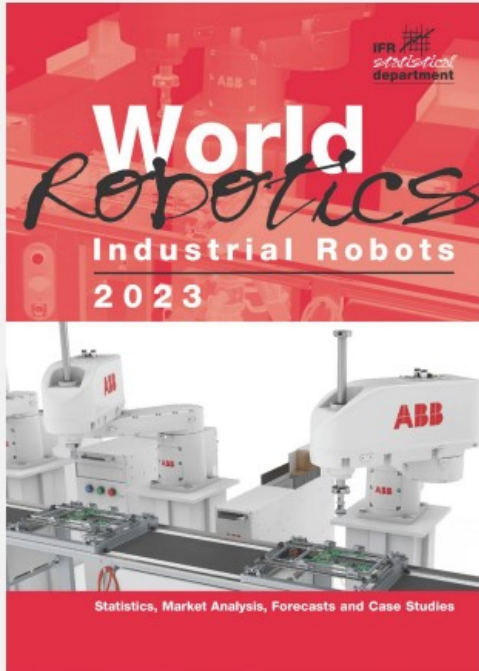
Are the world's robots all doing backflips now?

This is the humanoid robot Atlas from Boston Dynamics, not available for sale

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# Record Number of Industrial Robots Installed Last Year



## 2022: Growing from a high basis

- Second record year in a row

## New robots

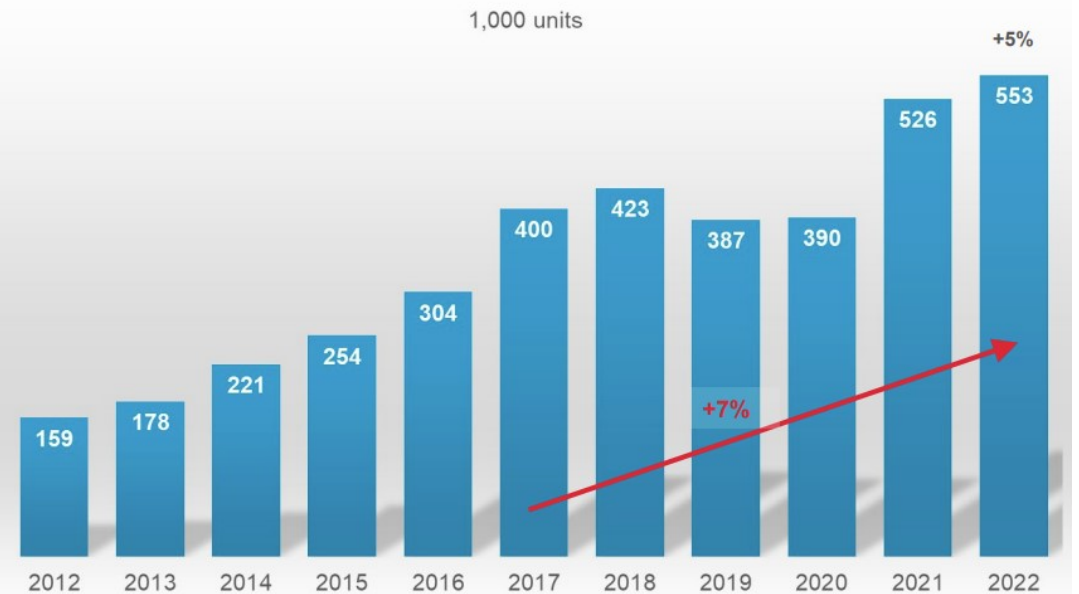
- 553,000 units (+5%)
- CAGR 2017-2022: +7%

## Robot stock

- 3.9 million units (+12%)
- CAGR 2017-2022: +13%

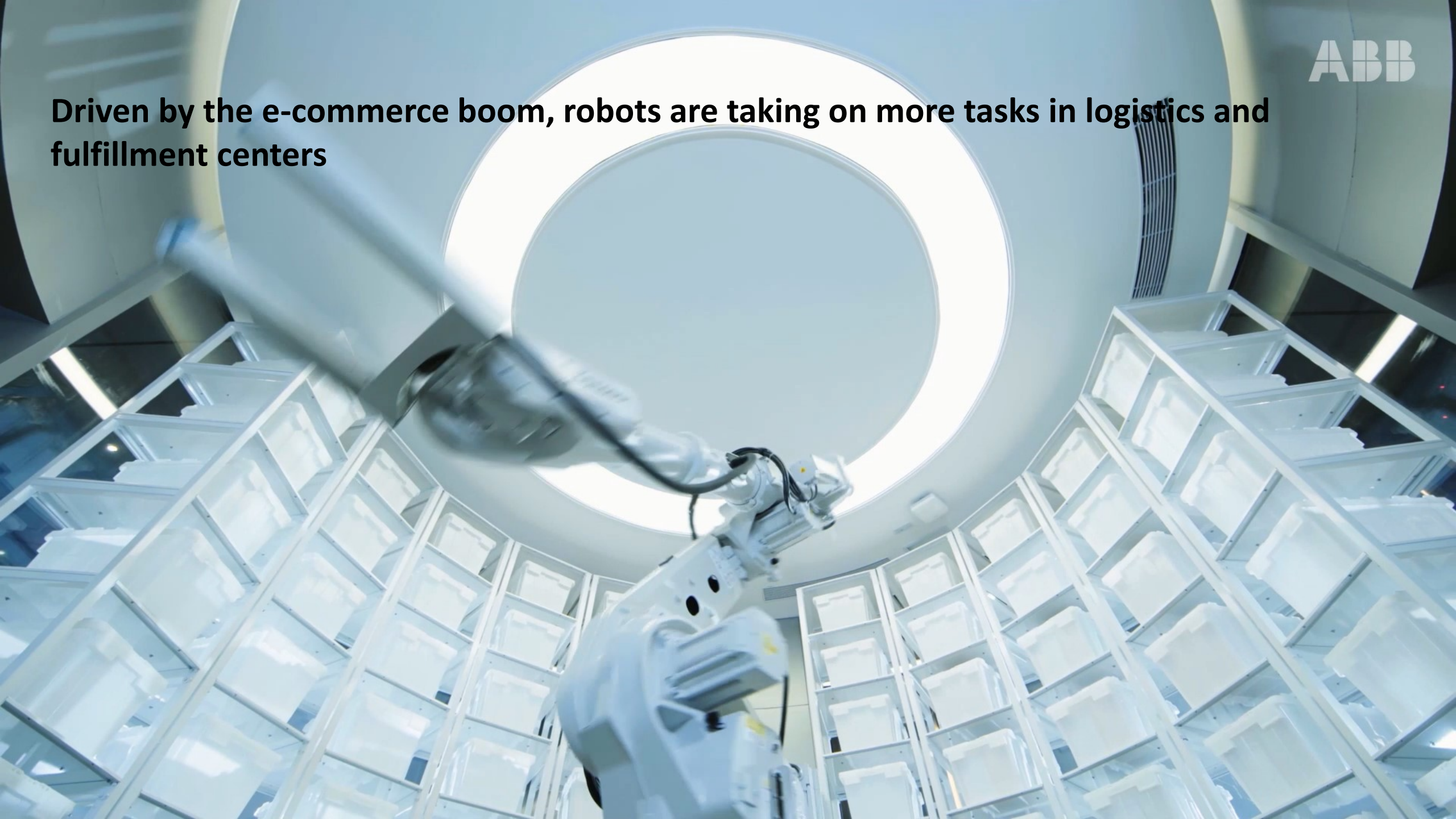
World record of 500,000 units exceeded

## Annual installations of industrial robots - World



Source: World Robotics 2023

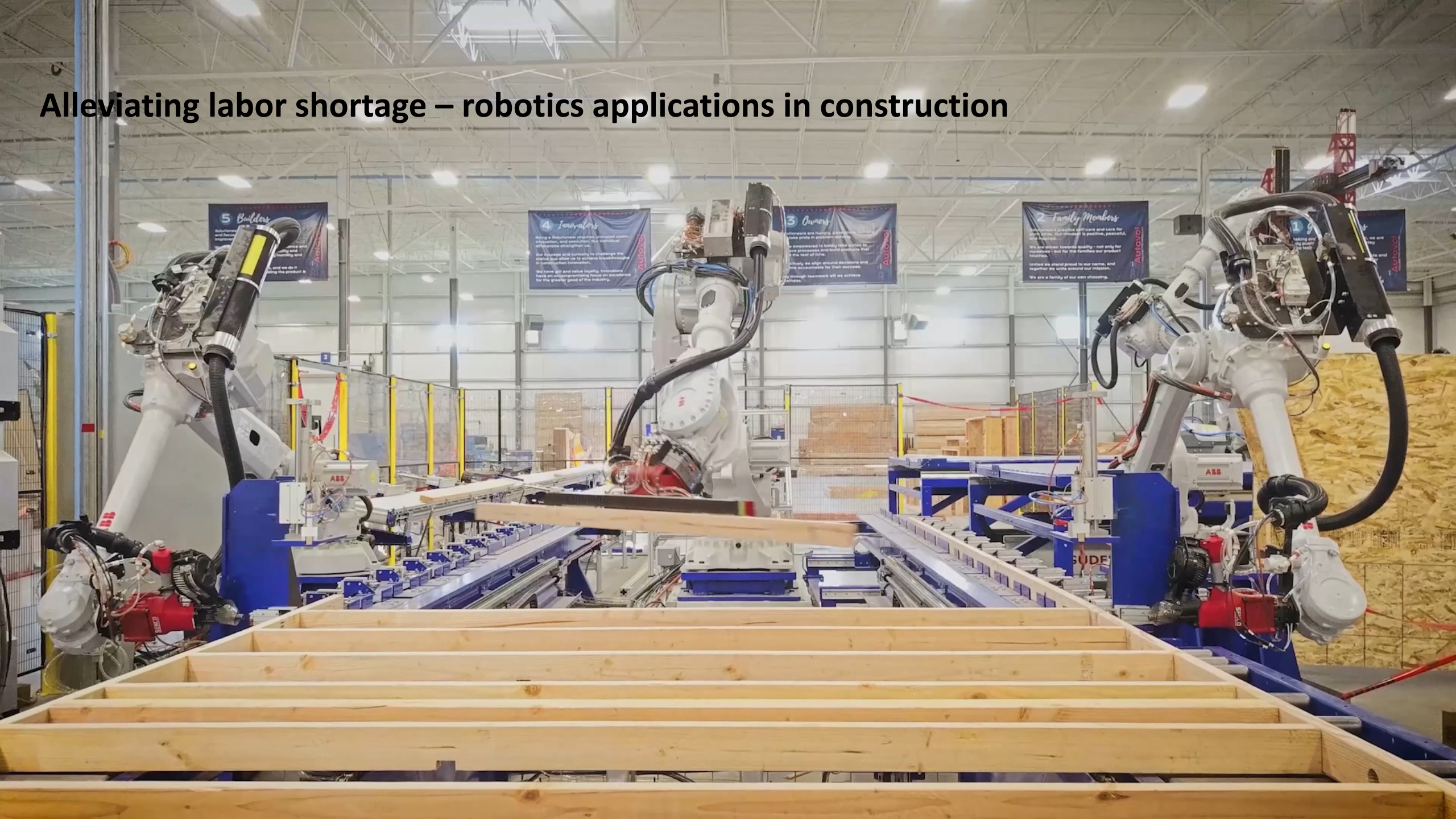
**Driven by the e-commerce boom, robots are taking on more tasks in logistics and fulfillment centers**



# Mega-trends drive robotics and automation growth



# Alleviating labor shortage – robotics applications in construction



**5 Builders**  
Multi-functional design, precision, and safety are the hallmarks of our products. Our advanced engineering and manufacturing processes ensure that every component is built to last.

**4 Innovators**  
We have built and value legacy. Innovation is our strength. Our advanced engineering and manufacturing processes ensure that every component is built to last.

**3 Owners**  
We are a family of our own choosing. Our advanced engineering and manufacturing processes ensure that every component is built to last.

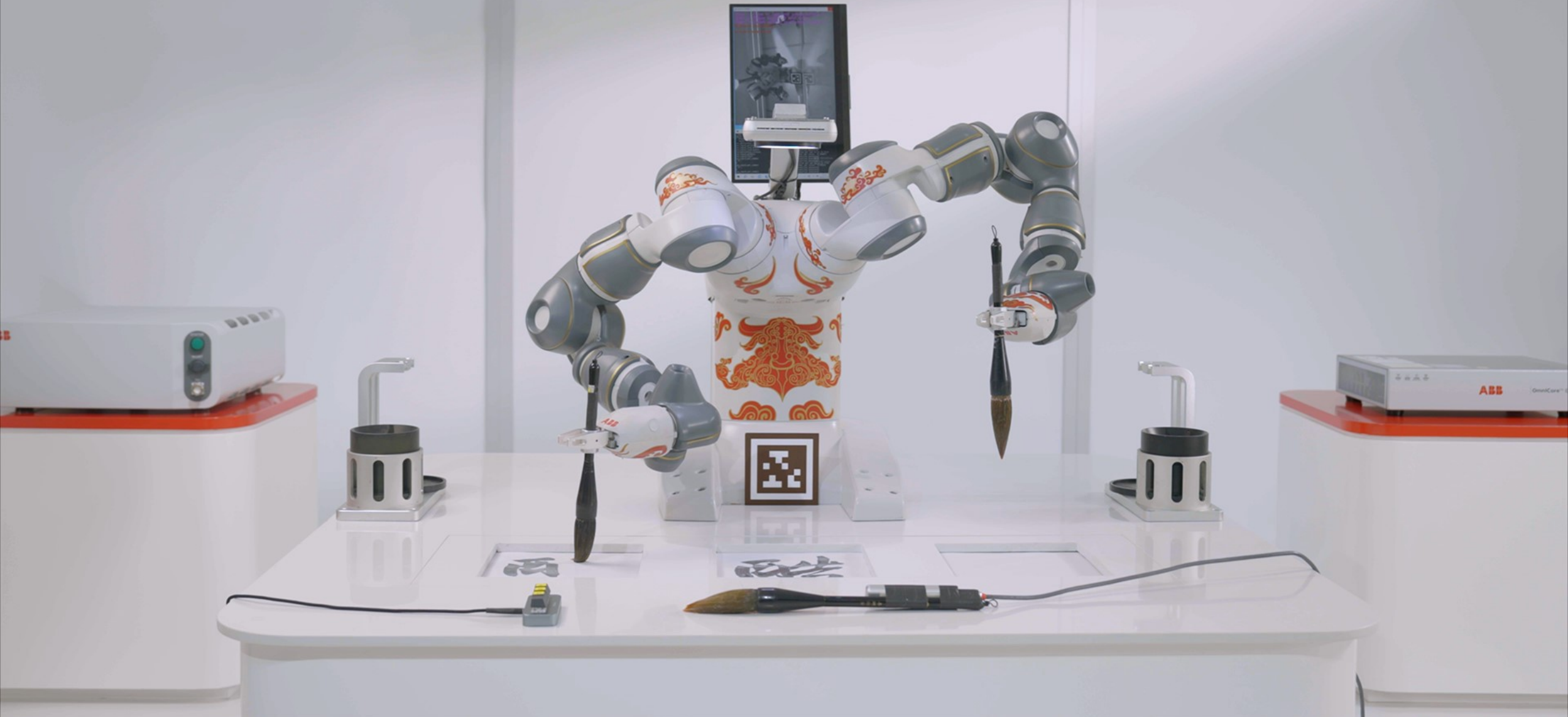
**2 Family Members**  
We are a family of our own choosing. Our advanced engineering and manufacturing processes ensure that every component is built to last.

**1**  
We are a family of our own choosing. Our advanced engineering and manufacturing processes ensure that every component is built to last.




**AI-enabled**

## Vision and AI-Enabled Self Optimization





A man with a beard is seen from behind, sitting cross-legged in a small boat on a wide river. He is wearing a dark t-shirt with a logo that says 'JUNGLEKEEPERS' and a tree-like graphic. The river is surrounded by dense green forest on both banks. The sky is overcast with soft, diffused light. The water is calm and reflects the surrounding environment.

Junglekeepers works in Peru.



**Robotics can help advance society and build a more sustainable future**

**AABB**