

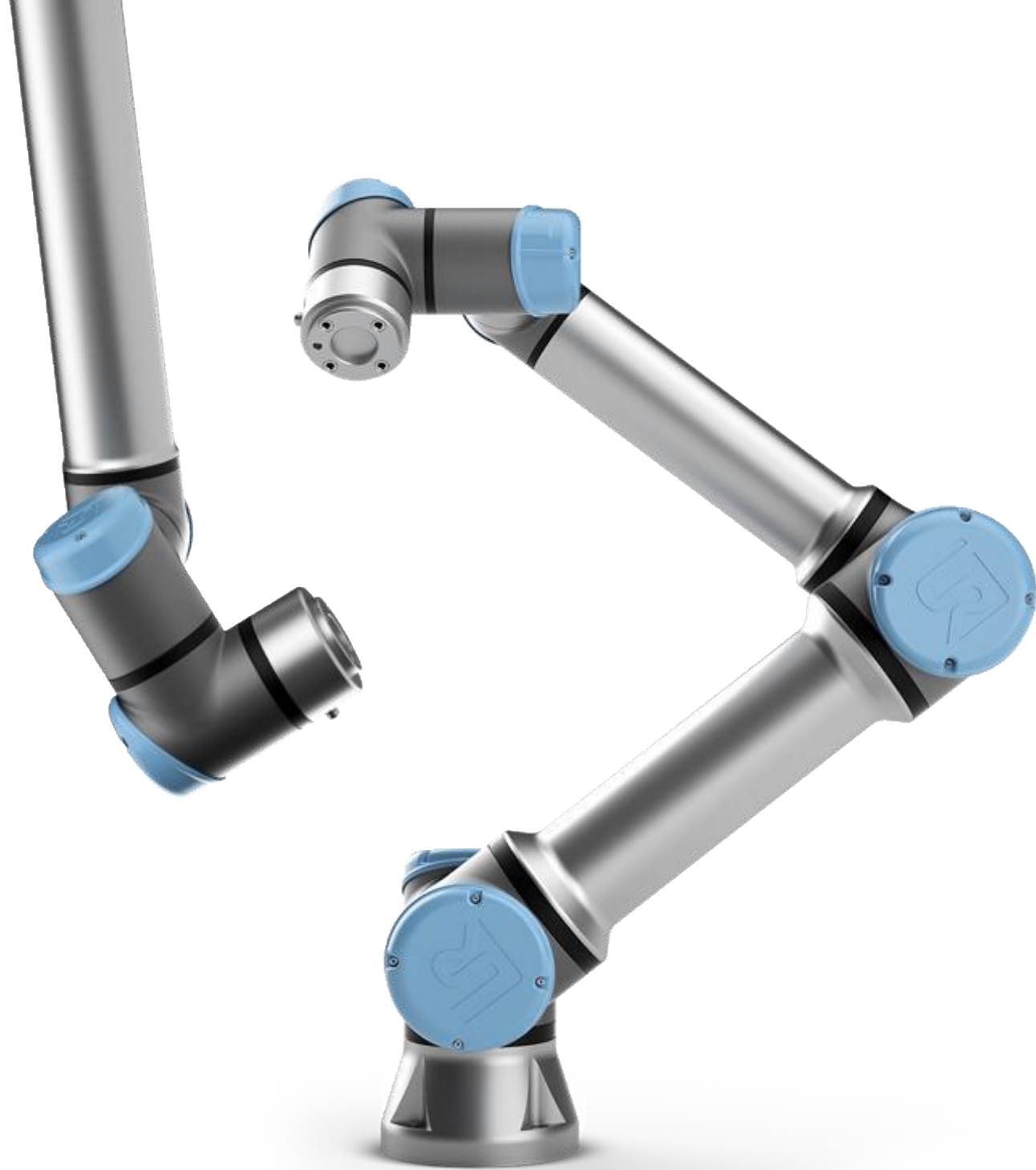


Welcome to our presentation

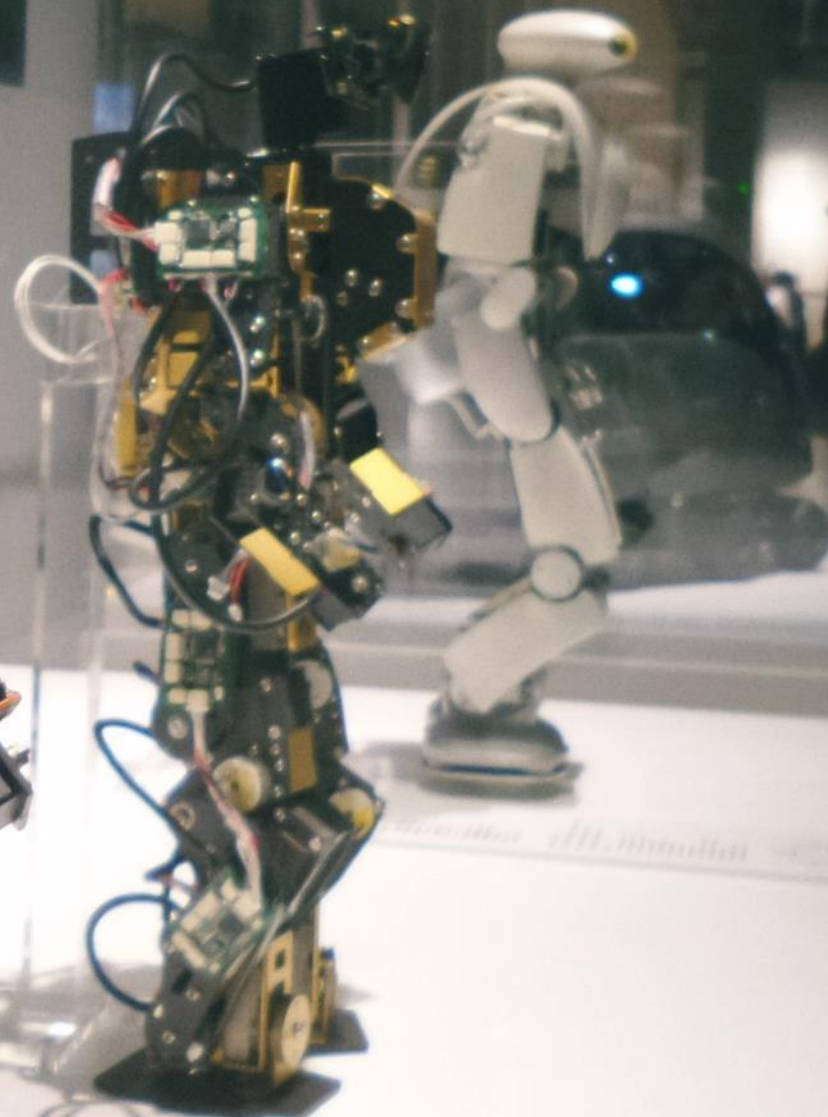
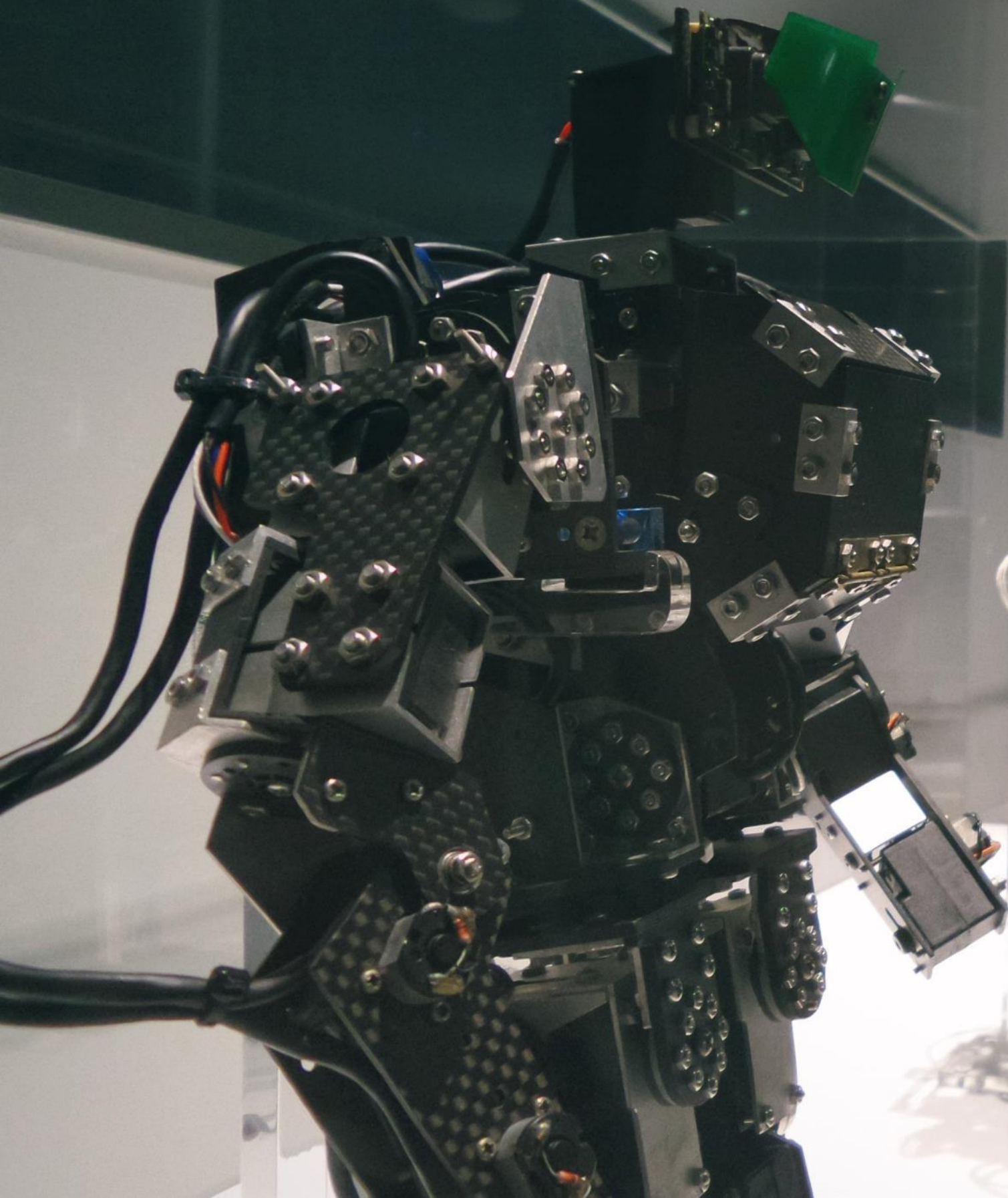
COBOTS THAT LEARN FROM HUMANS: PRACTICAL AI SOLUTIONS FOR INDUSTRY

AGENDA

1. Introduction to artificial intelligence & robotics
How intelligent are cobots already?
2. Live demonstration of an AI system
How cobots operate with artificial intelligence
3. Q&A session
Time for your questions and comments

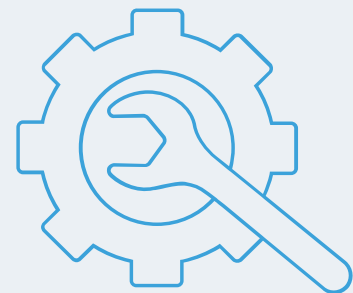


THE HISTORY OF ROBOTICS

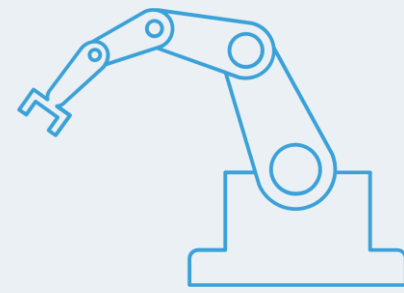


AUTOMATION OVER TIME

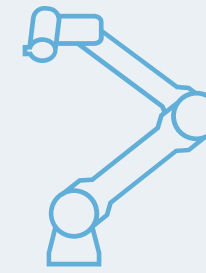
CONVENTIONAL
INDUSTRIAL SYSTEMS



TRADITIONAL
ROBOTICS



COLLABORATIVE
ROBOTICS



INDUSTRIAL ROBOTS

Fixed installation



Large footprint



Separate spaces



Complicated set-up

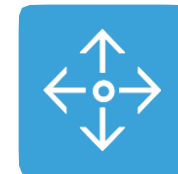


V S.

COBOTS



Flexible & mobile



Small footprint



Collaboration & shared spaces

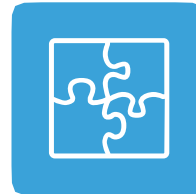


Fast set-up



REQUIREMENTS FOR AUTOMATION

Robots do jobs...



... whose geometry is fully understood.



... that require identical operations every time.

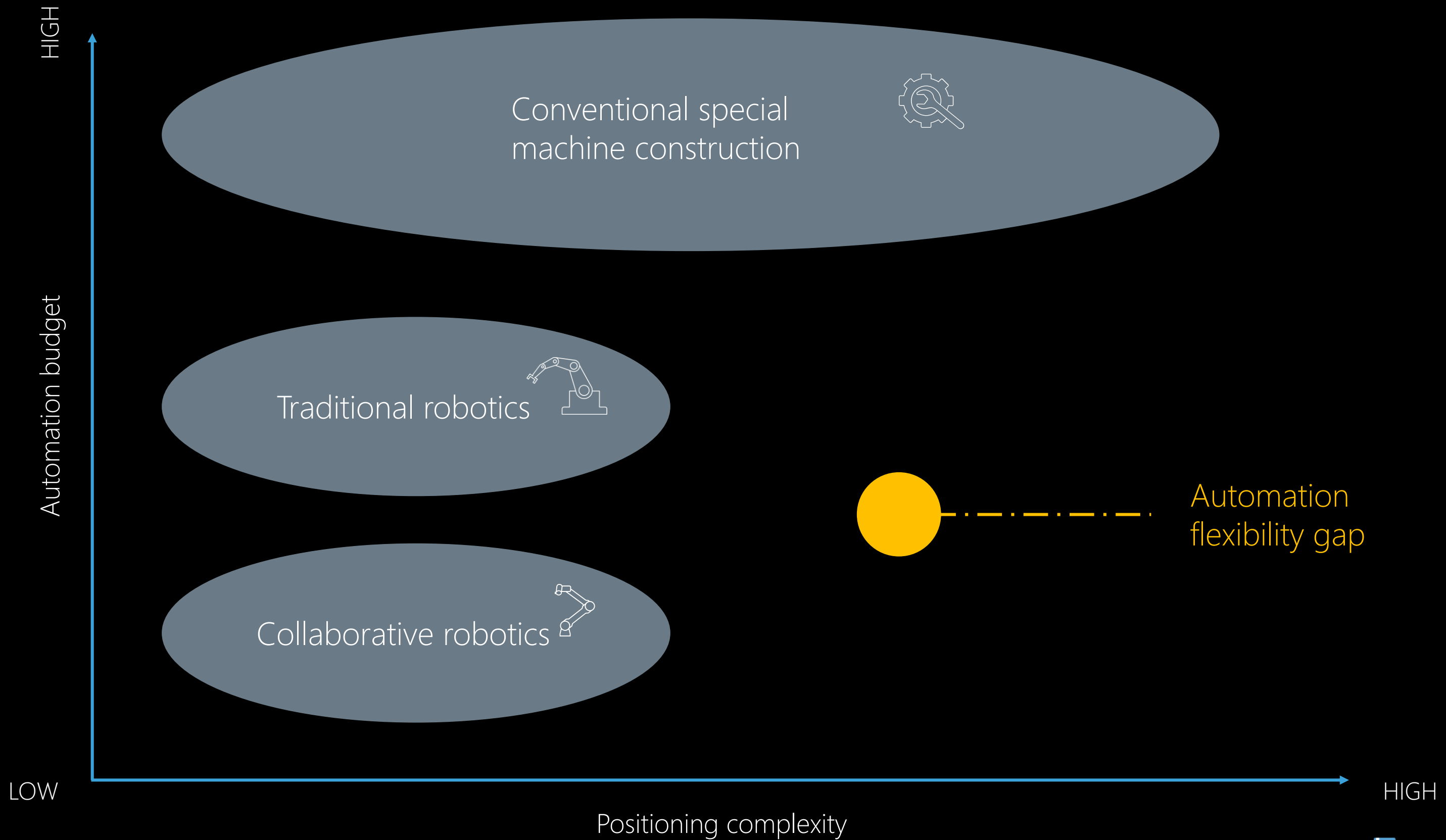


... that are not sensor-based
(or that are only very simple tasks if this is unavoidable).



Hmm... But these days, a lot of tasks require

GREATER FLEXIBILITY





Cobots enriched by AI are automating

EVEN MANUAL WORKPLACES