



Cognitive robots

A new era of collaboration between human and machine



About NEURA

















Established in 2019



Headquarter, workshop





About NEURA

The Engineering Departments:

- Mechanics / Electronics Department (Hardware)
- Application Department (Software / Customer Support)
- GUI Department (Software)
- Al Department (Software)
- Humanoid Department (Hardware/Software)
- Safe Human Detection Department (Hardware/Software)
- Control Department



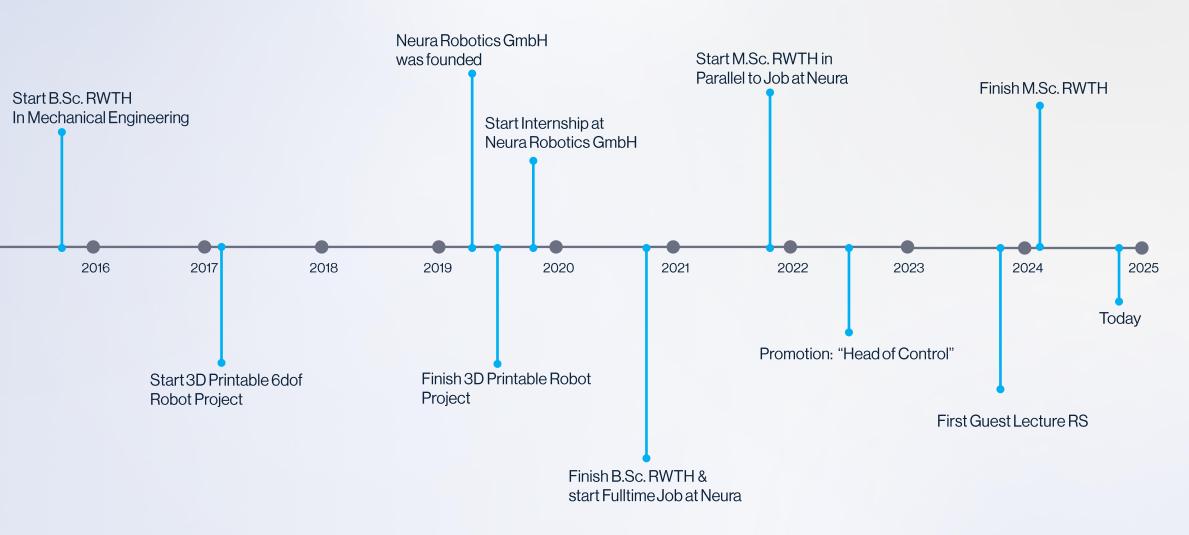
The Control Team

Here is where the fundamental Robotics solutions are developed

- Kinematics
 - Forward Kinematics
 - Inverse Kinematics
 - Differential Kinematics
- System Identification
 - Kinematic Calibration
 - Dynamic Parameter Identification
 - Friction Estimation
- Dynamics (RNEA, PNEA, Linear Regressor, ...)
- Collision Detection
- Controllers (Impedance Control, Hybrid Force/Torque Control, Position Control, Hand Guiding)
- Motion Planning
- Data Science



My Personal History at NEURA





From automation to collaboration

Simple automation



Industrial robots

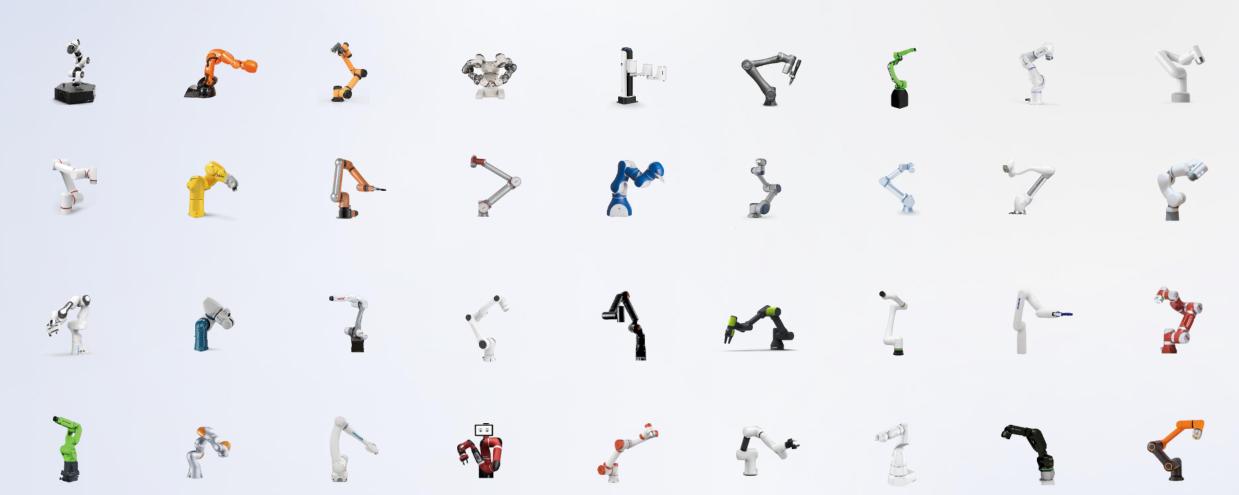


Collaborative robots



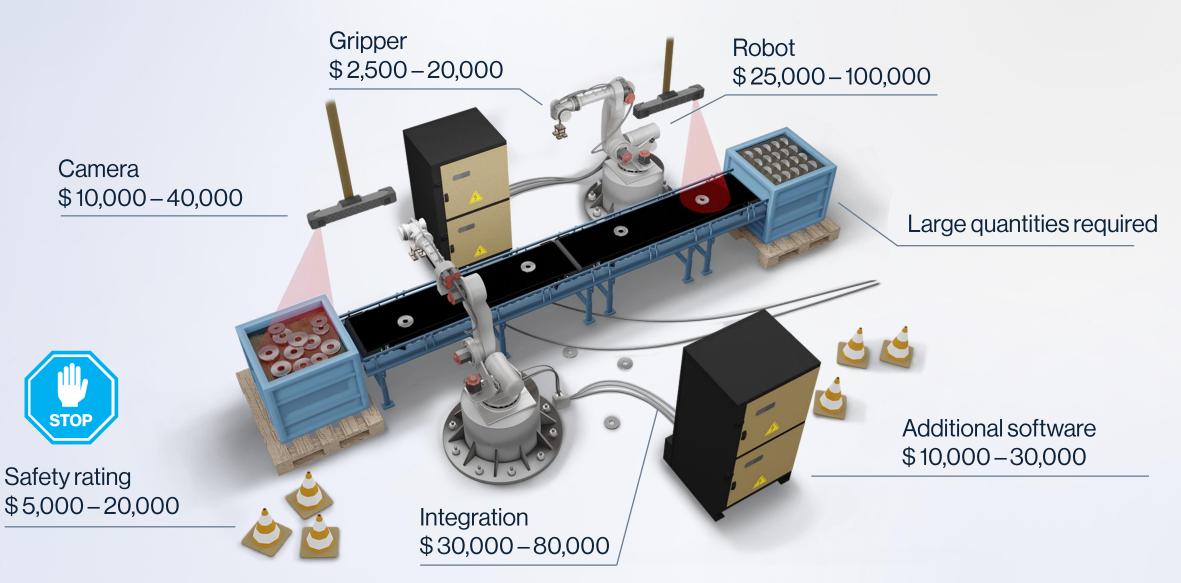


Plenty of cobots to choose from ...





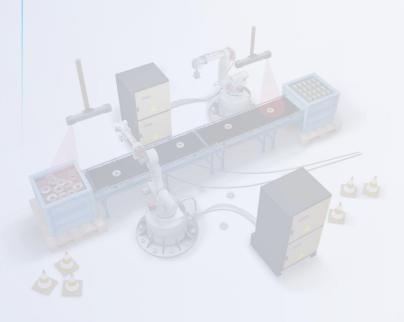
... yet they are far from being truly collaborative



Introduction

Comprehensive environmental perception and interaction in one device

The future of robotics







Why we don't have more robots in our lives?



















Why we don't have more robots in our lives?

NOFULL AUTONOMY























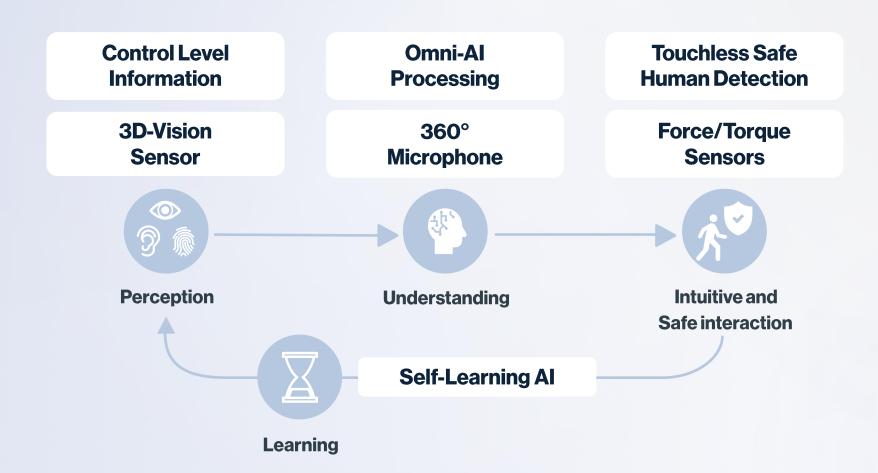


Bringing cognitive abilities to robots



Making a quantum leap in technology

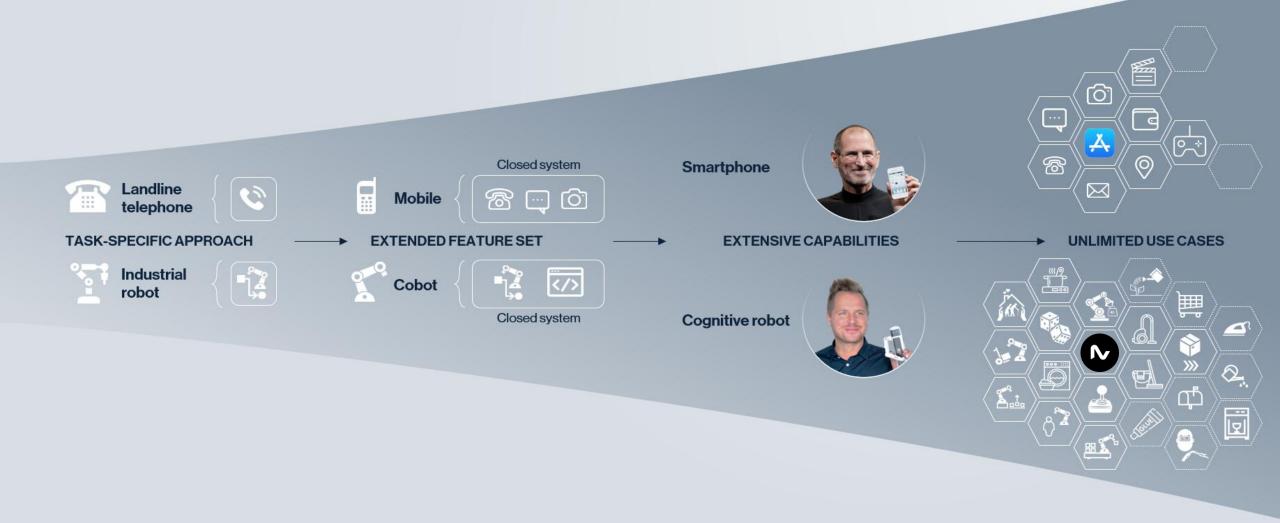
From automated machine to independent helper







One-device cognitive robots forming a smart platform



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Neuraverse.

Creating the ecosystem to advance humanity

State-of-the-art technology ...

... fuelling a differentiated partner ecosystem ...

Industry

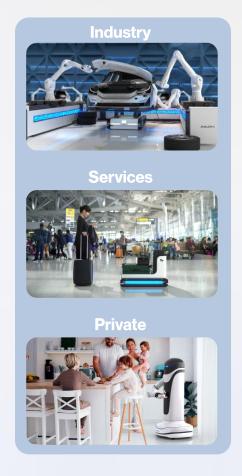
Technology &

Multipliers

... to capture existing & new markets

Custom products Customised products Off-the-shelf products Robots Components Hardware design Neuron OS Al suite Software Applications (incl. 3rd party) Technical services Commercial services Services Marketing services

champions robotics companies Collaboration / Partner Neuraverse platform **Supporters Influencers**



Support



Comprehensive portfolio of robotic assistants

M/V®

Multi-Sensing Autonomous Vehicle

LARA

Lightweight Agile Robotic Assistant

MAIRA®

Multi-Sensing intelligent Robotic Assistant

MiPA

My intelligent Personal Assistant

