





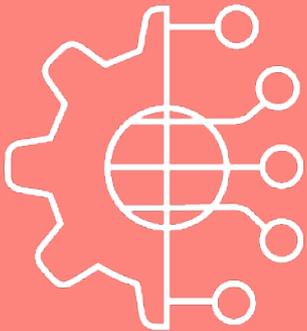
# MACHINE LEARNING



# WHAT IS ARTIFICIAL INTELLIGENCE?

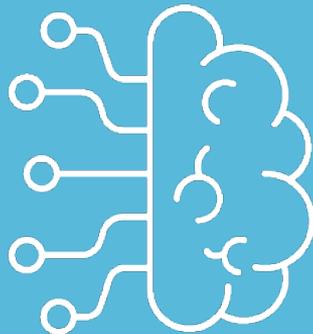
## Machine Learning

Using sample data to train computer programs to recognize patterns based on algorithms



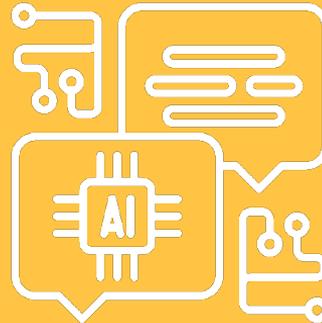
## Neural Networks

Computer systems designed to imitate the neurons in a brain



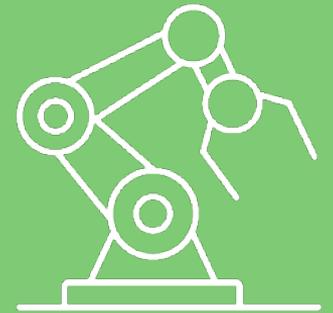
## Natural Language Processing

The ability to understand speech, as well as understand and analyze documents

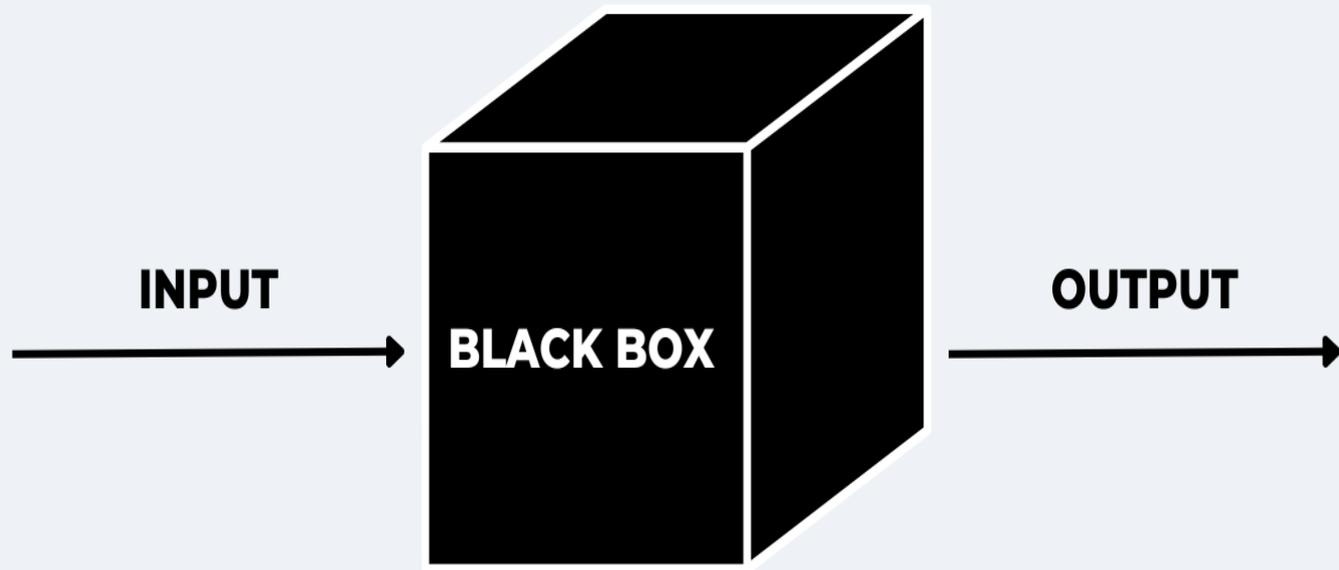


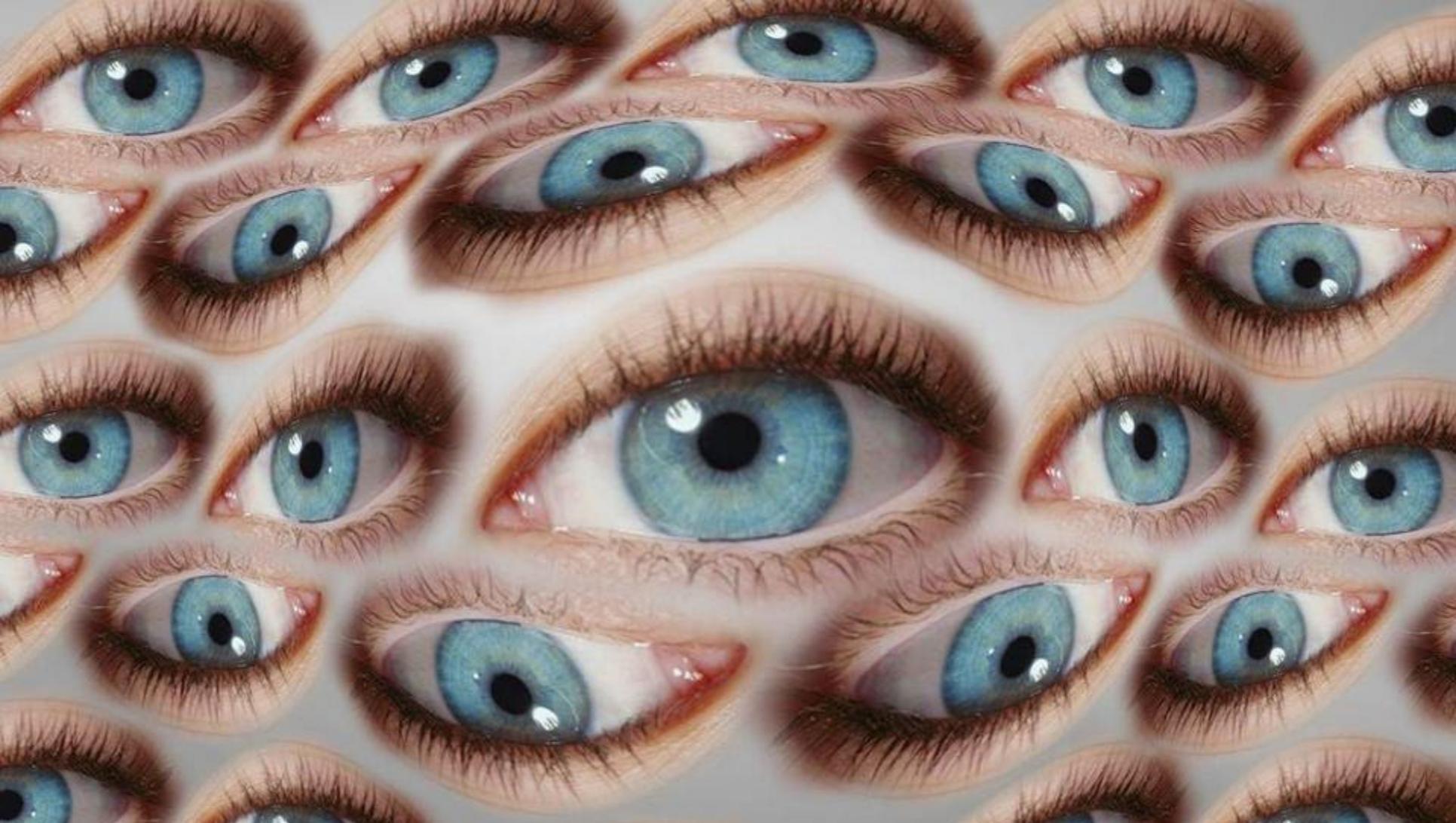
## Robotics

Machines that can assist people without actual human involvement









# Uczenie Maszynowe:

Brak odpowiedzi

ze

Mamy odpowiedzi

wzmocnieniem

nienadzorowane

nadzorowane

Znajdowanie zależności

Redukcja wymiarów



Szukanie podobieństw

Klasteryzacja



Przewidywanie sekwencji

Systemy rekomendacyjne



Przewidywanie liczb

Regresja



Przewidywanie kategorii

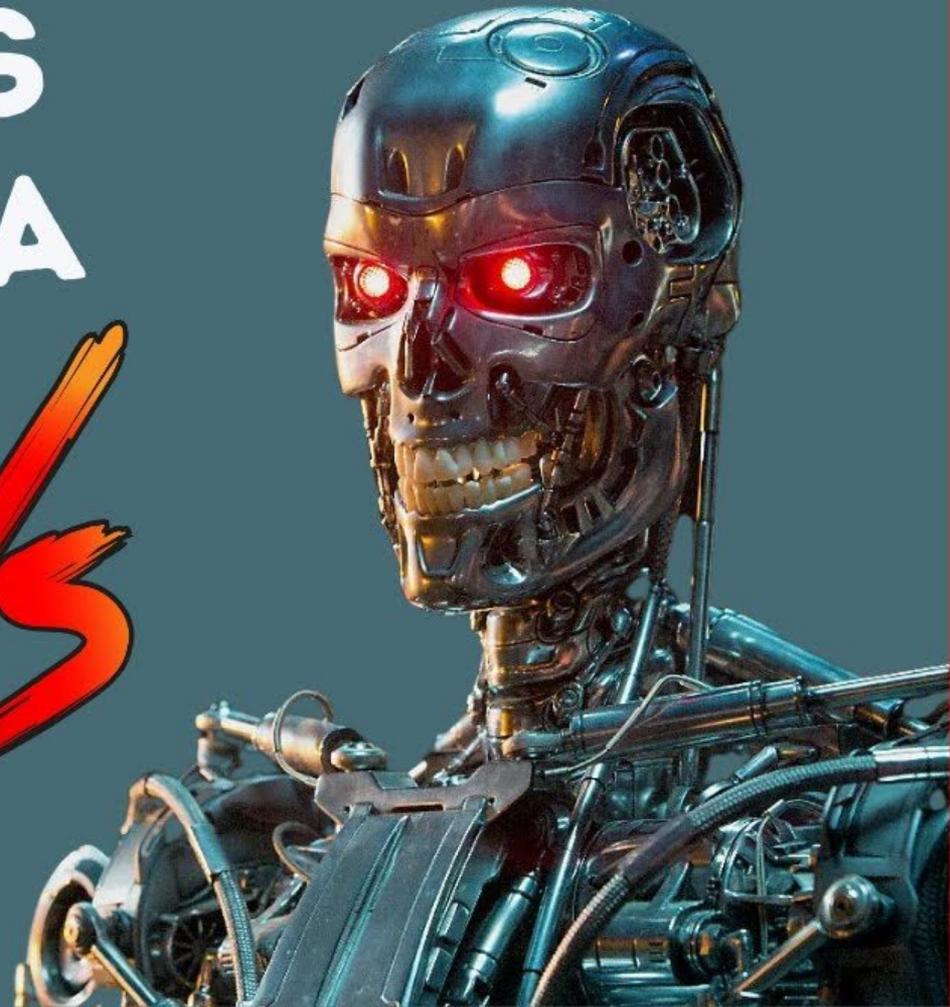
Klasyfikacja



A black silhouette of a hand holding a smartphone. The phone's screen is yellow with a subtle blue and white circular pattern in the upper left corner. The text 'OpenAI o1' is displayed in white on the screen. The background is a gradient from light blue at the top to yellow at the bottom.

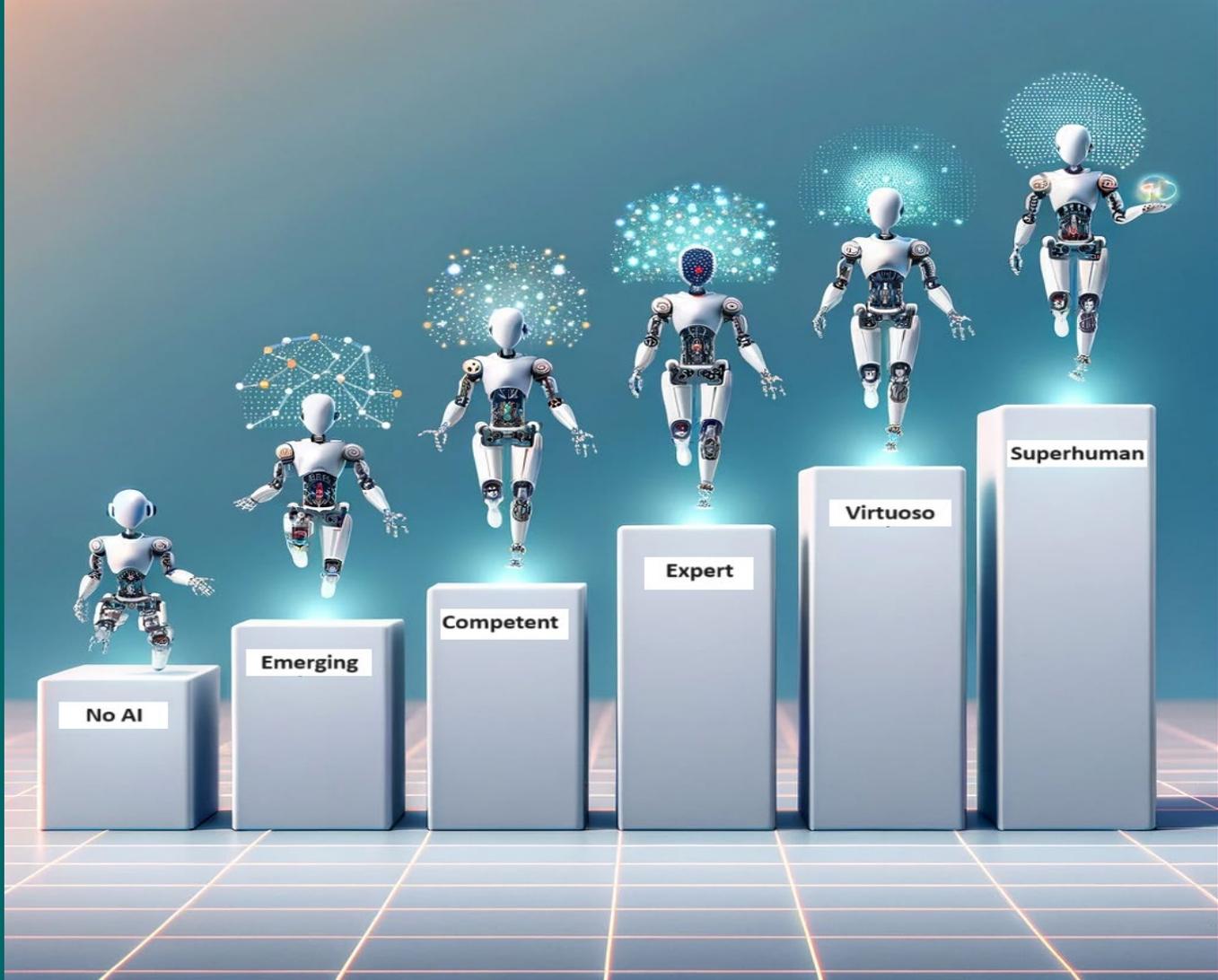
OpenAI o1

# PARADOKS MORAVECA









No AI

Emerging

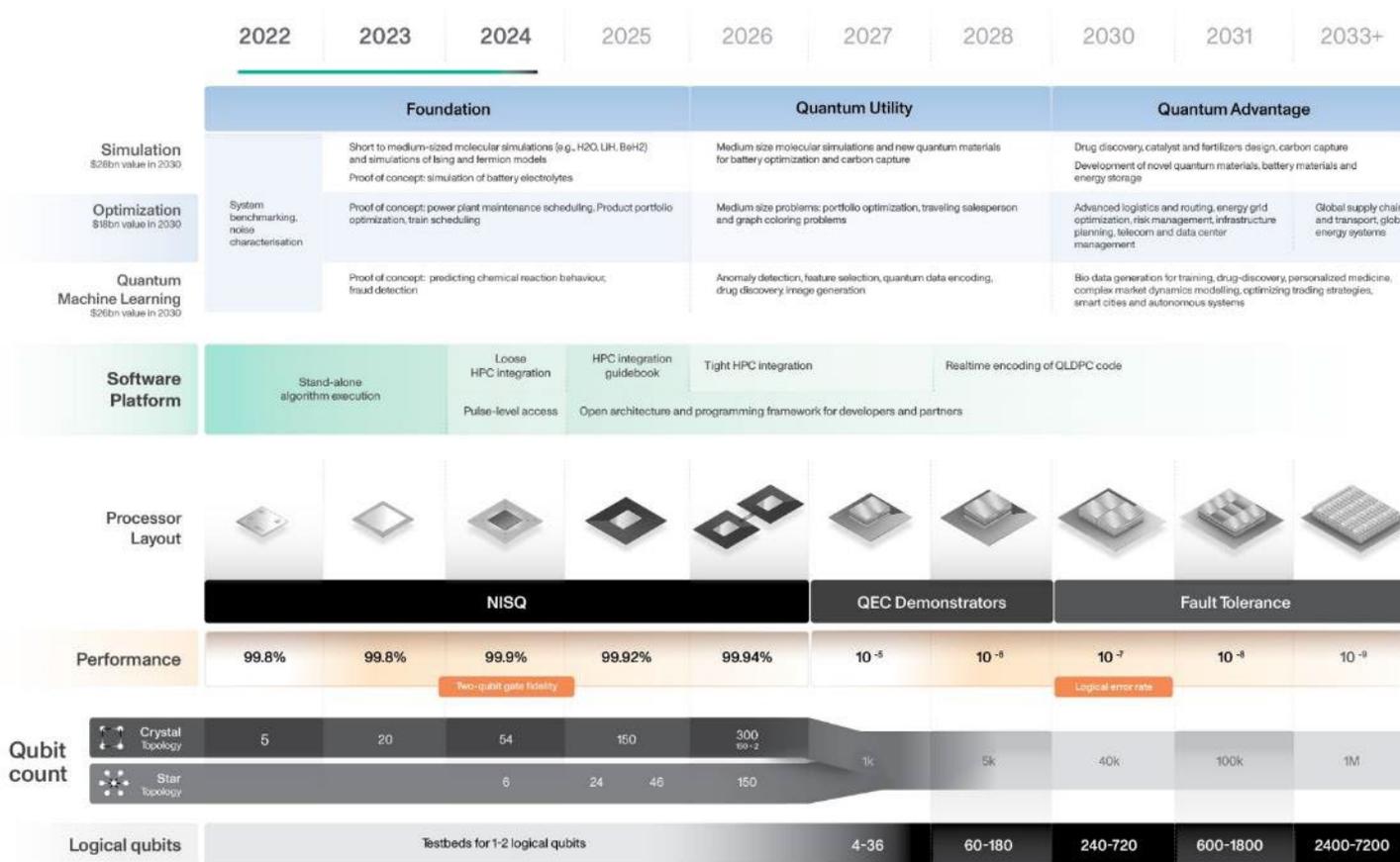
Competent

Expert

Virtuoso

Superhuman

# Development Roadmap



Processor layouts are for illustrative purposes only and do not represent the actual design.  
Two-qubit-gate error refers to demonstration devices consisting of two qubits and a coupler only.  
The fidelities get transferred system-level with a delay.

Timeline corresponds to first demonstration systems.  
First on-premise delivery is 12-18 month available from first demonstration.

# Thx

[www.youtube.com/@MK\\_ThisIsIT](http://www.youtube.com/@MK_ThisIsIT)

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