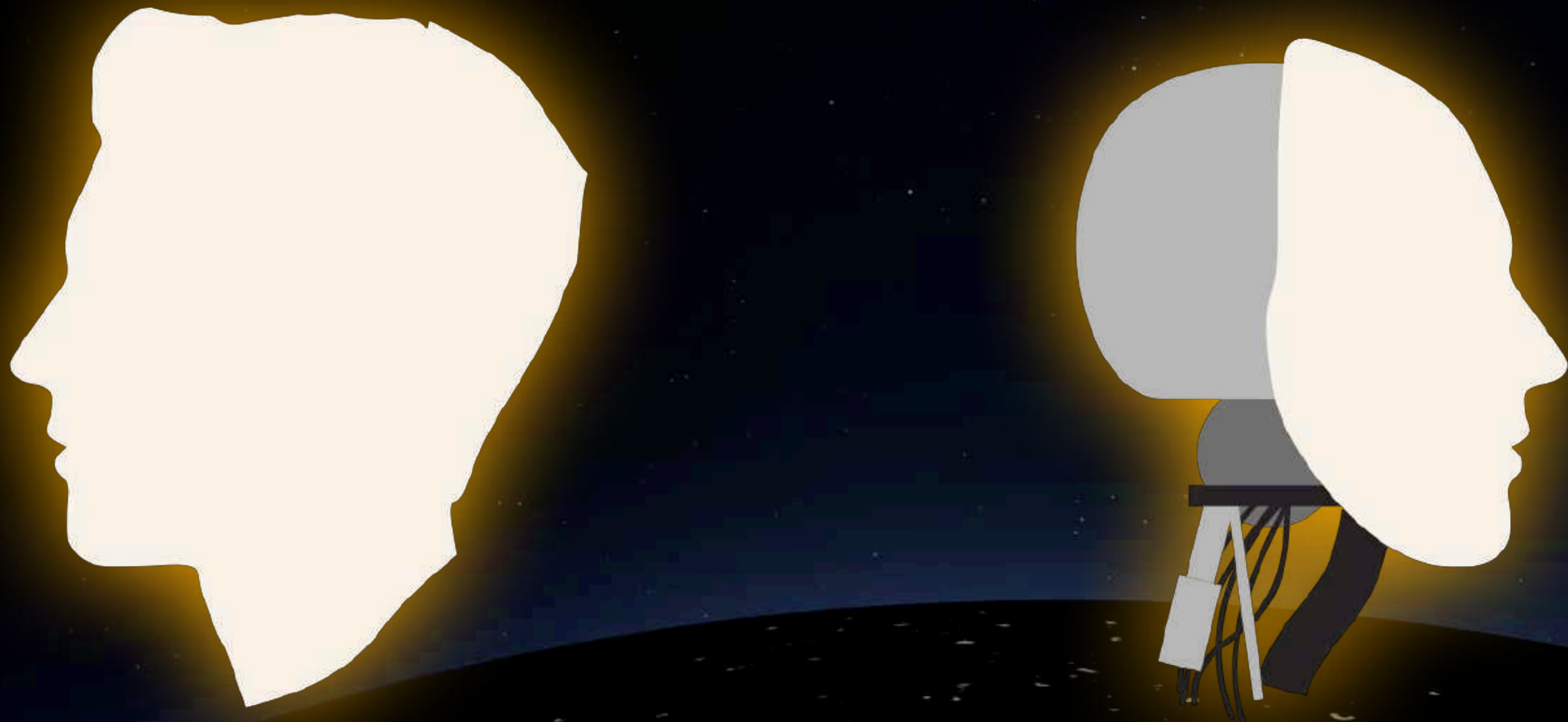


AI and the Future of Humanity, Learning and Work

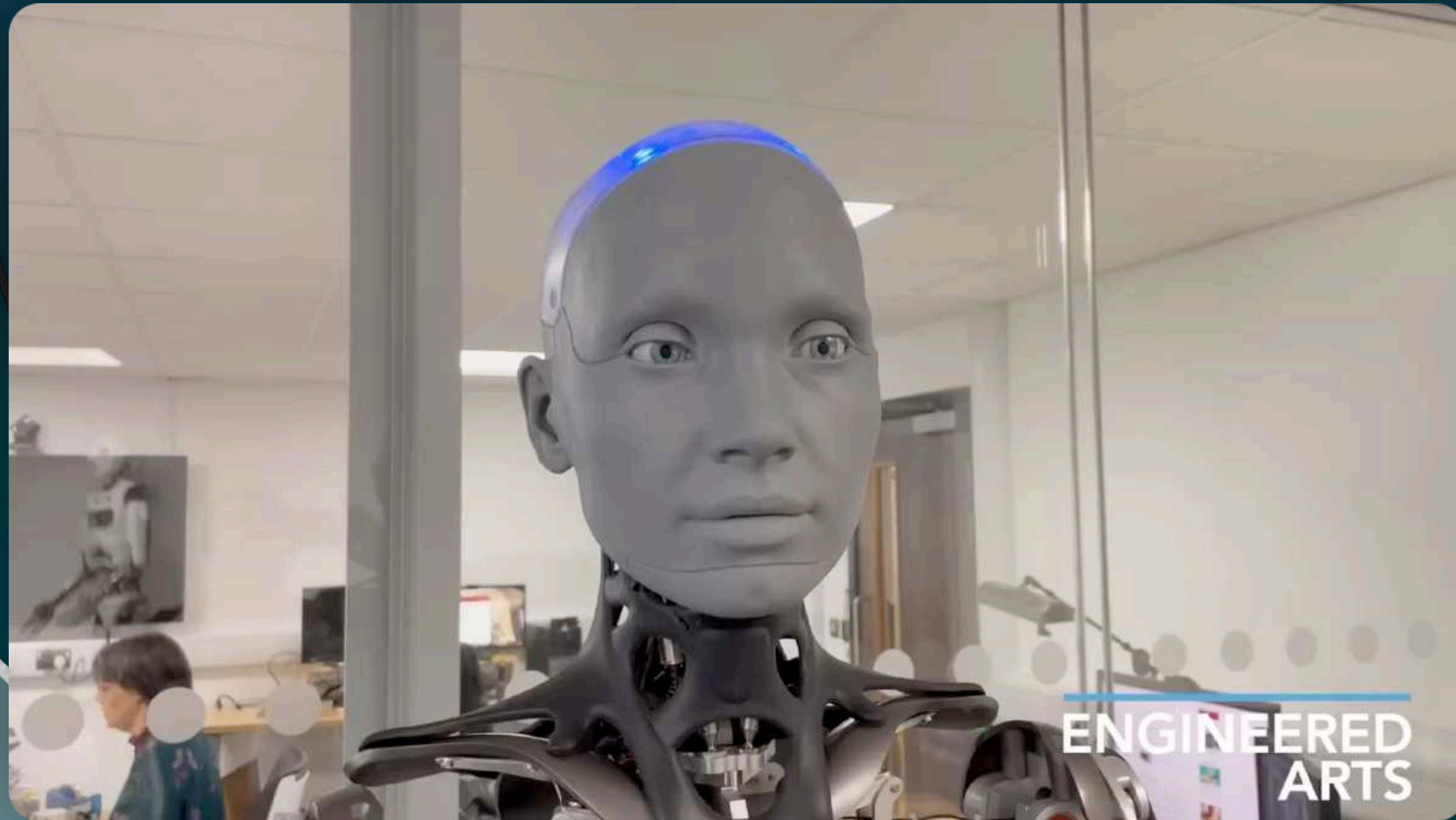


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UNIVERSITY of
NORTH GEORGIA™



Gerd Leonhard, Futurist & CEO The Futures Agency

-  techvshuman.com
-  [@gleonhard](https://twitter.com/@gleonhard)
-  [gerdtube.com](https://www.youtube.com/gerdtube.com)
-  gerd.cloud
-  futuristgerd.com



512 256 128 64 32 16 8 4 2 1



Figure Status Update - OpenAI Speech-to-Speech Reasoning



Figure

22.9K subscribers



Subscribed



Footbolé Robotics

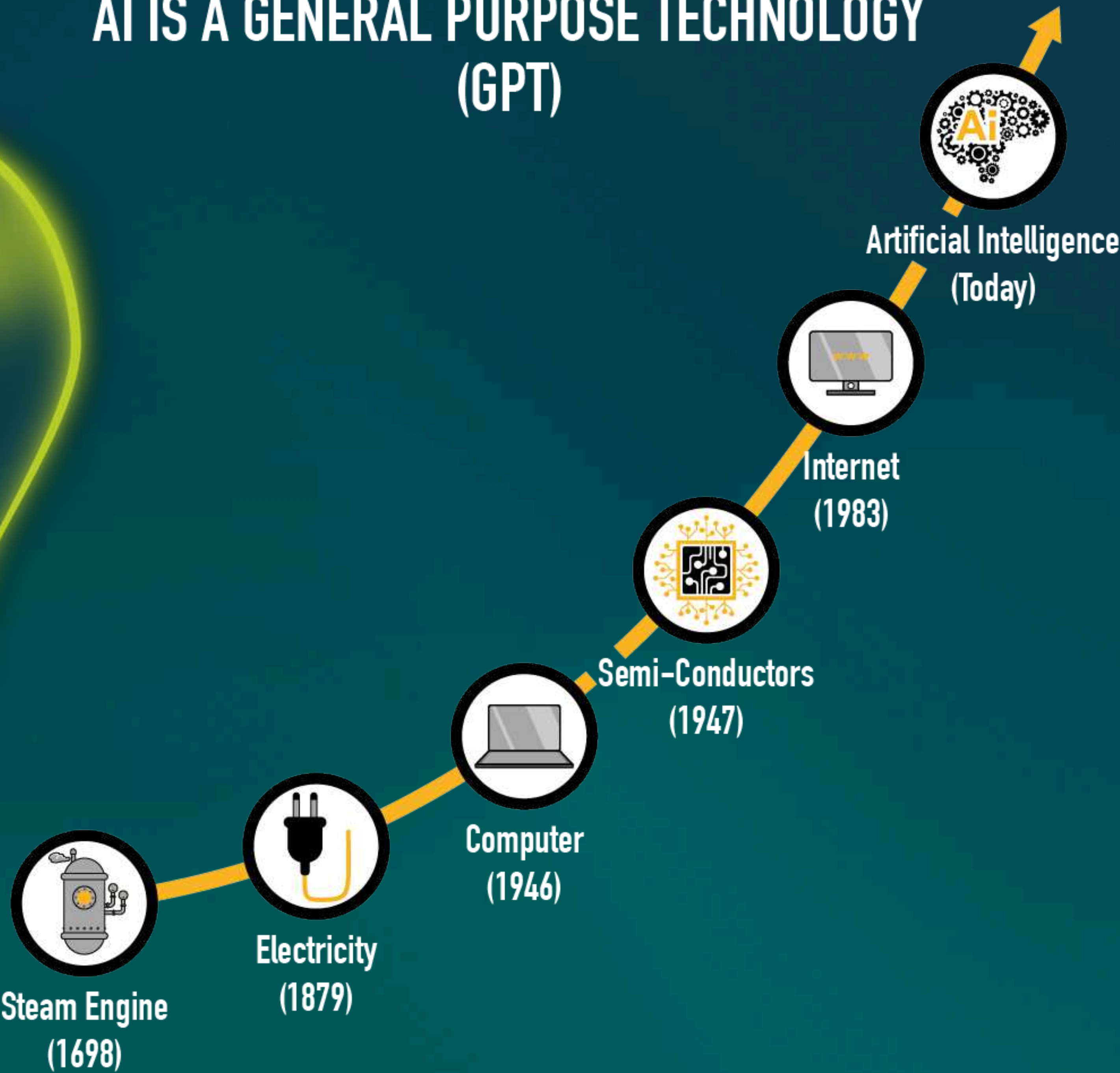
Gerd

AI: General Purpose Tech

+ THE NEW PLATFORM

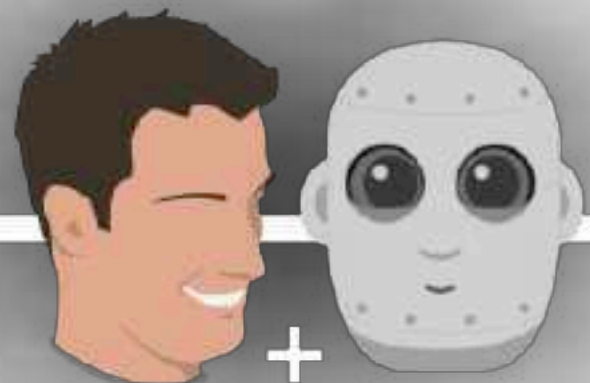
'for everything'

AI IS A GENERAL PURPOSE TECHNOLOGY (GPT)



AI: “Computer systems that turn information and data into **KNOWLEDGE**”

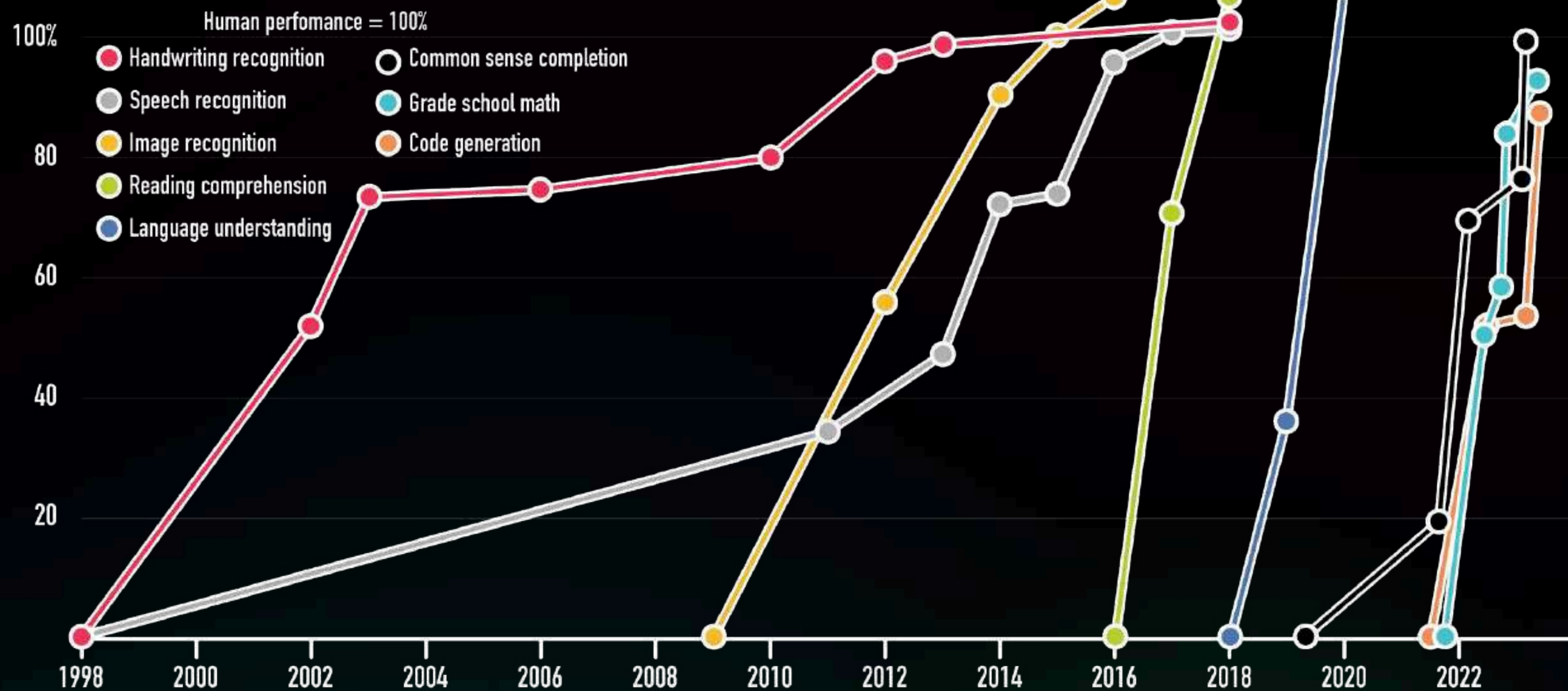
(Demis Hassabis, CEO, DeepMind)



WHAT ARE THE PRIMARY BUSINESS OBJECTIVES FOR USING AI



STATE-OF-THE-ART AI PERFORMANCE RELATIVE TO HUMAN PERFORMANCE

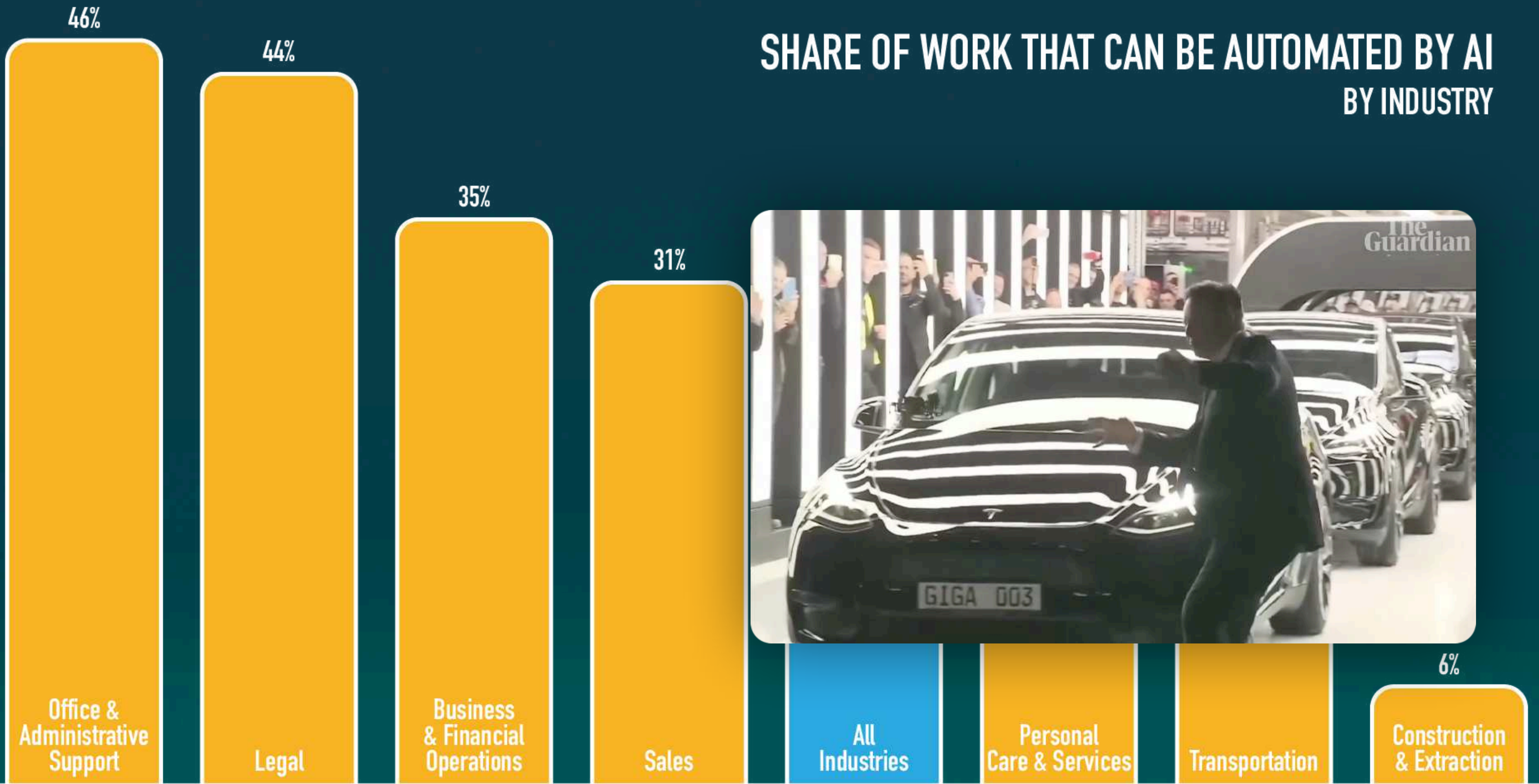


©AiBreakfast via X

Human performance = 100%

- Handwriting recognition
- Speech recognition
- Image recognition
- Reading comprehension
- Language understanding
- Common sense completion
- Grade school math
- Code generation

SHARE OF WORK THAT CAN BE AUTOMATED BY AI BY INDUSTRY



THE TECH INDUSTRY MOVES IN PLATFORM SHIFTS
EVERY 10-15 YEARS, A NEW PLATFORM RESETS THE TECH INDUSTRY

GENERATIVE AI: Computer systems that turn data &
statistics, image recognition, language understanding and

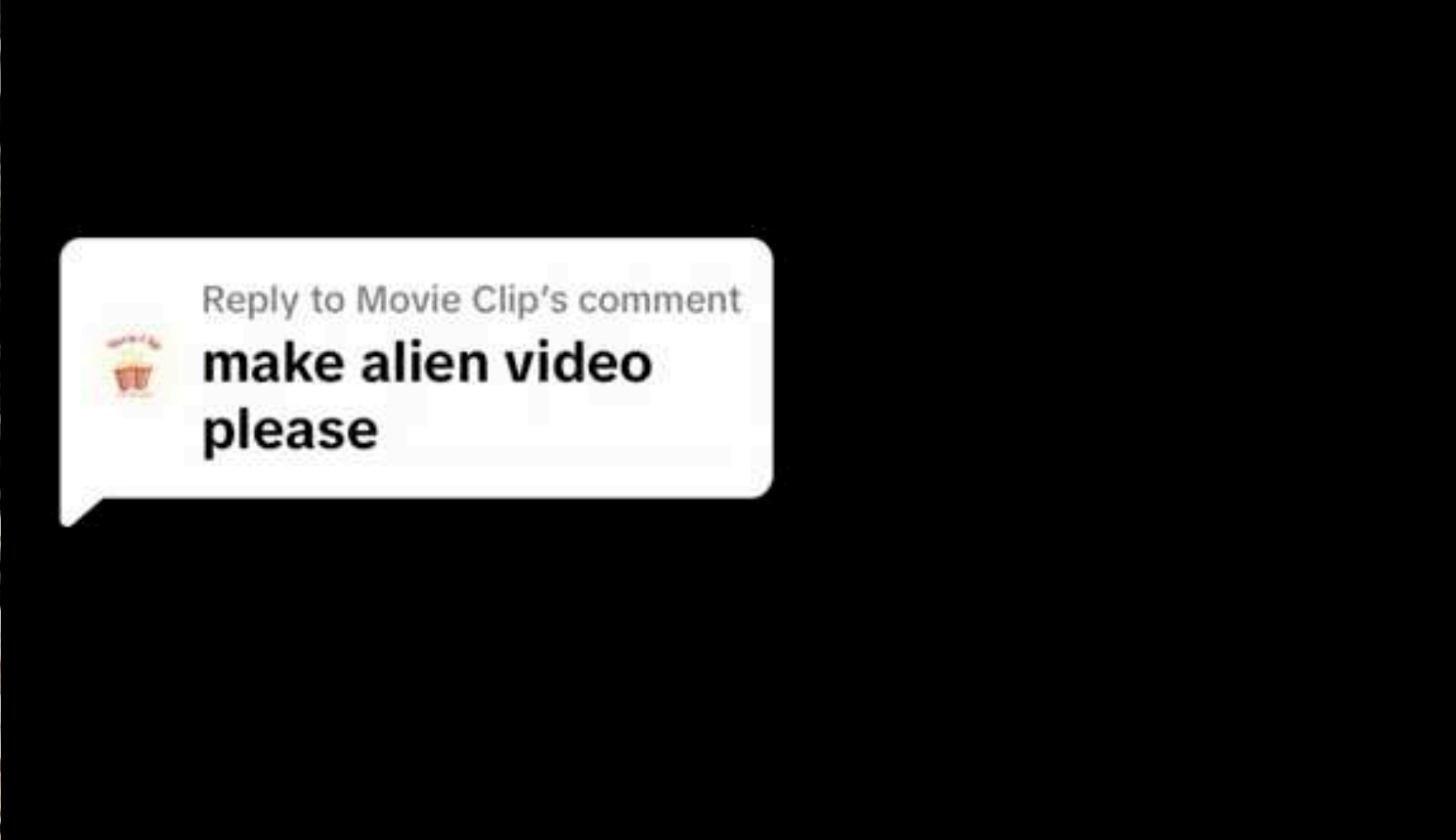
KNOWLEDGE INTO

CONTENT & CONVERSATION

Web
Open Source

Smartphones
Cloud

Generative AI

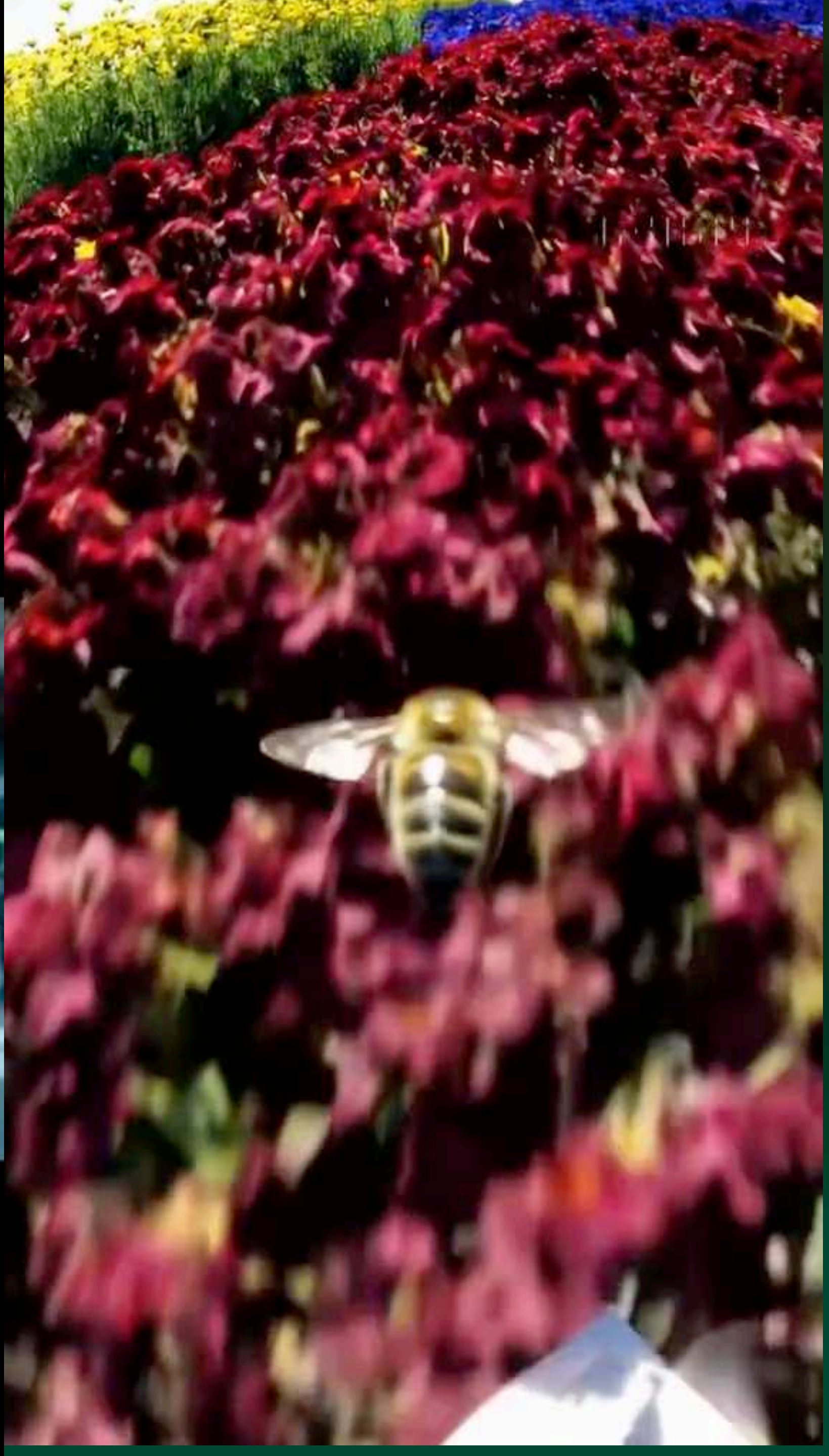


Reply to Movie Clip's comment
🍷 **make alien video please**



Generated by OpenAI's video model

Generated by Sora, OpenAI's video model



SORA / Open AI

Sound by Eleven Labs



Videos by SORA / Open AI

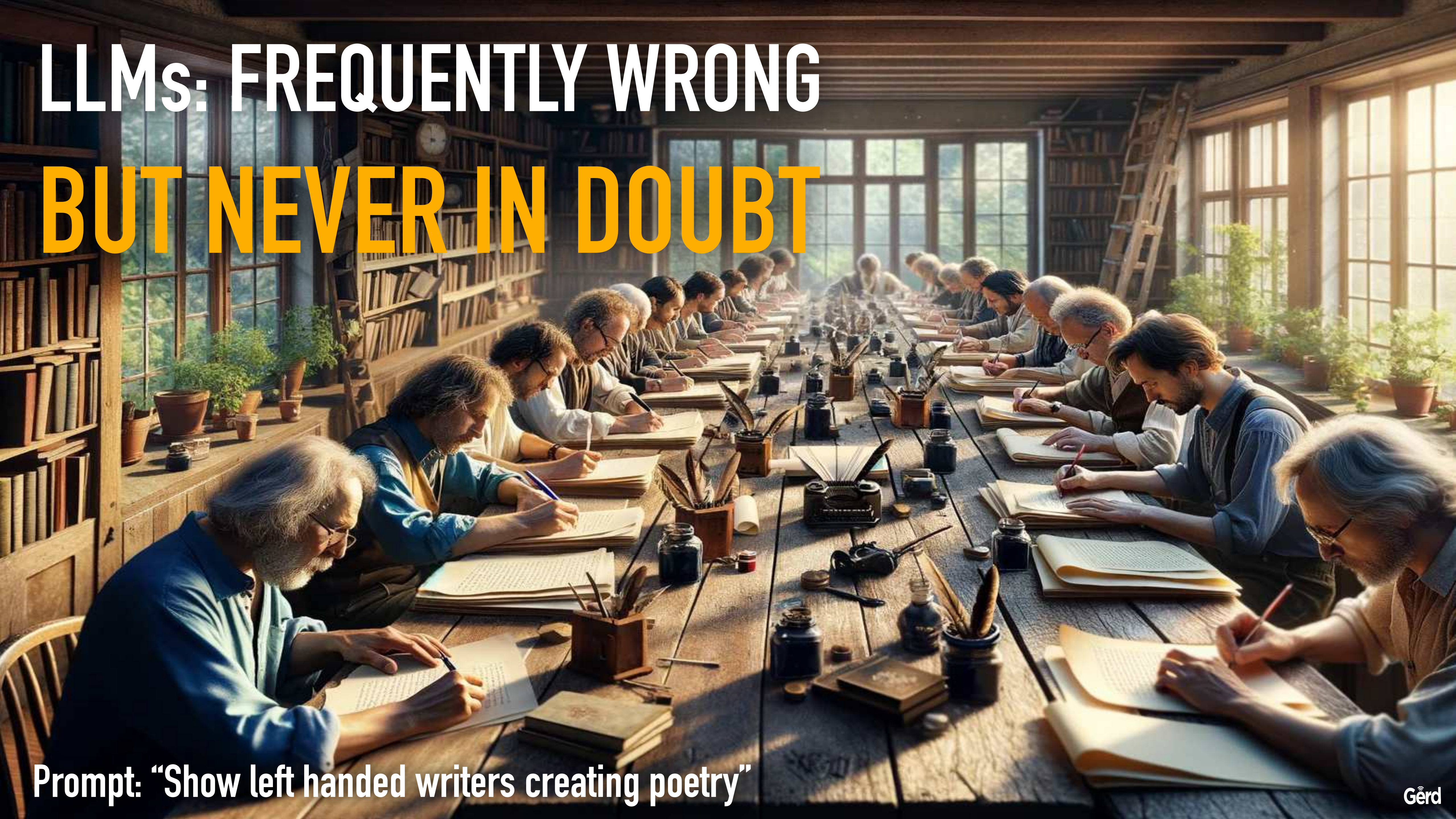


Gerd

Sora (OpenAI) text to video:
VERY COOL! Yet for now,
lacking Veracity, Context,
Causality, Common
Sense...



LLMs: FREQUENTLY WRONG BUT NEVER IN DOUBT



Prompt: "Show left handed writers creating poetry"

“It is the **FRAMEWORK** which changes with each new technology and not just the picture within the frame”

Marshall Mc Luhan

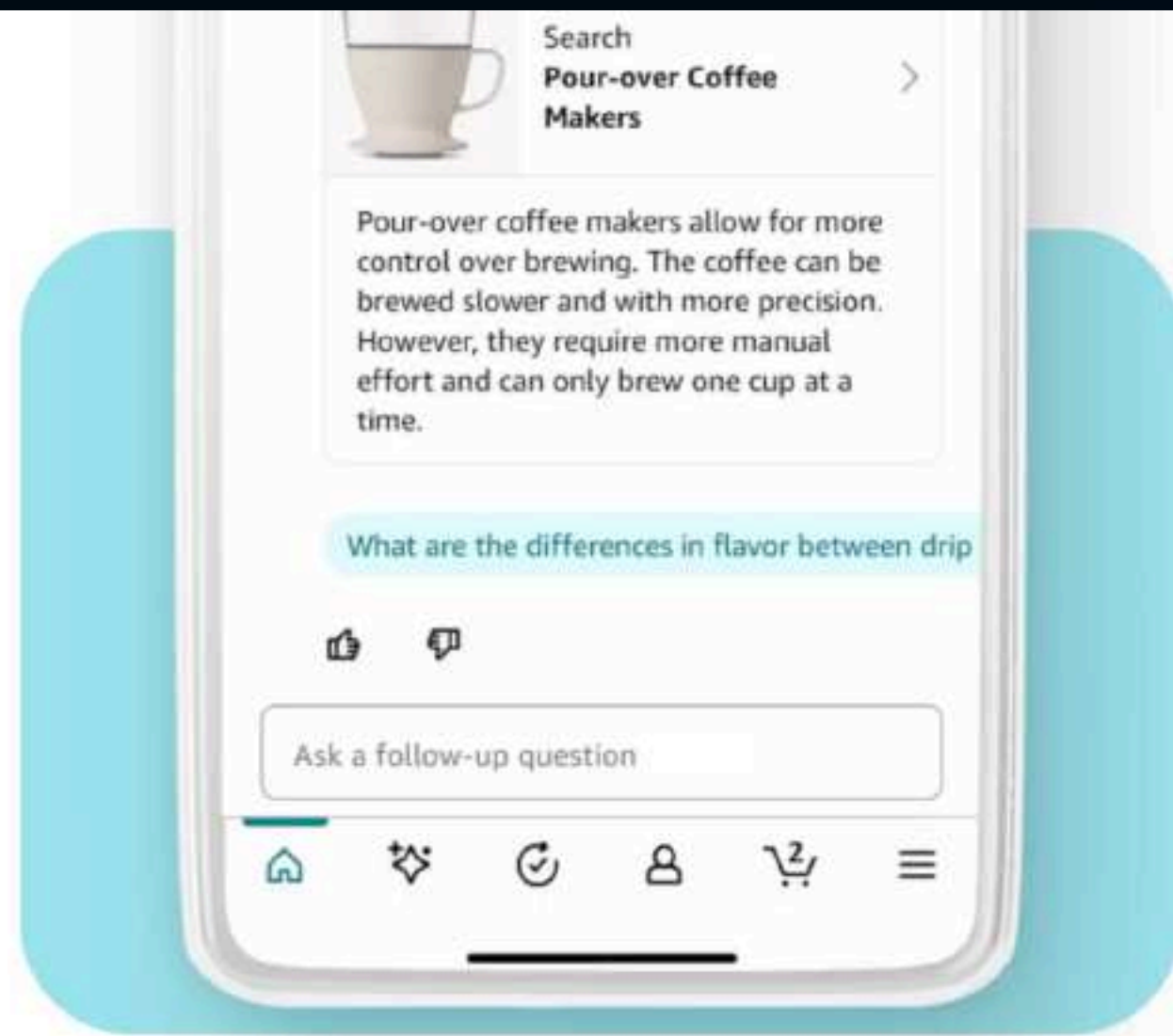


SOURCE: HUMANE



FROM GRAPHIC INTERFACES TO **CONVERSATIONAL AI**





Amazon Rufus

Conversation with AMIE

Hi, I experienced central chest pain accompanied by discomfort in the upper stomach that happened two hours ago.

I'm sorry to hear you're experiencing this discomfort, especially in 2 key areas. To help me get a clearer picture, can you describe the chest pain in more detail? Is it a pressure, tightness, burning, stabbing sensation, or something else entirely?

AI

Would you speak to an AI doctor? 🤖

Answer

HI (Human Intelligence) and AI (Machine Intelligence)

Biological Intelligence

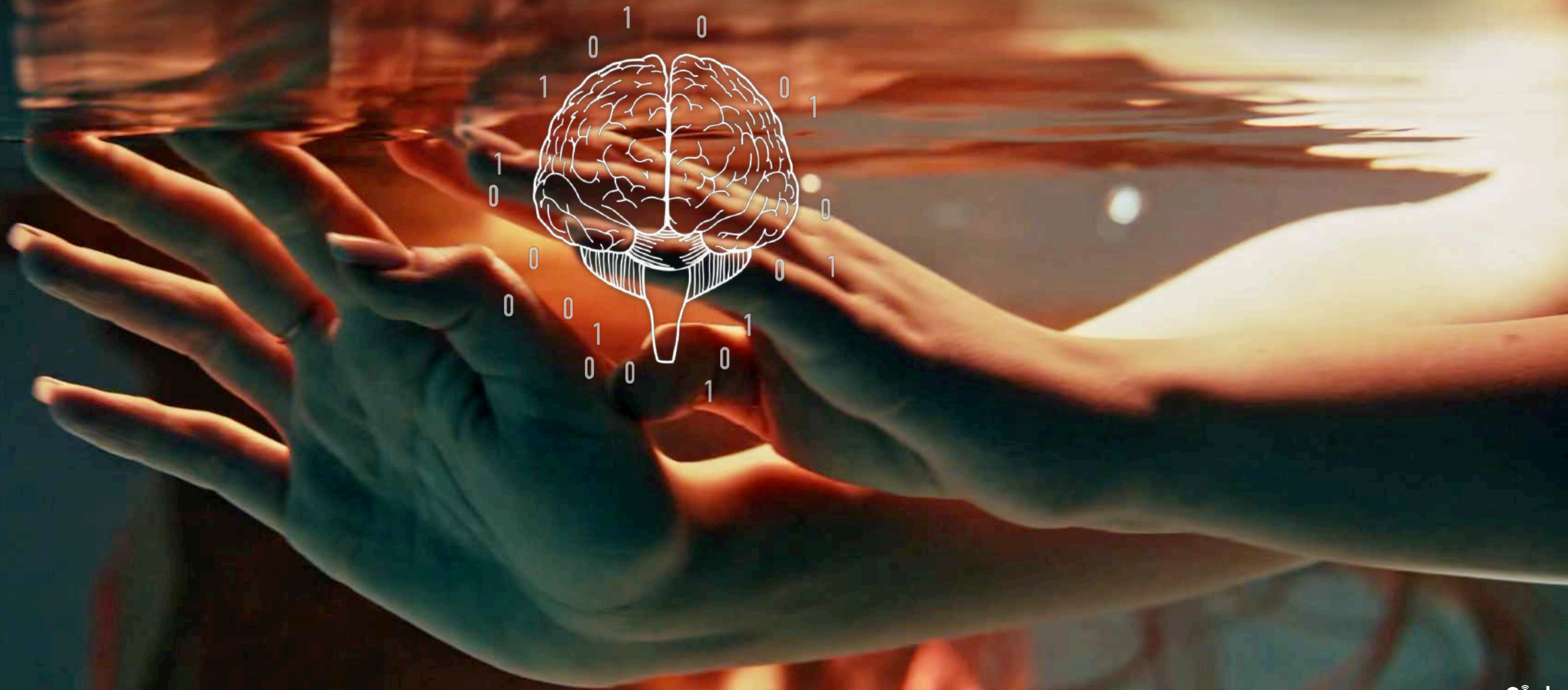


Digital Intelligence



INTELLIGENCE: THE ABILITY TO SOLVE PROBLEMS

CONSCIOUSNESS: THE ABILITY TO **FEEL THINGS**



KNOWLEDGE WORK:

We don't think
with (just) the brain



Machines **DON'T** 'Think' or 'Feel'

Machines **DON'T** have hunches

Machines **DON'T** 'understand'

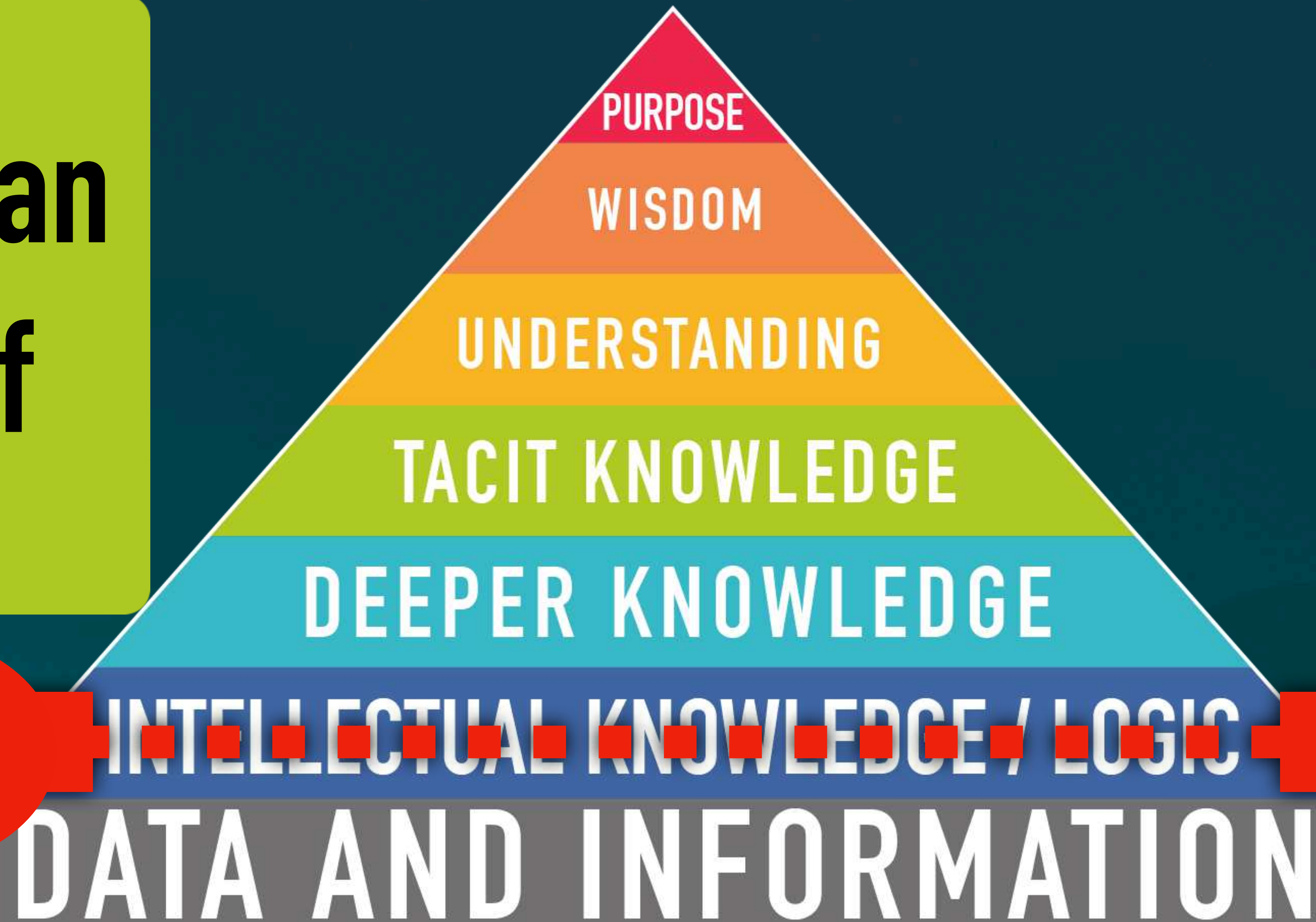
Machines **DON'T** imagine

Machines **DON'T** care



The Future of Human Work: Beyond Data, Information and *Knowledge

**Human
Turf**



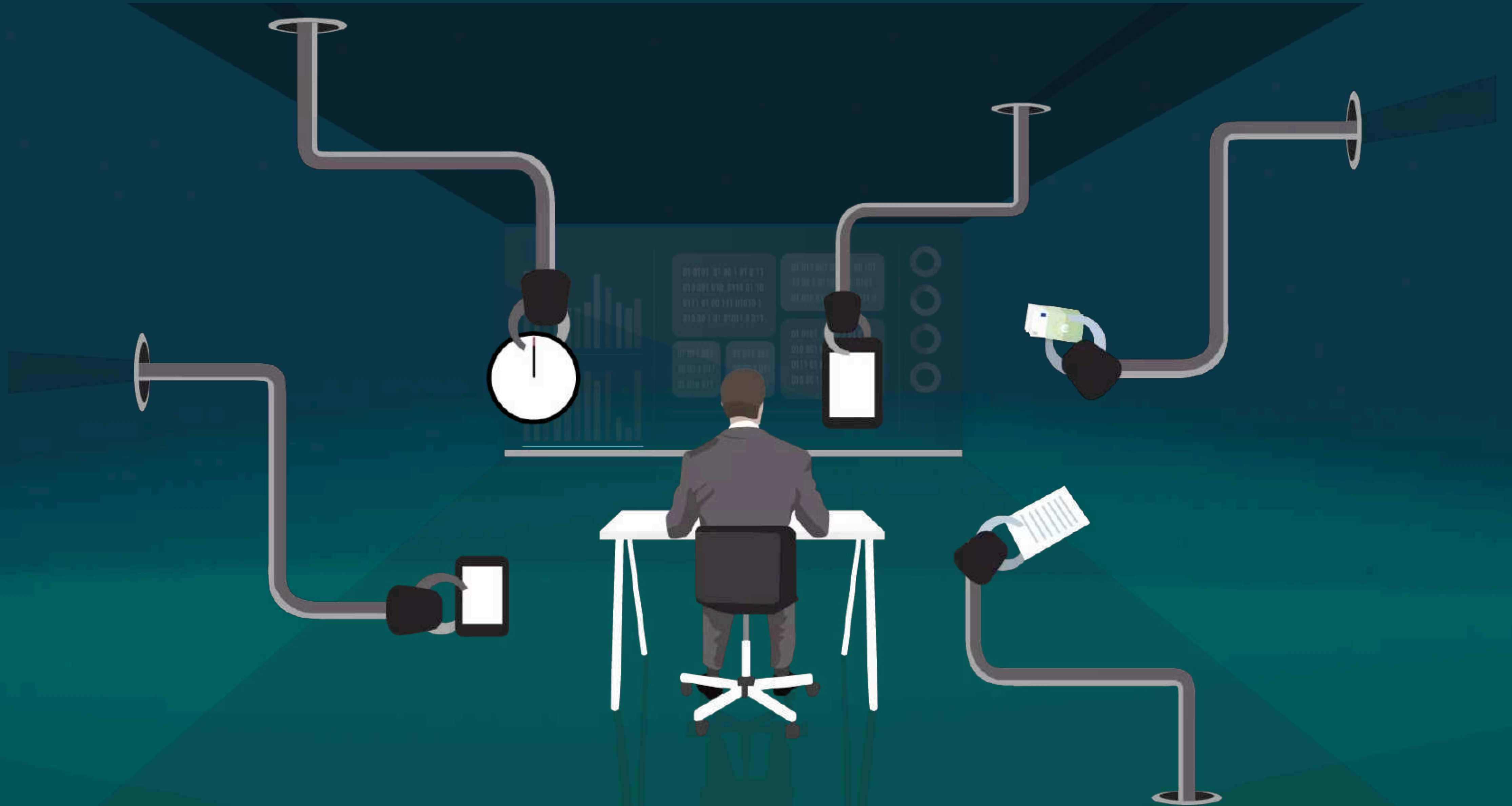
? Machine
Turf!

WE KNOW MORE THAN WE CAN TELL

(Polanyi)

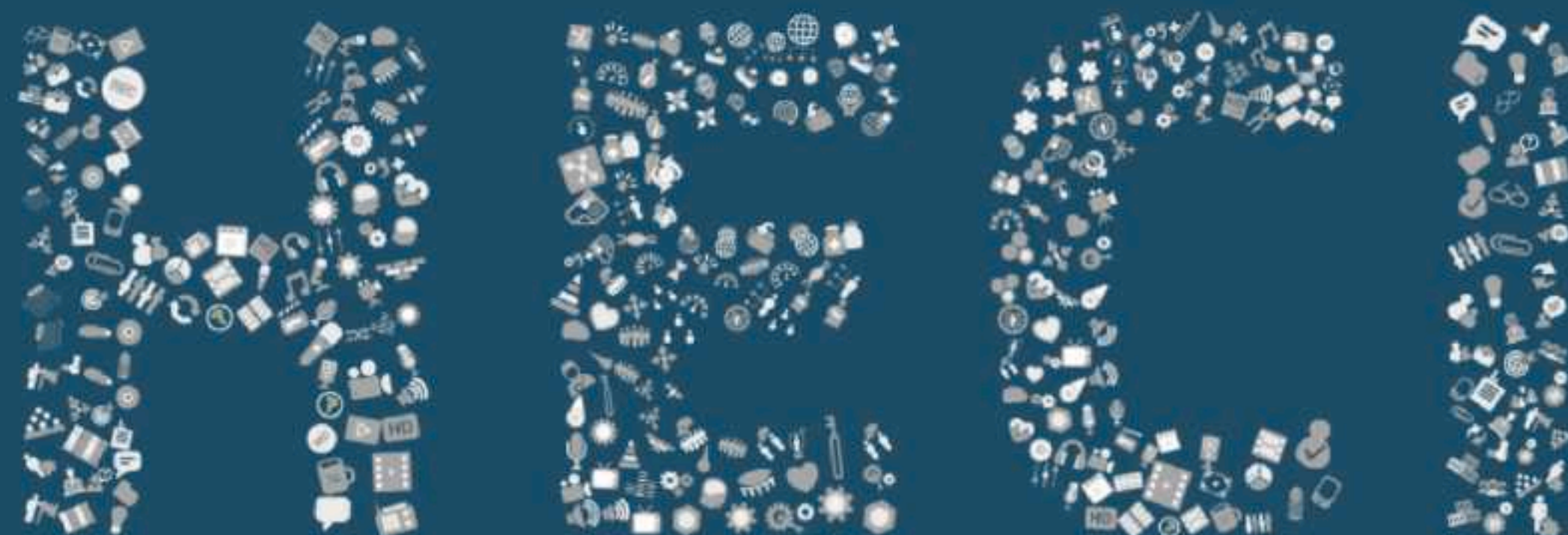


If you work like a robot, a robot will take your job!





PROBLEM-BASED LEARNING



Science
Technology
Engineering
Mathematics

Humanity
Ethics
Creativity
Imagination



IMAGINATION



INTELLECT

**“One’s destination is never a place,
but a NEW WAY OF SEEING THINGS”**

(Henry Miller)

**Cognification, Augmentation, Automation:
The End of Routine?**



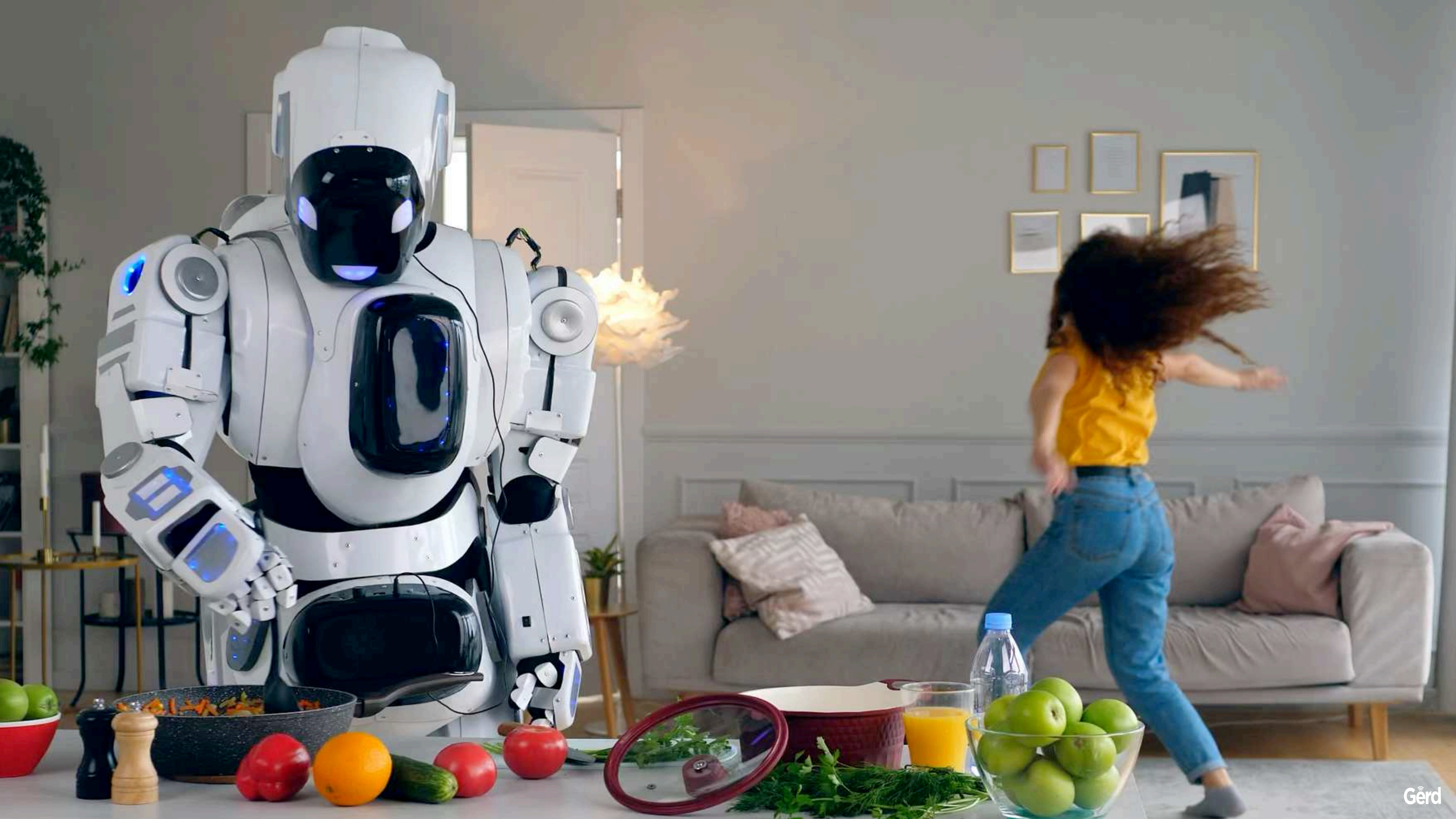
ROUTINE



INCOMING
CALL



ALISHA
WORK
05:10

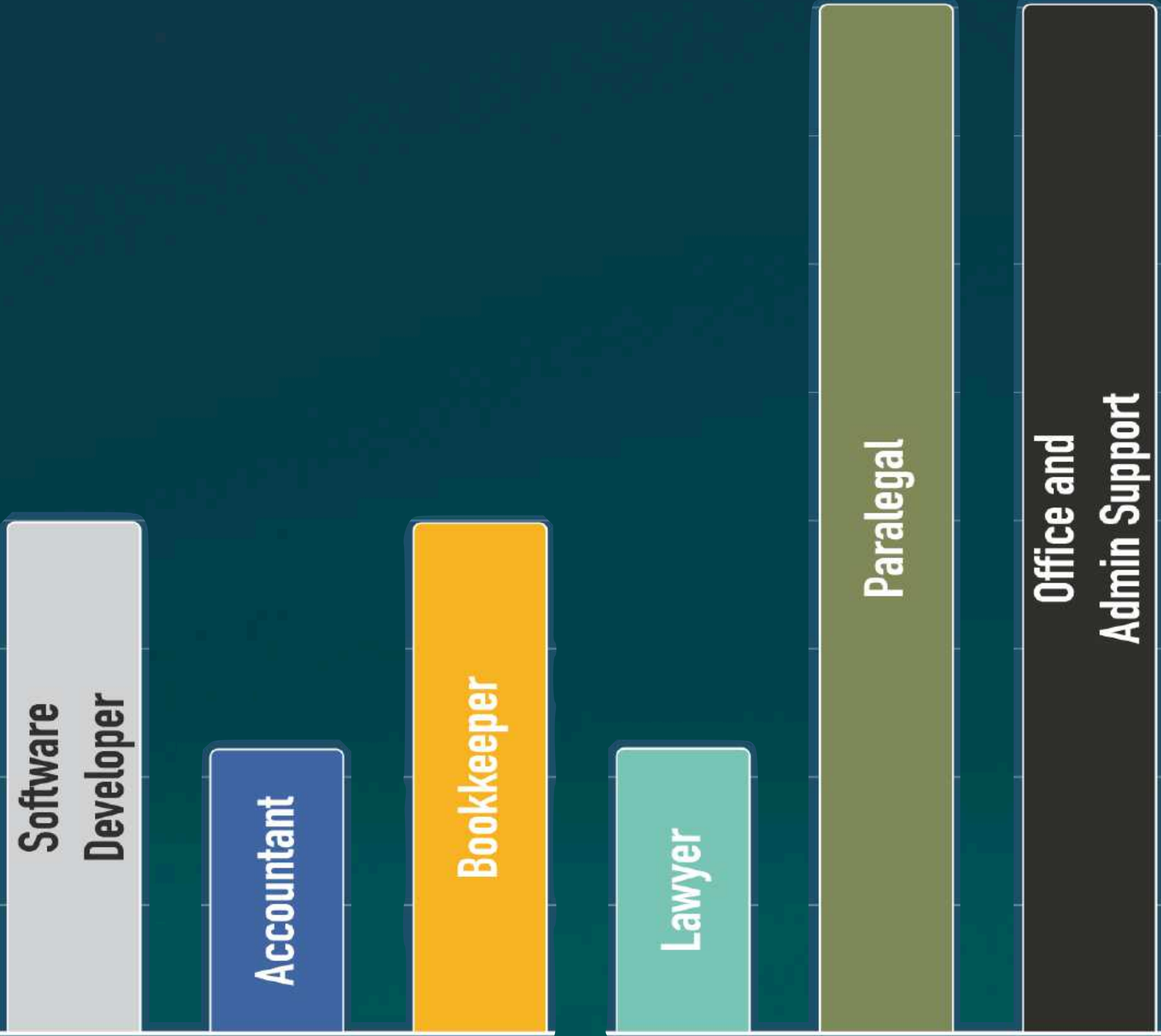


Will AI liberate us from “Monkey Work” ?



OUTPUT OF AI-ASSISTED KNOWLEDGE WORKERS 2021 TO 2030

BY 2030 AI WILL INCREASE THE OUTPUT OF KNOWLEDGE WORKERS BY 140%



AGI: More human than human?

“No material problem – including those caused by technology – cannot be solved with more technology”

(Marc Andreessen, Techno Optimist Manifesto)



“Great technology should not aim to replace humans, rather amplify human capabilities”

Doug Engelbart, 1955

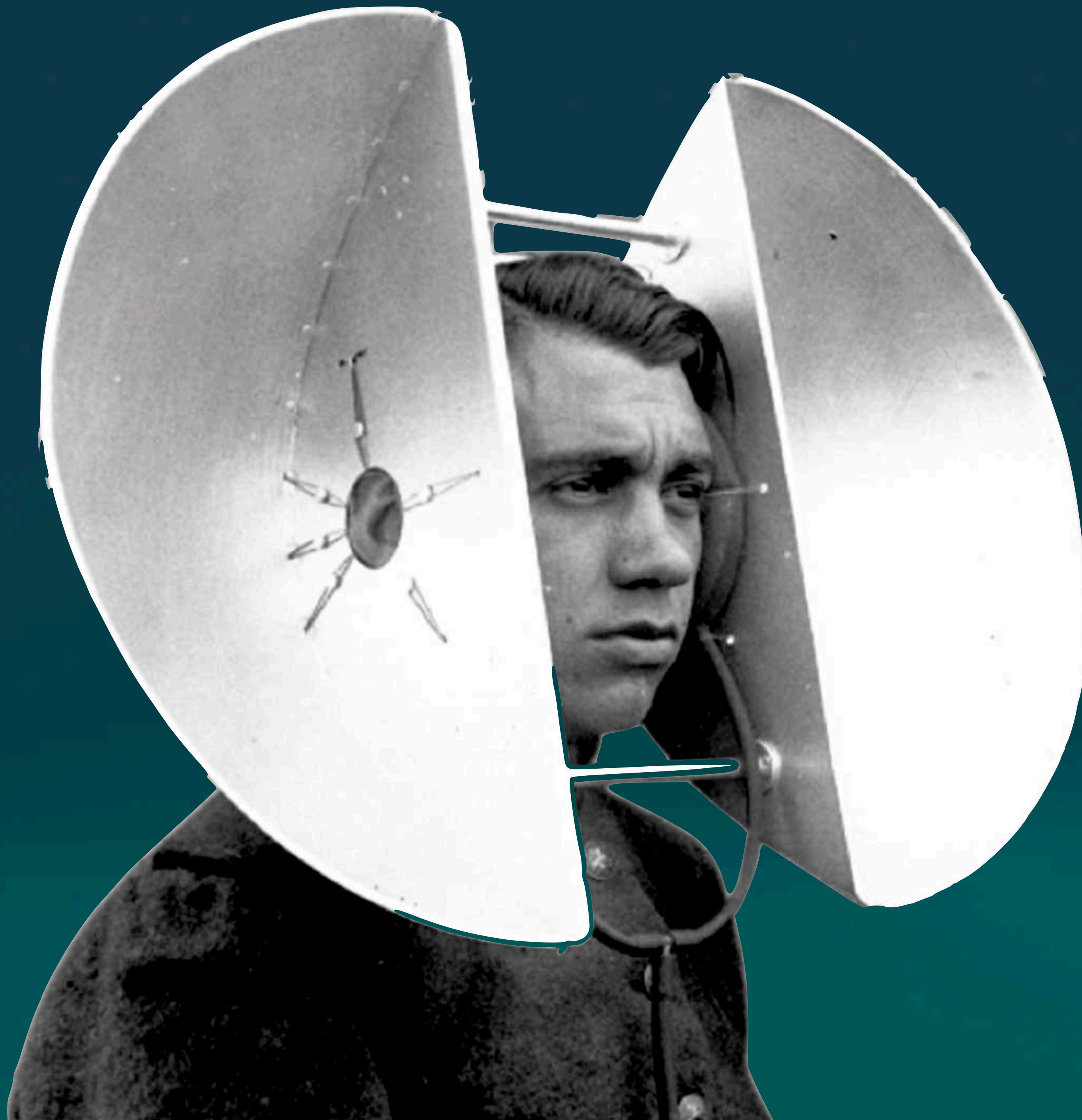
COGNIFICATION

AUGMENTATION

AUTOMATION

DEHUMANISATION





Critical Thinking

In/Foresight

Imagination

Resilience

Questions

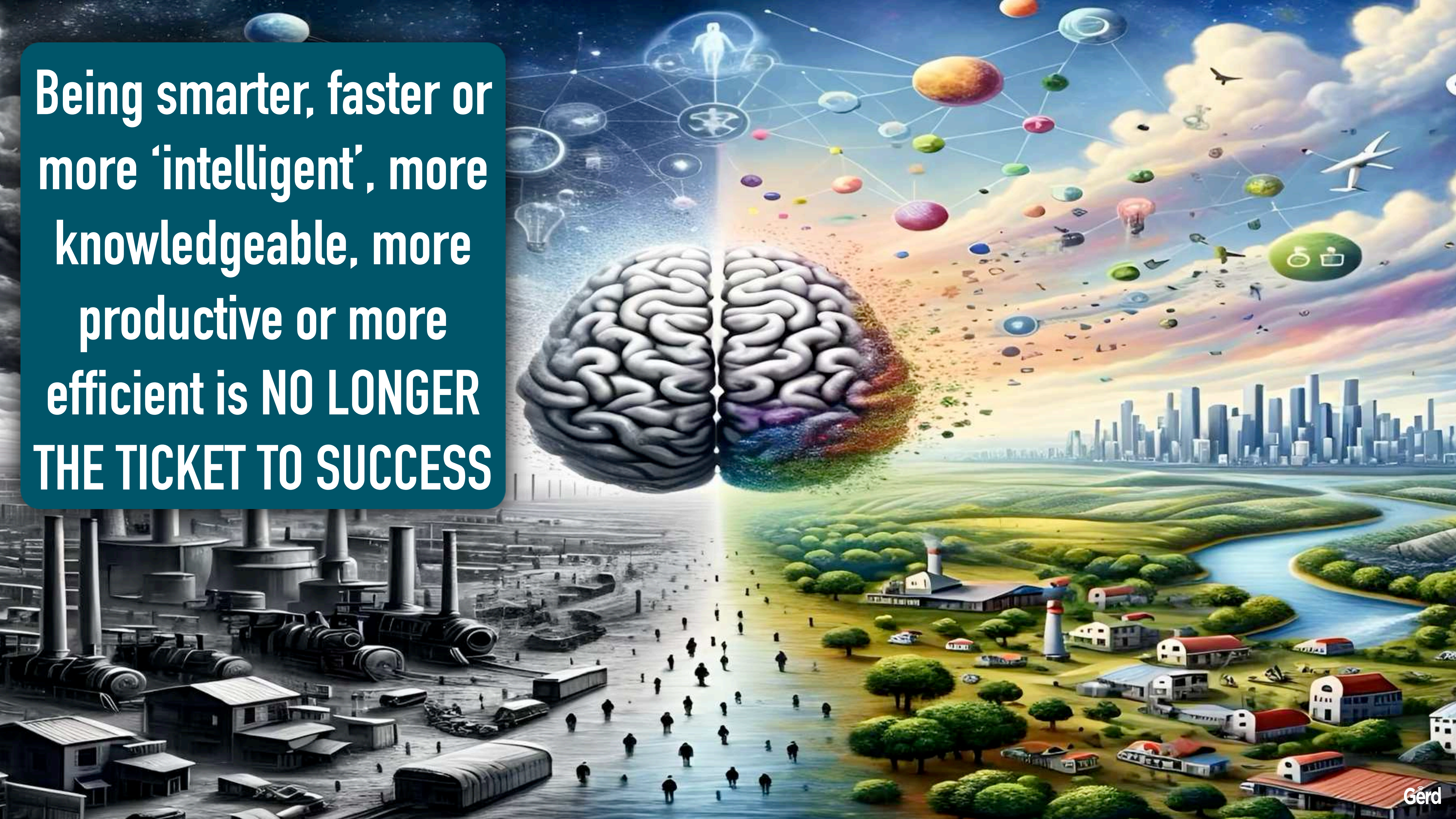
Optimism

Courage

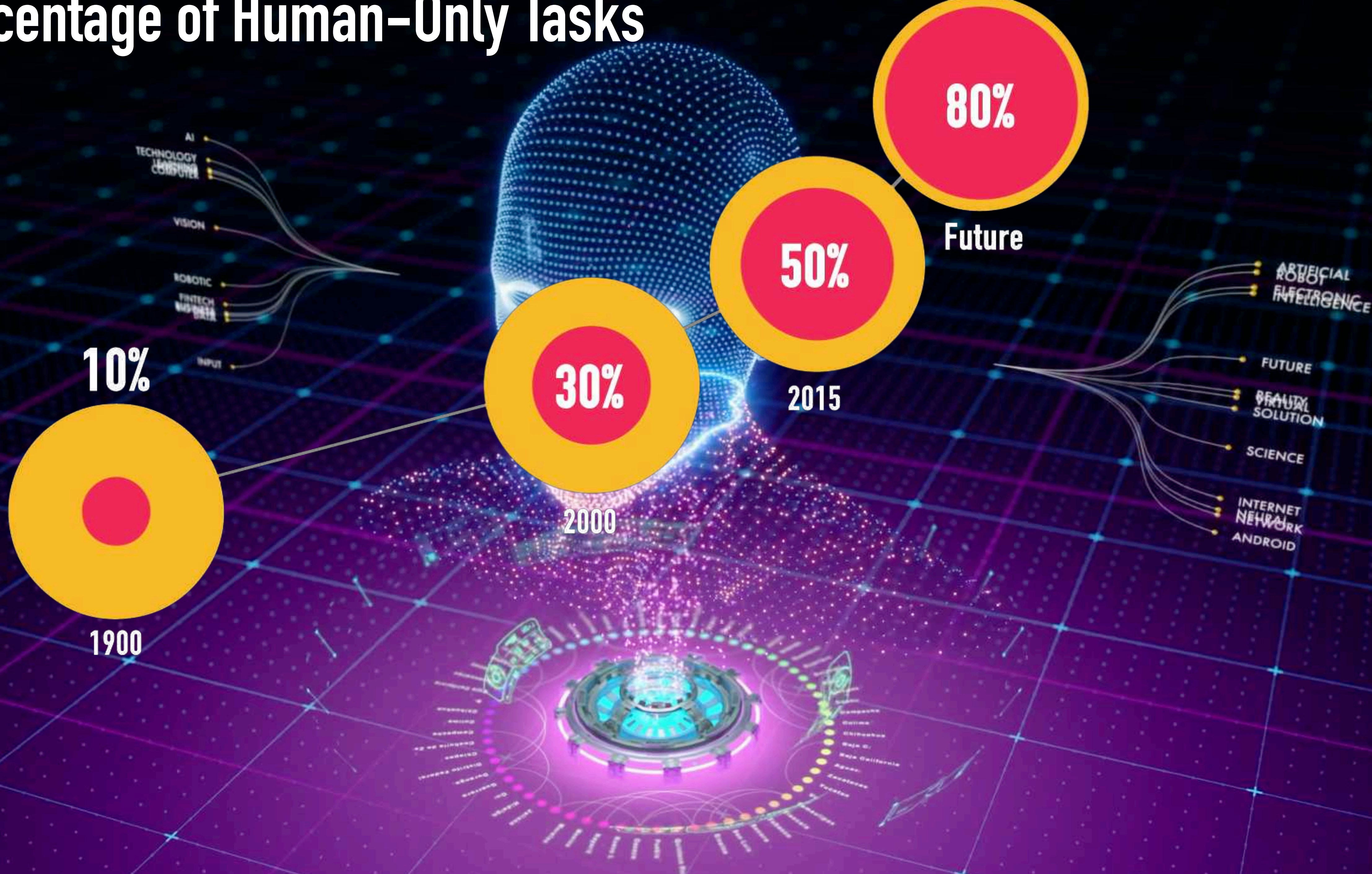
Intuition

Ethics

Being smarter, faster or more 'intelligent', more knowledgeable, more productive or more efficient is NO LONGER THE TICKET TO SUCCESS



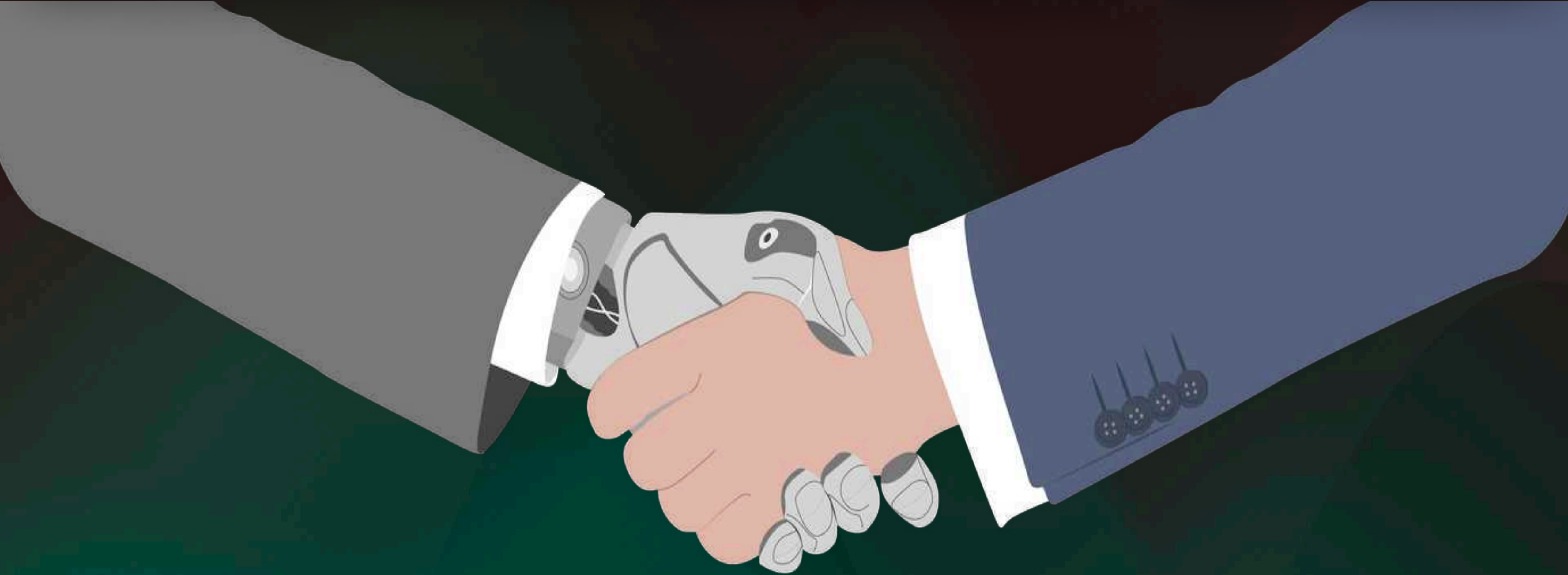
Percentage of Human-Only tasks



The doors aren't closing – they are OPENING



AWESOME HUMANS **WITH** AMAZING TECHNOLOGY



YOUR MINDSET CONTAINS YOUR FUTURE

THE FUTURE IS SOMETHING **WE MAKE**

**“We are to be architects of
the future, not its victims”**

(Buckminster Fuller)



AI is a power-tool: Engage but use it with care!

