

Technology and Humanity: Making The Good Future a Reality

Gerd Leonhard, Futurist & Humanist, Founder of The Good Future Project at TedX Cluj 2023

**“The real problem of humanity is the following:
We have Paleolithic emotions, medieval institutions
and godlike technology. And it is terrifically
dangerous.”**

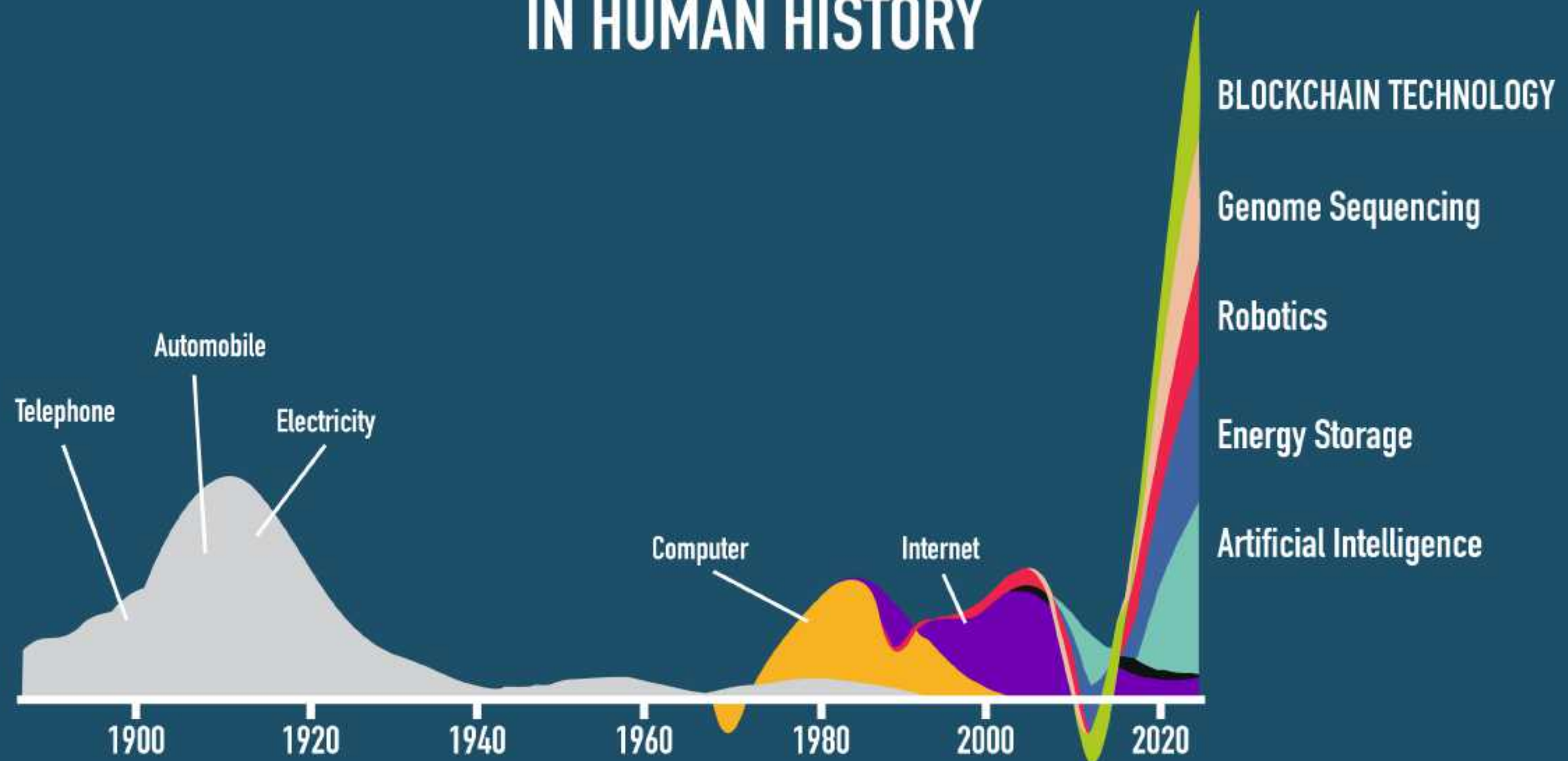
Edward O. Wilson

Source: Grist (via Youtube)



Exponential technological progress: “God-Like Technology” IT COULD BE HEAVEN OR IT COULD BE HELL!

THE LARGEST TECHNOLOGICAL TRANSFORMATION IN HUMAN HISTORY



INFO TECH



BIO TECH



AI TECH



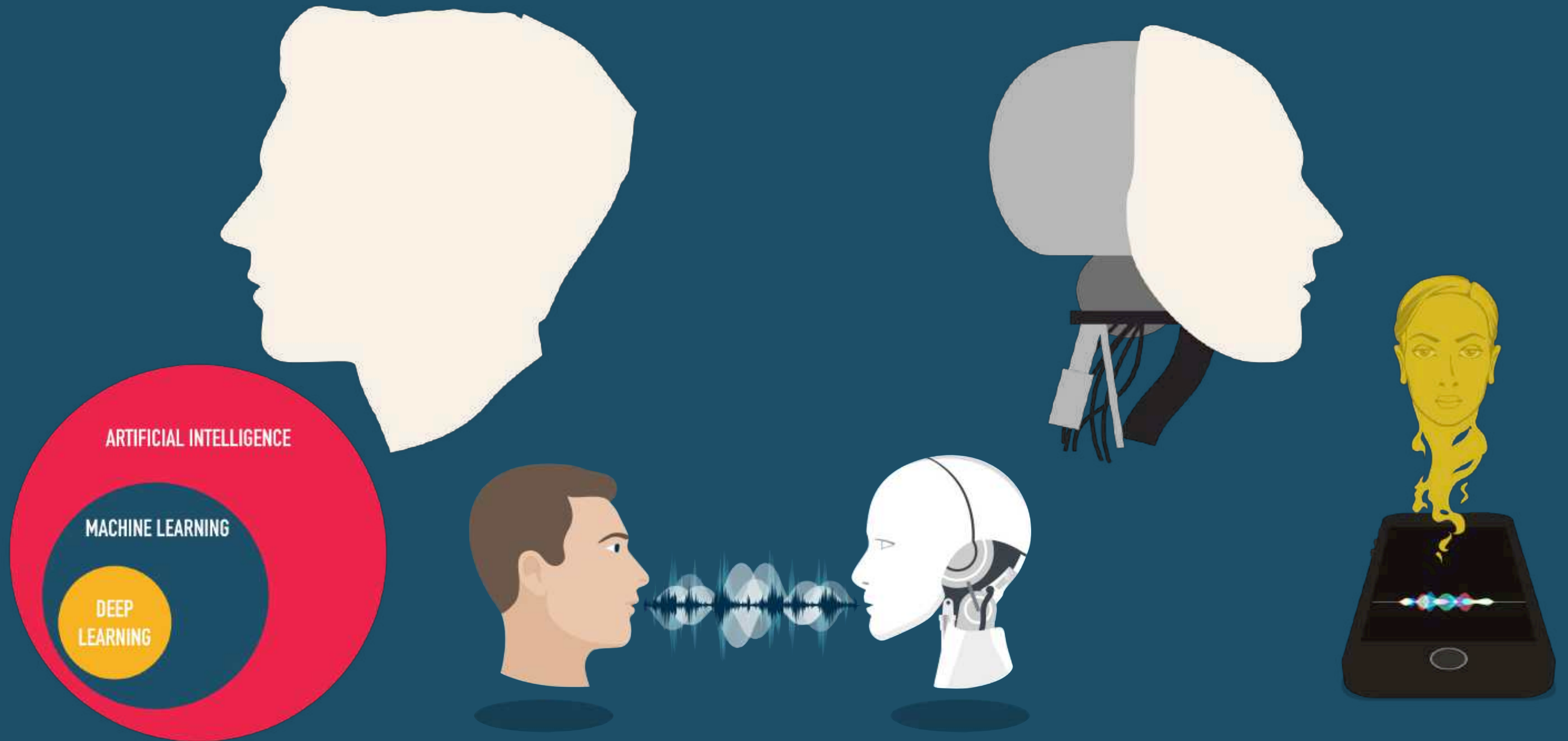
“Intelligence means having the power to shape the world in your interest”

(Stuart Russell, UC Berkeley)

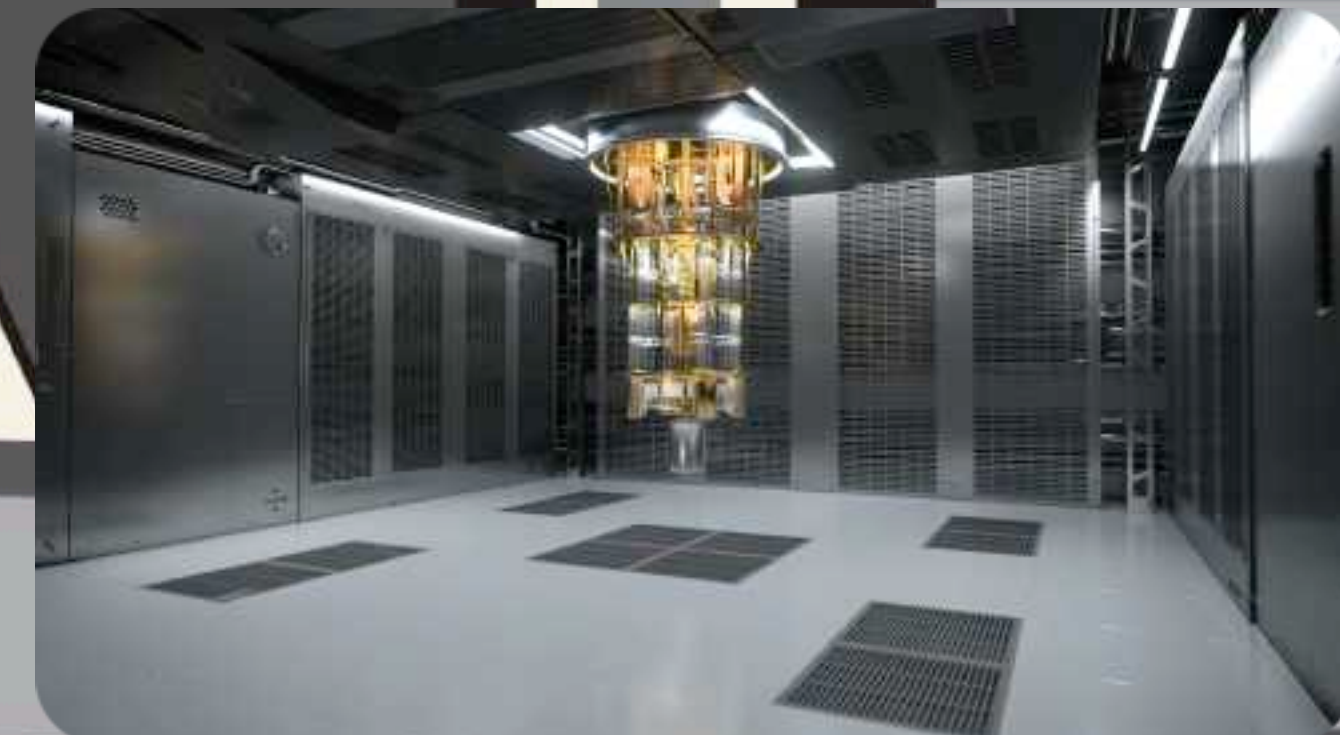
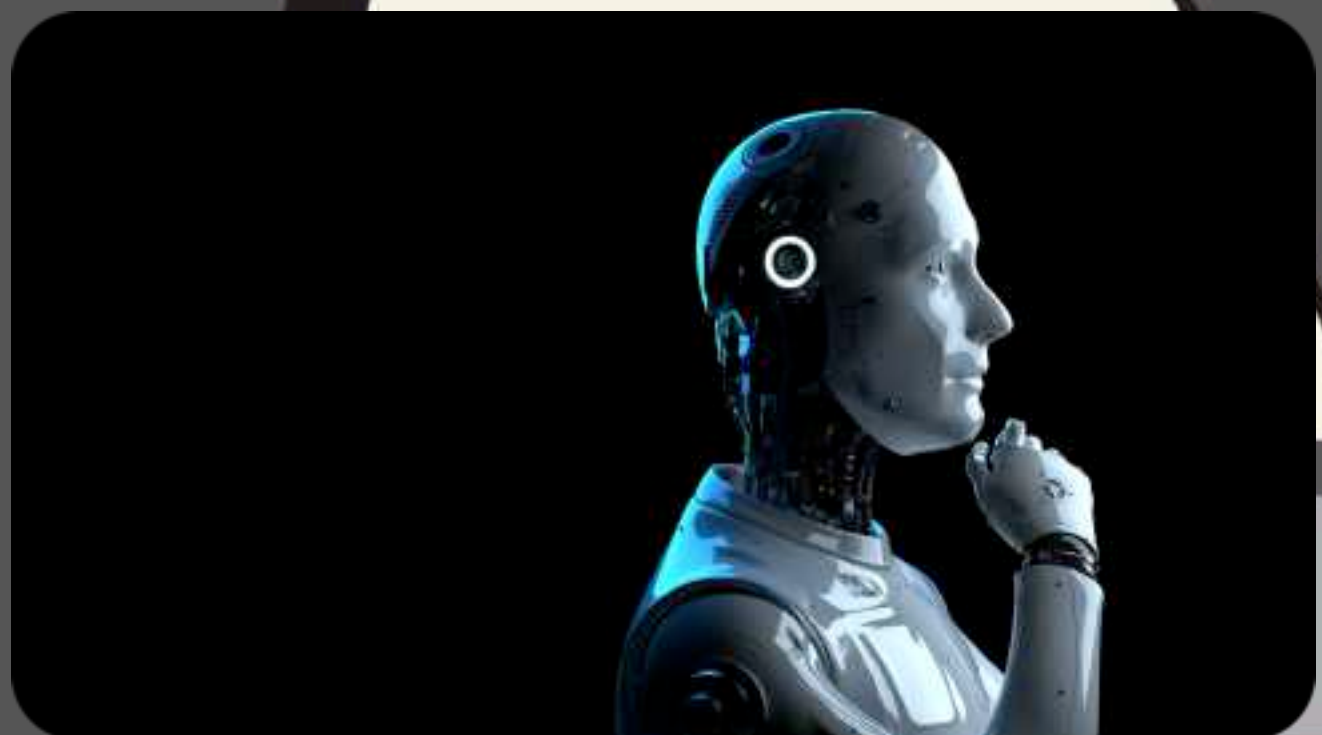
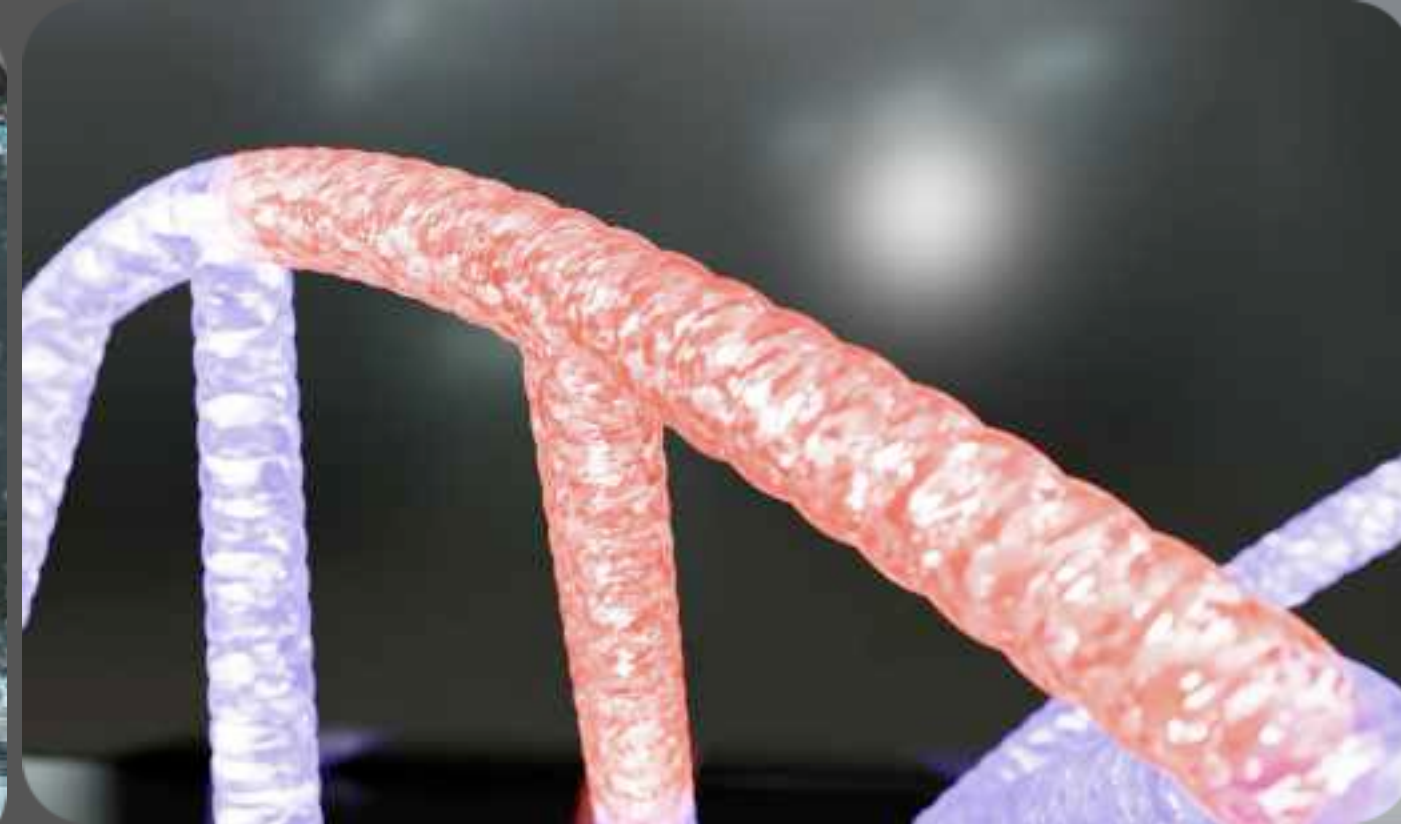
“Artificial General Intelligence: An autonomous system that surpasses human capabilities in the majority of economically valuable tasks”

(Wikipedia)

HI AI



SIX King-Maker Technologies : AI, Quantum Computing, Fusion Energy, Synthetic Biology, Genome Editing, Geo-Engineering



Why?

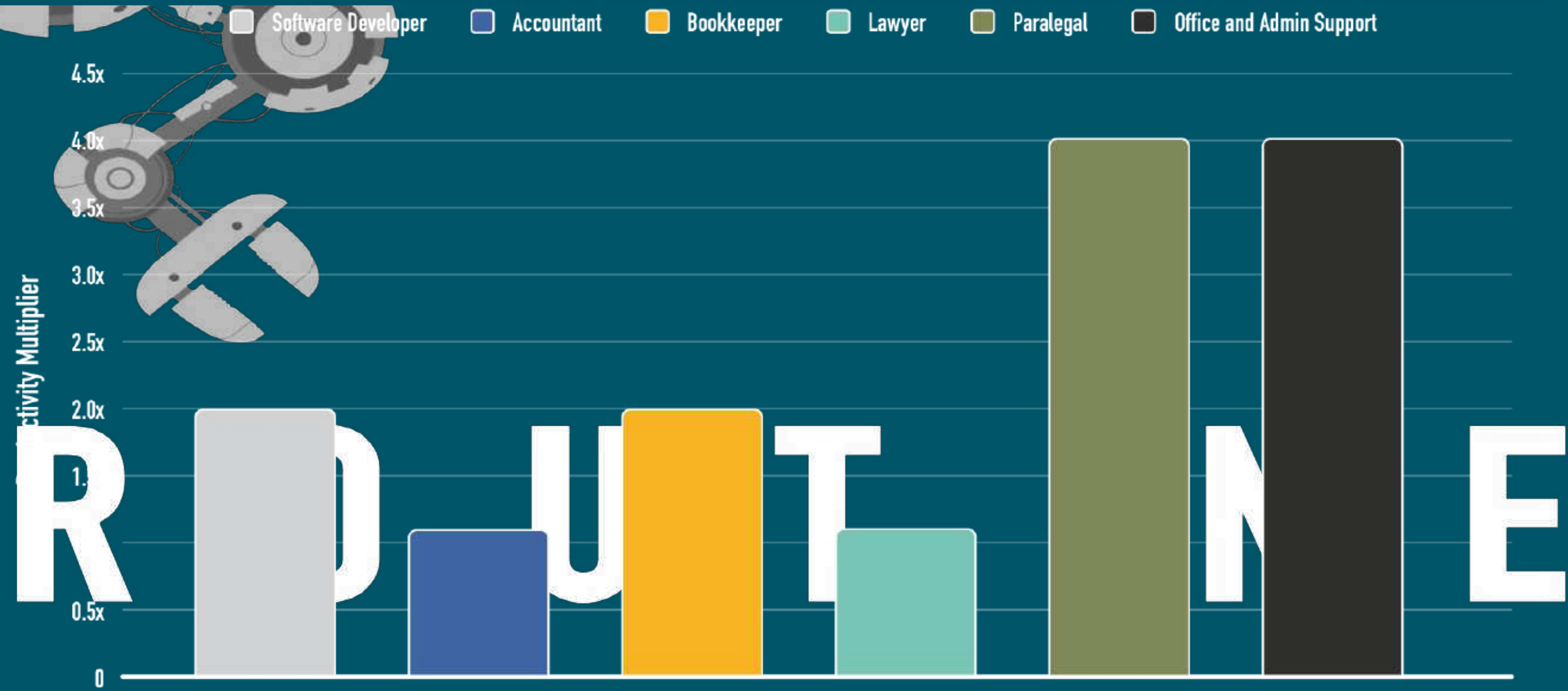


Who?

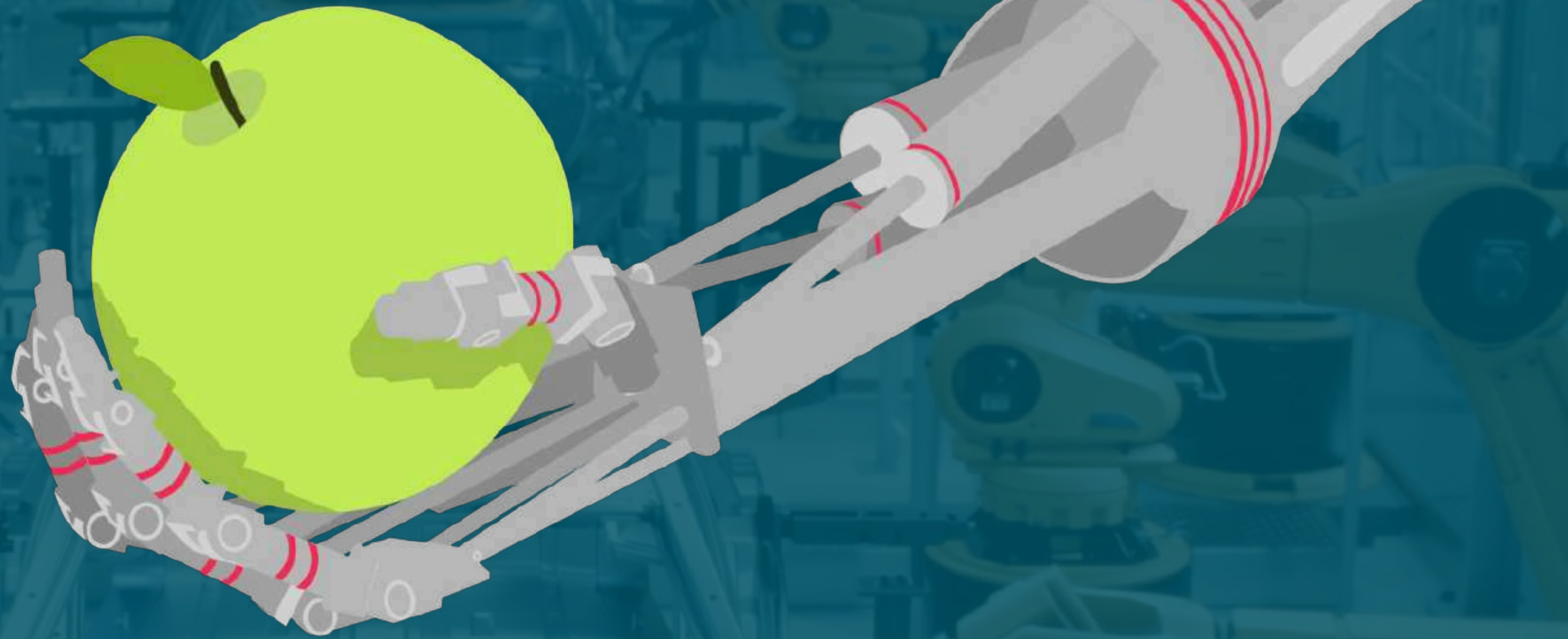
If most routines will be done by machines, and productivity may go up 5x... BUT WHO BENEFITS?

AI: “turning information and data into knowledge”

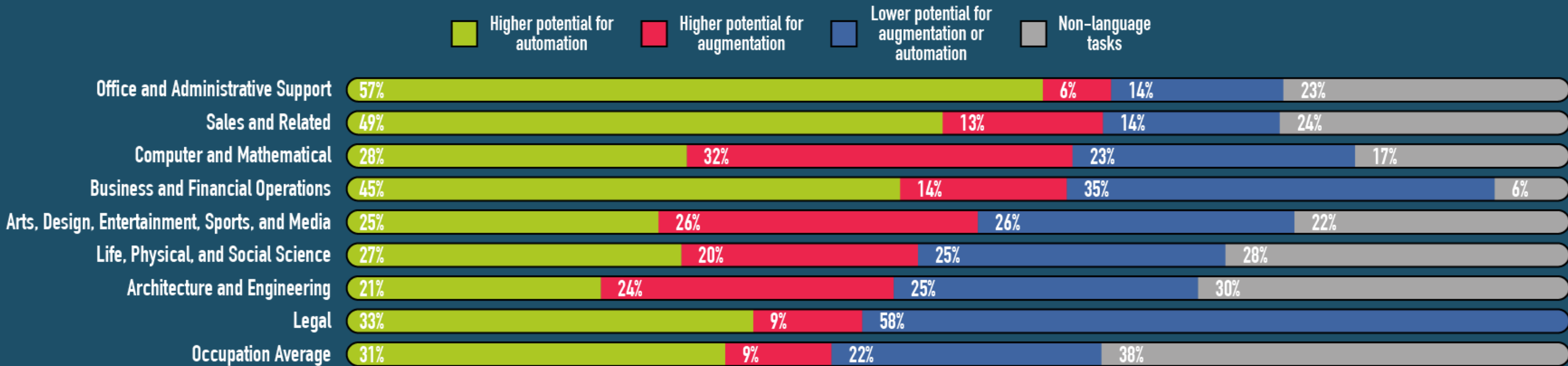
Demis Hassabis



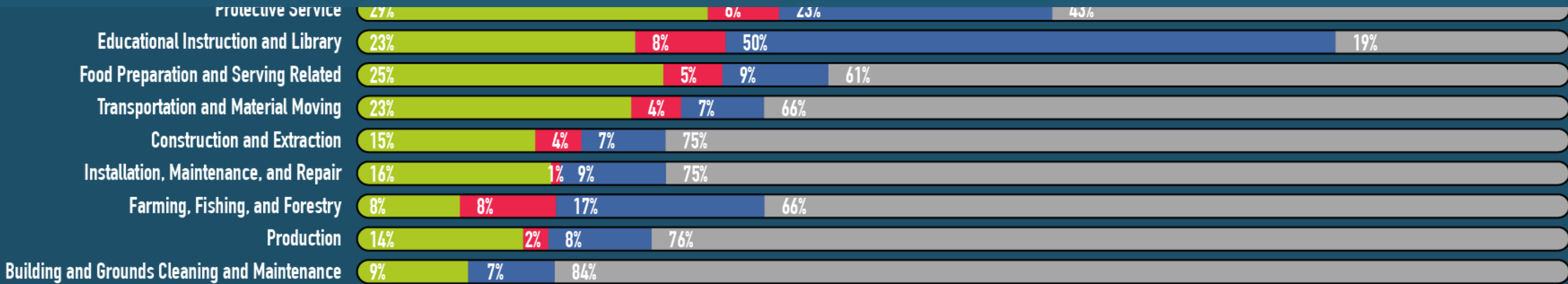
**“Automation is good for growth and bad for equality”
(Christine Lagarde, the IMF)**



GENERATIVE AI WILL TRANSFORM WORK ACROSS EVERY JOB CATEGORY



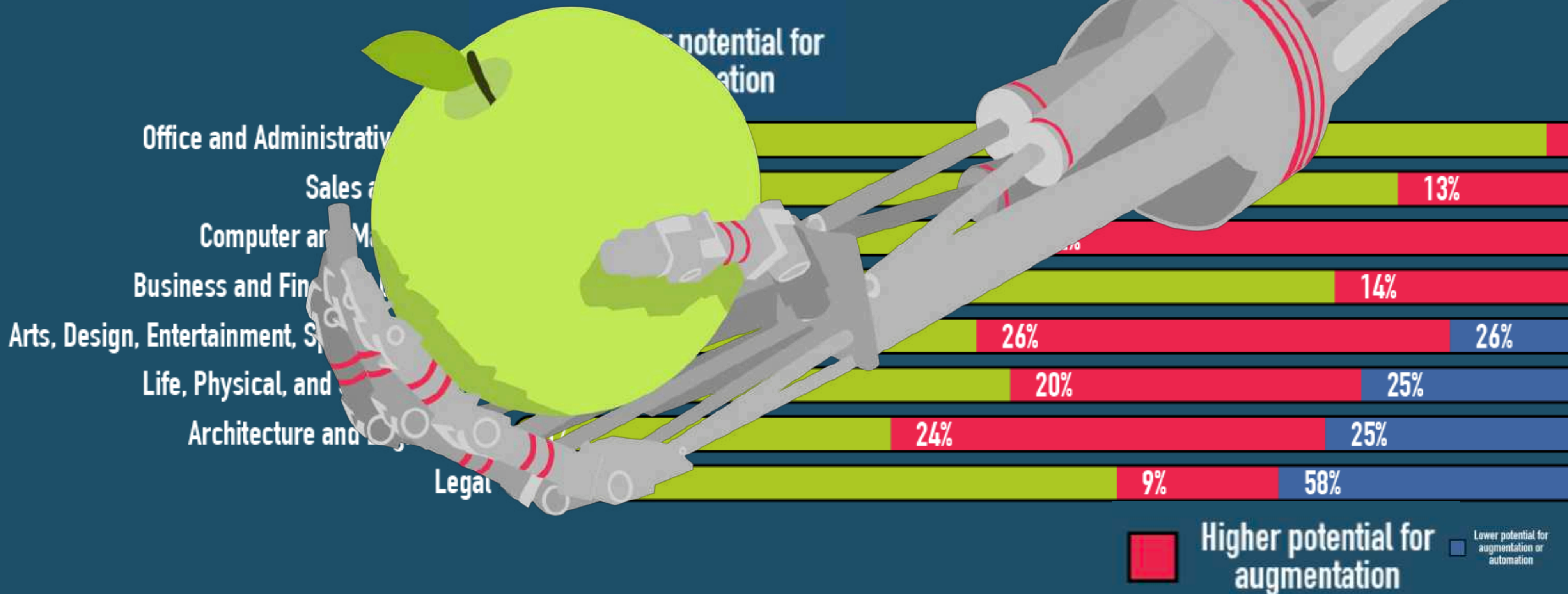
Now, AI impacts KNOWLEDGE WORKERS



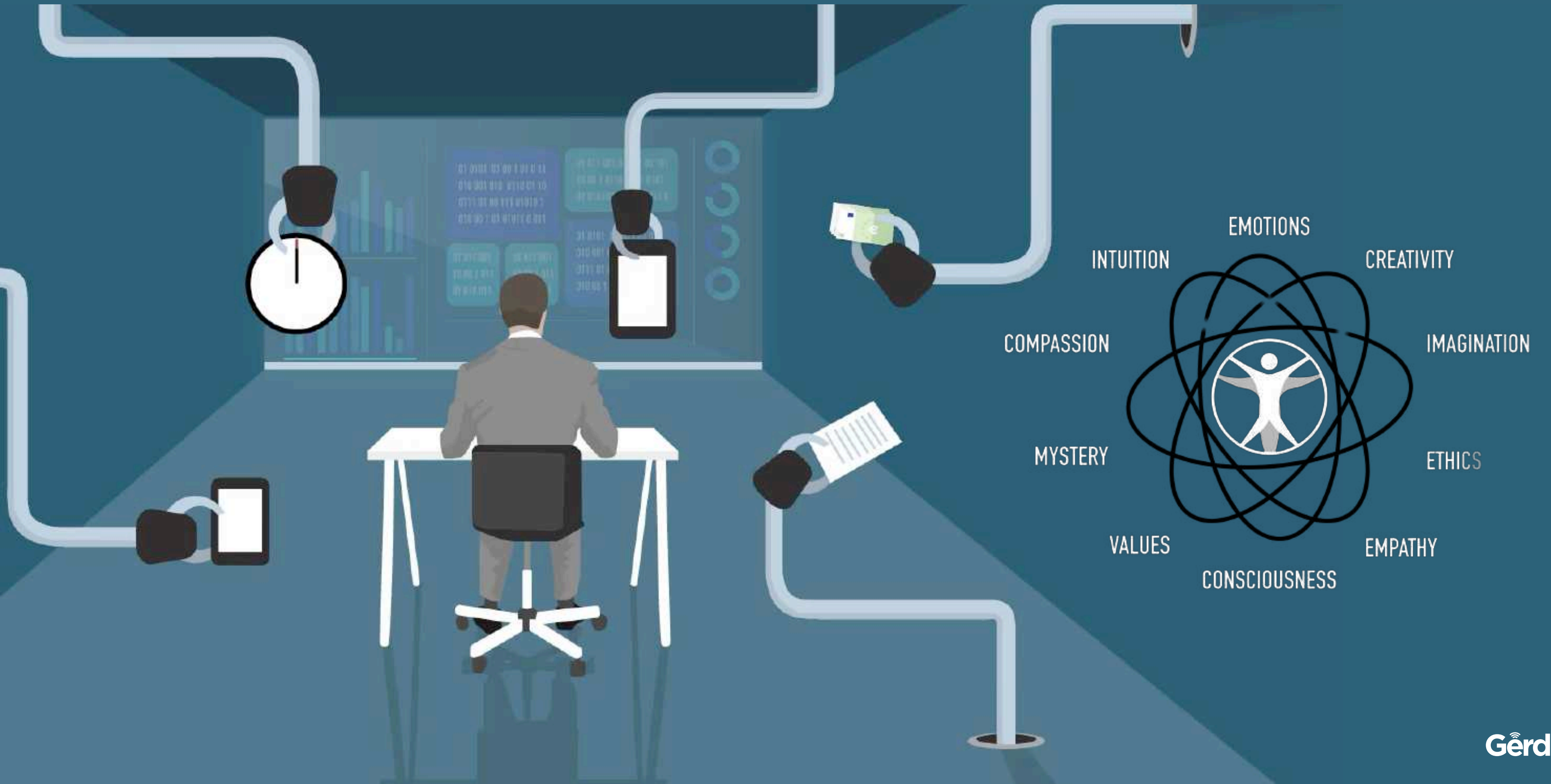
Source: Accenture

! KNOWLEDGE WORKERS !

“In the years ahead, generative AI including ChatGPT could disrupt — not necessarily replace — 30% of jobs across the globe, according to Goldman Sachs. Experts expect AI to mostly impact white-collar jobs.”



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



**Human-
Only
Turf**



PURPOSE

WISDOM

UNDERSTANDING

TACIT KNOWLEDGE

DEEPER KNOWLEDGE

INTELLECTUAL KNOWLEDGE / LOGIC

DATA AND INFORMATION

**Machine
Turf**

Sam Altman, CEO, OpenAI:

**“The coming change will center around the most impressive of human capabilities:
THE PHENOMENAL ABILITY TO THINK, CREATE, UNDERSTAND, AND REASON.**



**ARTIFICIAL
GENERAL
INTELLIGENCE**

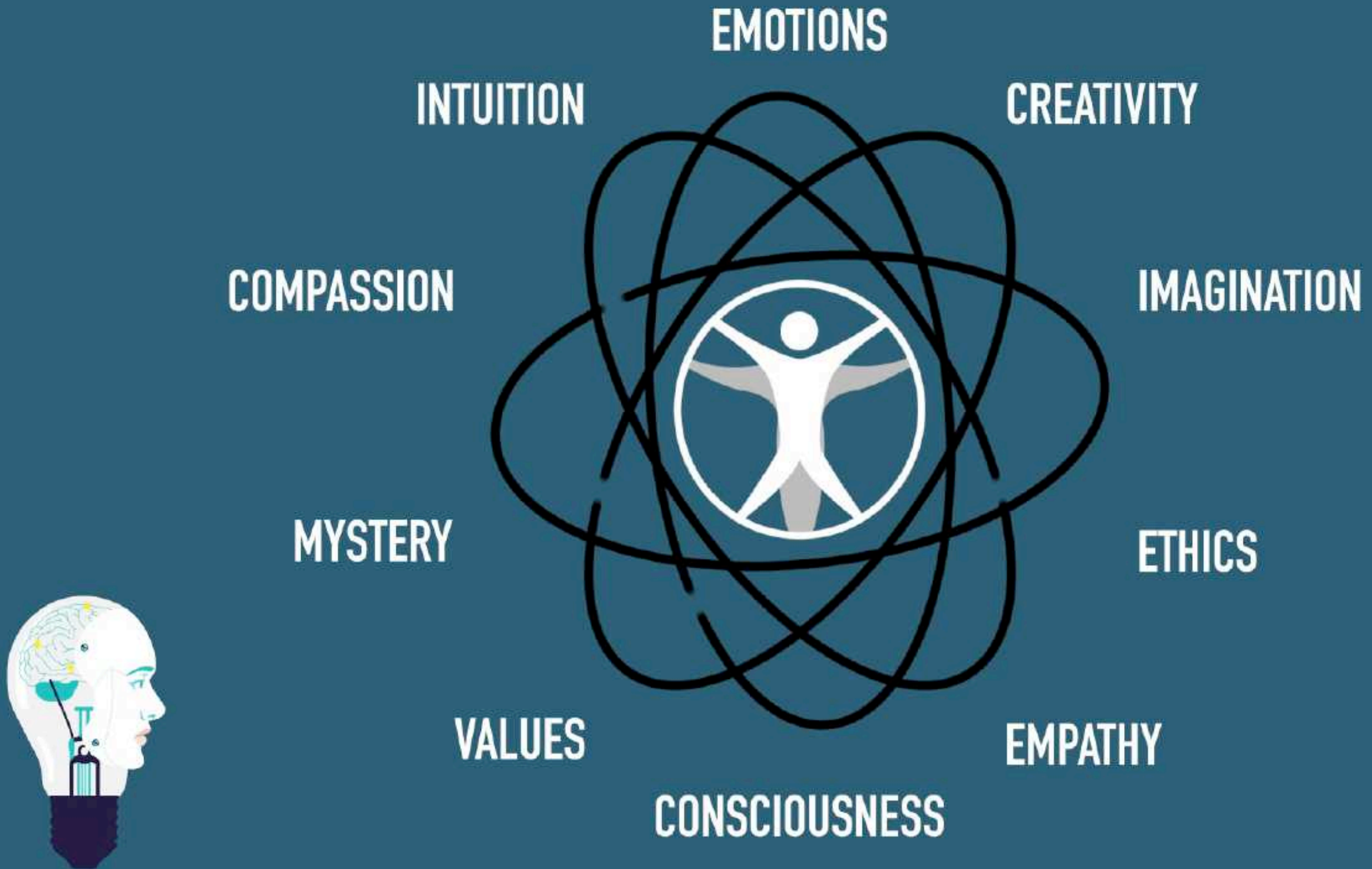
AGI: An autonomous system that surpasses human capabilities in the majority of economically valuable tasks

The Reductionism of AI: 3% of Human Reality

Machines DON'T 'Think' | Understand | **CARE**

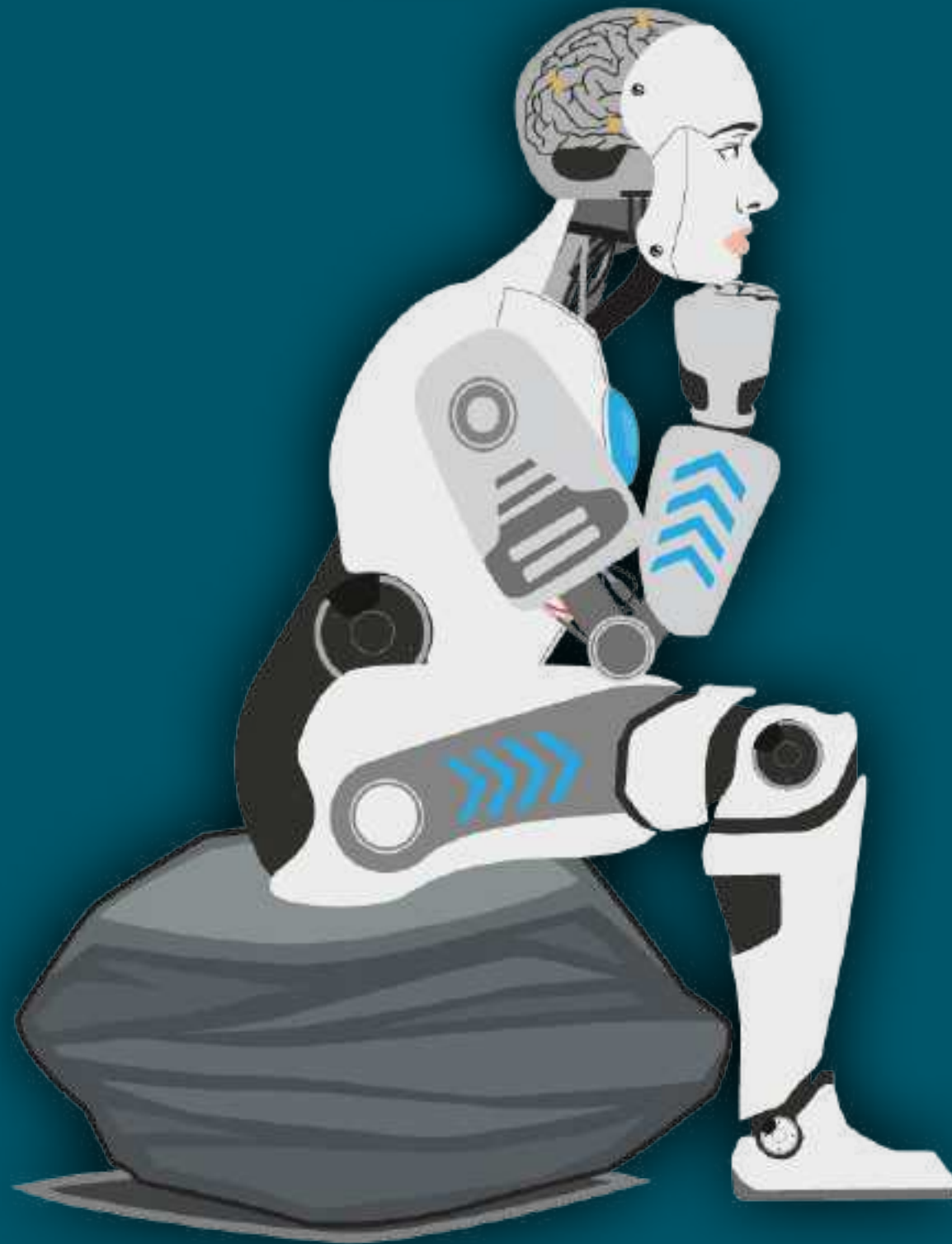


Algorithms know the LOGIC of everything but the MEANING of nothing

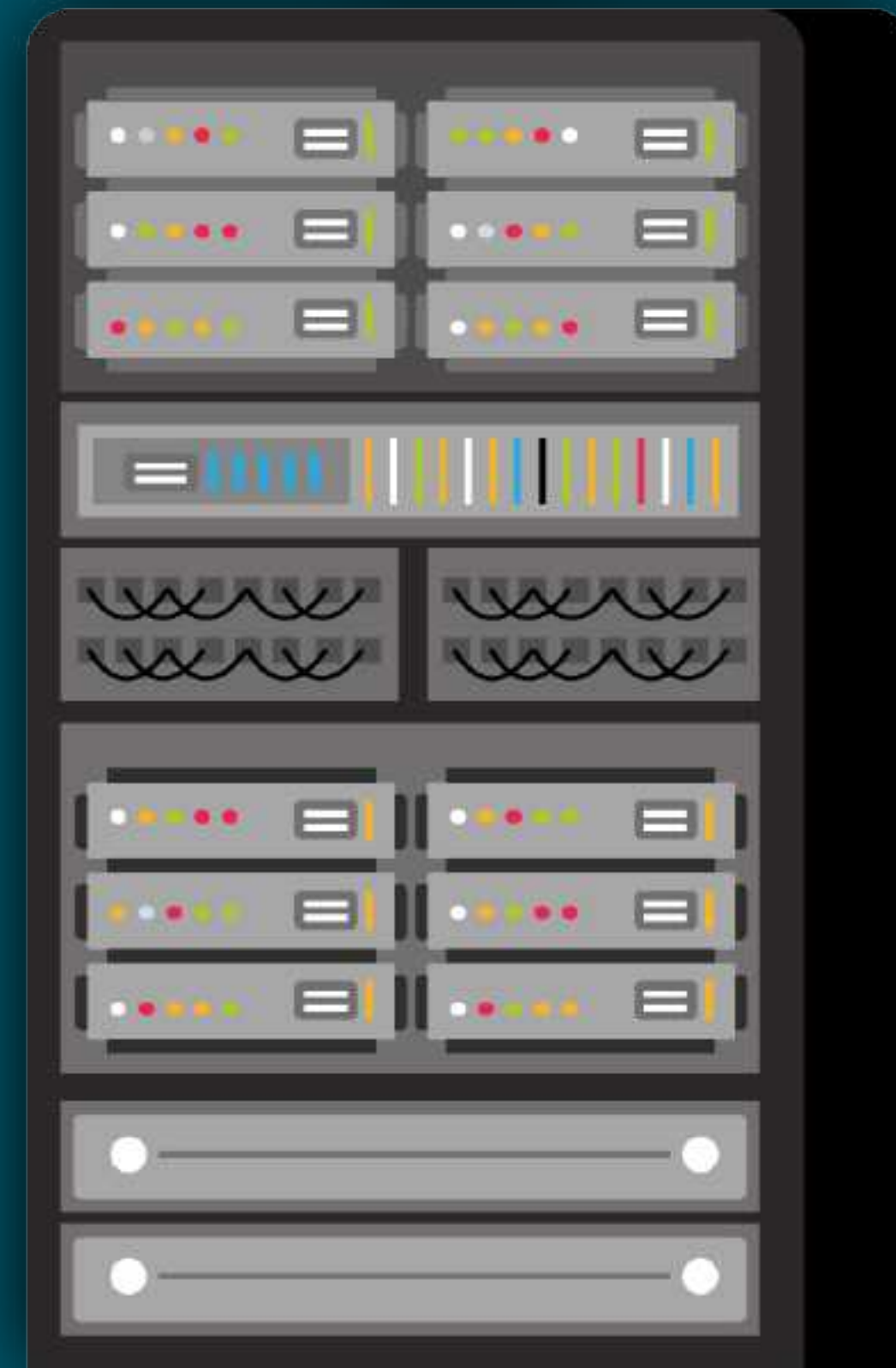


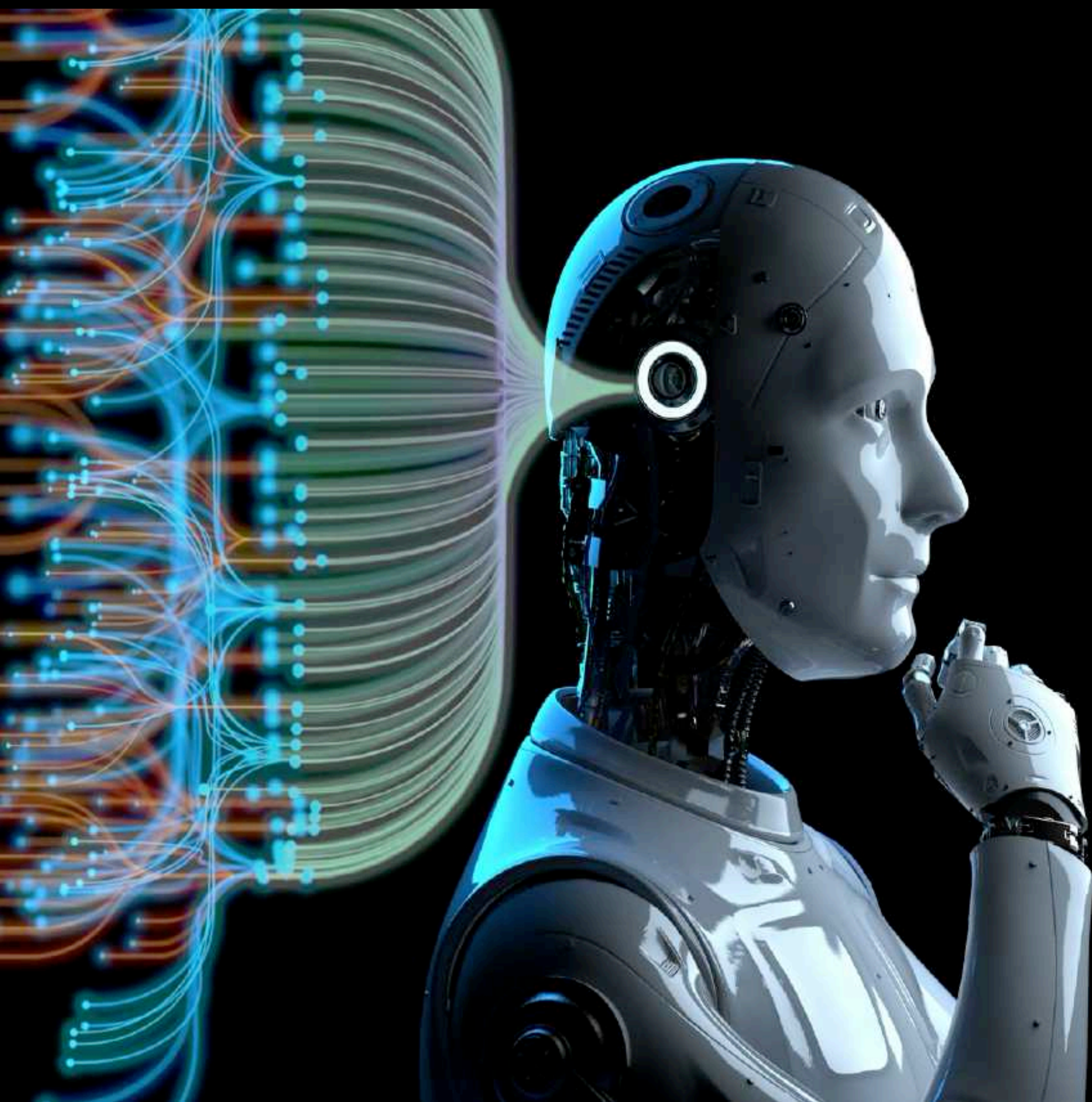
“Technology can do great things – but it does not want to do great things;
it doesn’t want anything” Tim Cook (CEO, Apple)

What People Think
It Looks Like



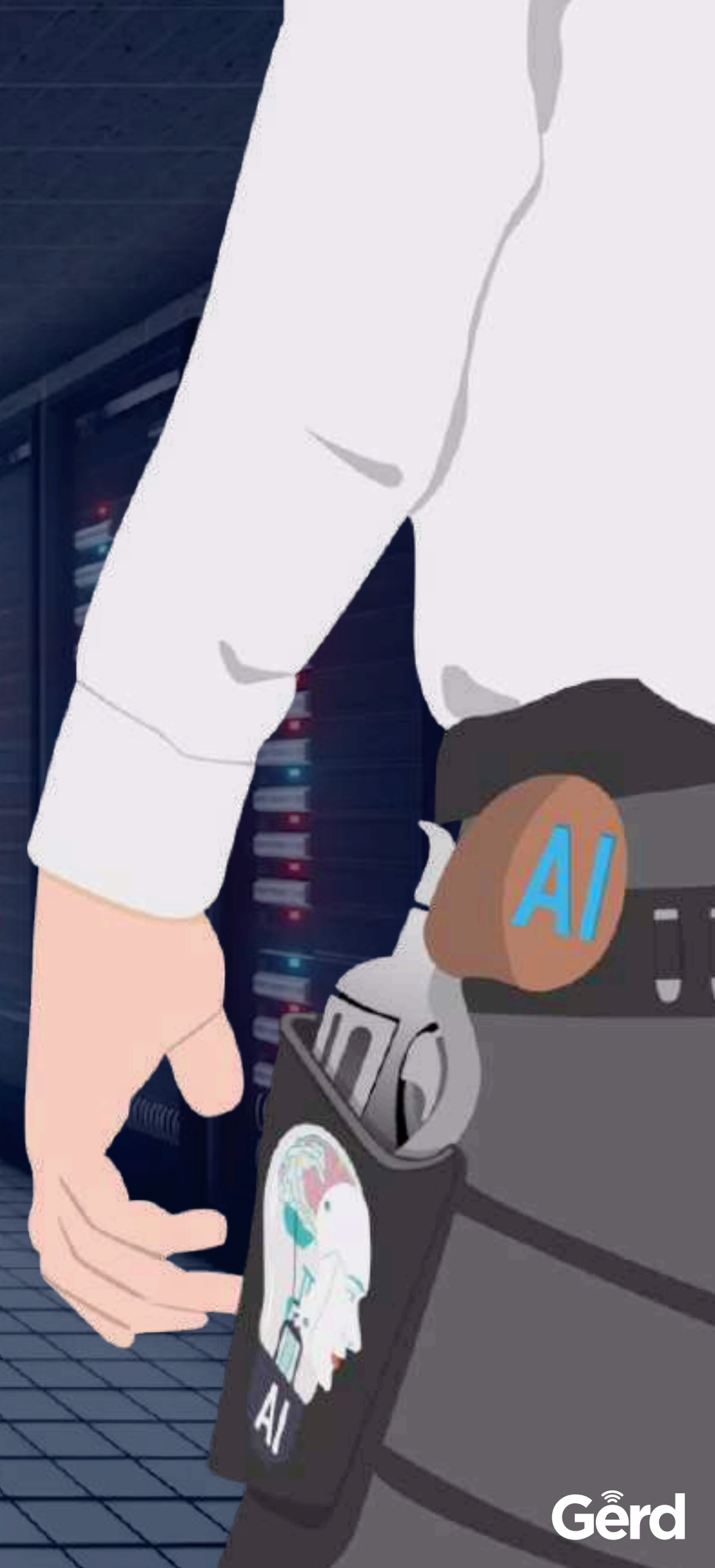
What It Actually
Looks Like





HALLUCINATIONS
MANIPULATIONS
BIAS & ERRORS
CONFUSION
REDUCTIONISM
ABDICATION
FALSE NARRATIVES

Societies are driven by
their technology but
defined by their
HUMANITY

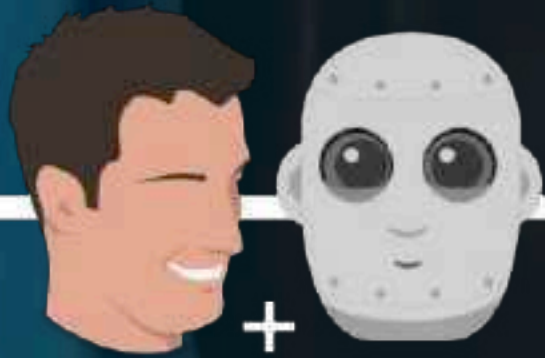


Technology^X: Who will be mission control for humanity?

ASSISTED INTELLIGENCE



AUTOMATION



AUGMENTED INTELLIGENCE



AUTONOMOUS INTELLIGENCE



Pause Giant AI Experiments: An Open Letter

We call on all AI labs to immediately pause for at least 6 months the training of AI systems more powerful than GPT-4.



The Elders urge global co-operation to manage risks and share benefits of AI

SEOUL, 31 May 2023

Statement: The Elders today call on world leaders to work together urgently on the design of strong international governance, to allow all humanity to take advantage of the opportunities of Artificial Intelligence (AI), while limiting the enormous risks.

The group of independent world leaders believe AI has the potential to bring great benefits to human life, including health, education and other aspects of the UN Sustainable Development Goals.

AI experts, journalists, policymakers, and the public are increasingly discussing a broad spectrum of important and urgent risks from AI. Even so, it can be difficult to voice concerns about some of advanced AI's most severe risks. The succinct statement below aims to overcome this obstacle and open up discussion. It is also meant to create common knowledge of the growing number of experts and public figures who also take some of advanced AI's most severe risks seriously.

Mitigating the risk of extinction from AI should be a global priority alongside other societal-scale risks such as pandemics and nuclear war.

Signatories:

☒ AI Scientists ☒ Other Notable Figures

Geoffrey Hinton

Emeritus Professor of Computer Science, University of Toronto

Yoshua Bengio

Professor of Computer Science, U. Montreal / Mila

Demis Hassabis

CEO, Google DeepMind

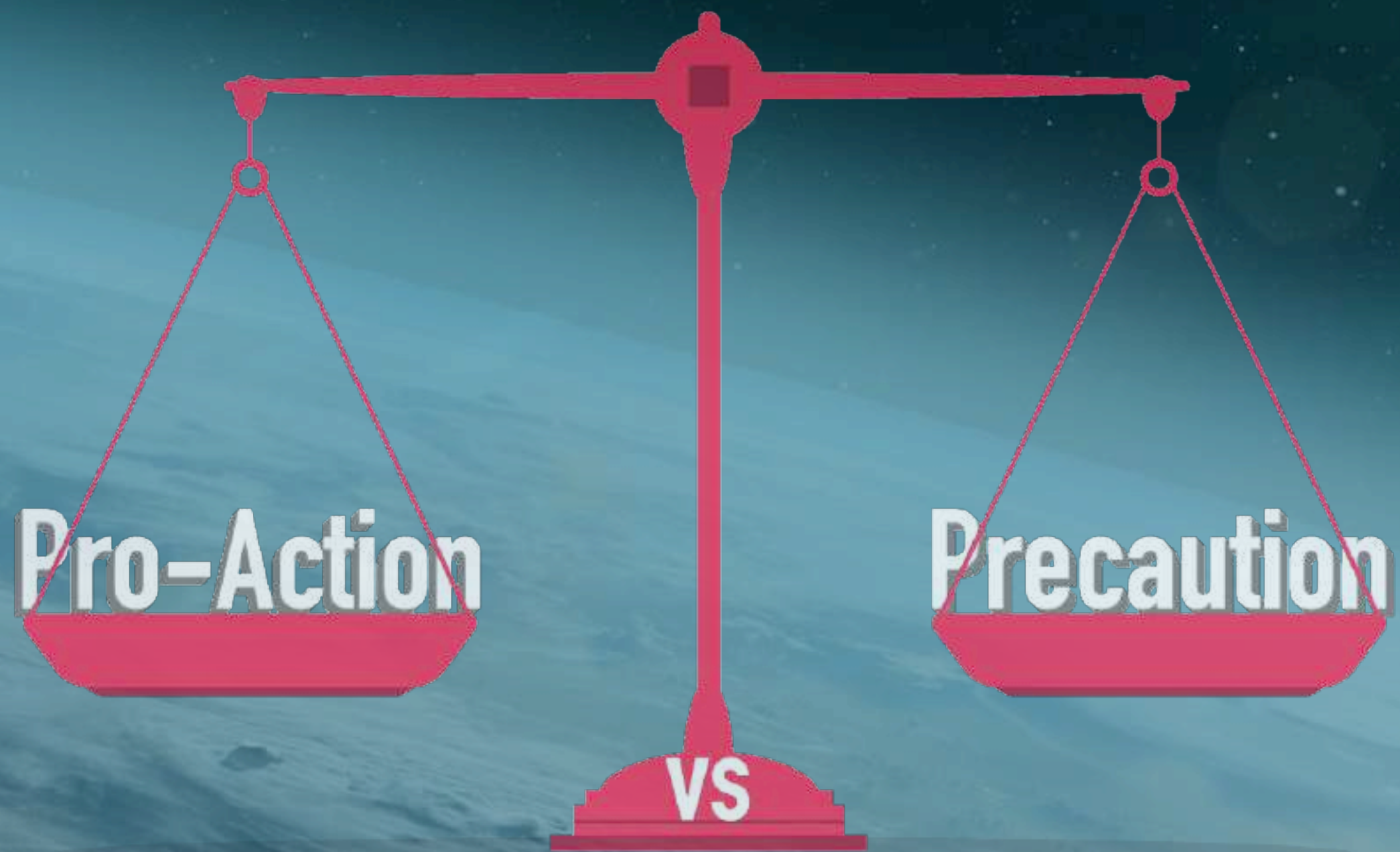
Sam Altman

CEO, OpenAI

Dario Amodei

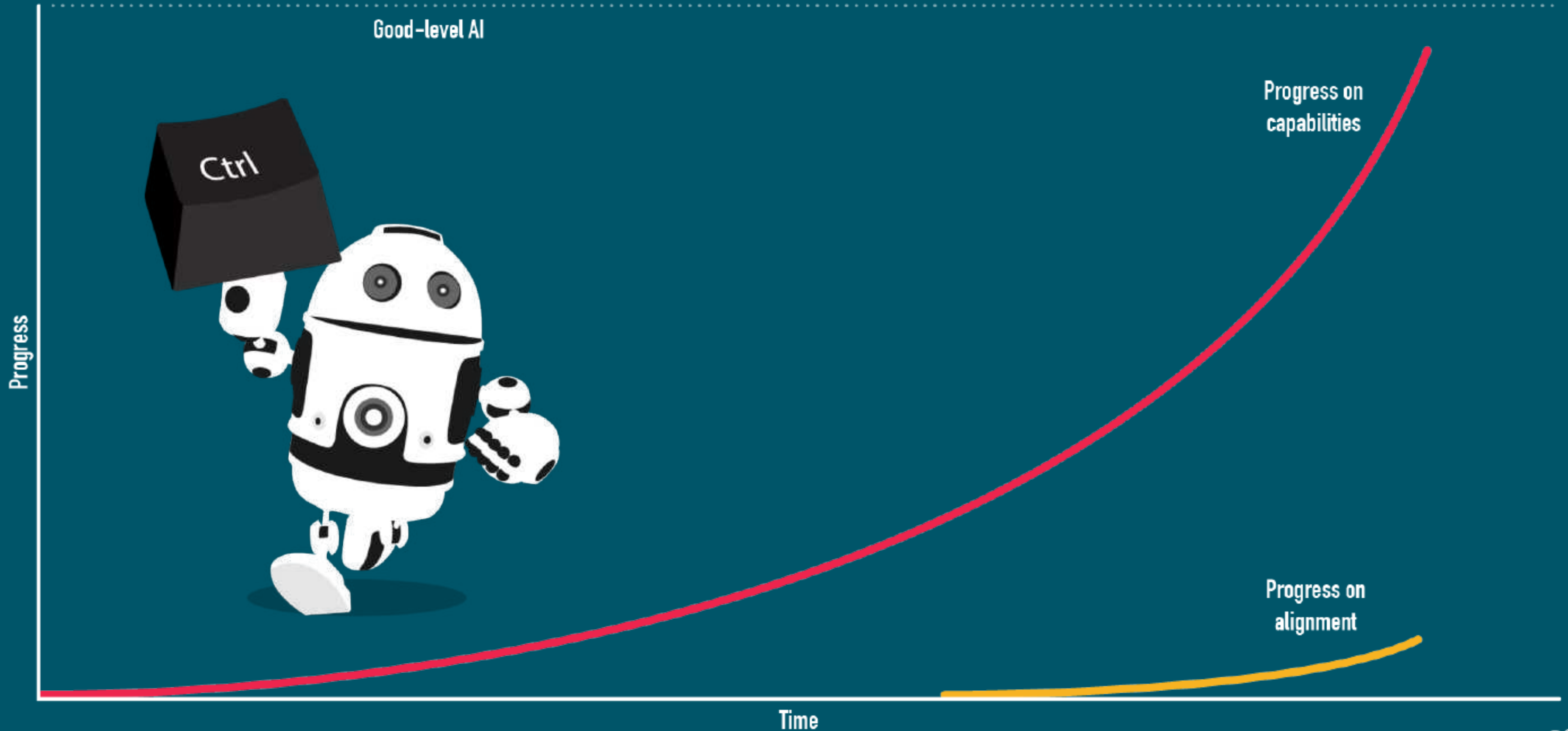
CEO, Anthropic

Center for
AI Safety



TECHNOLOGY HAS NO ETHICS

RESEARCH ON HOW AI SYSTEMS ALIGN WITH HUMAN VALUES LAGS FAR BEHIND PROGRESS ON THEIR TECHNICAL CAPABILITIES



We must invest as much
in our **HUMANITY** than
we invest in
TECHNOLOGY

Susdaq



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

(Buckminster Fuller)

Ask WHY not IF

Train politicians on the Future

Create a new global agency for AI

Create a Global Humanity Futures Council

Organise an ongoing “Good Future Congress”

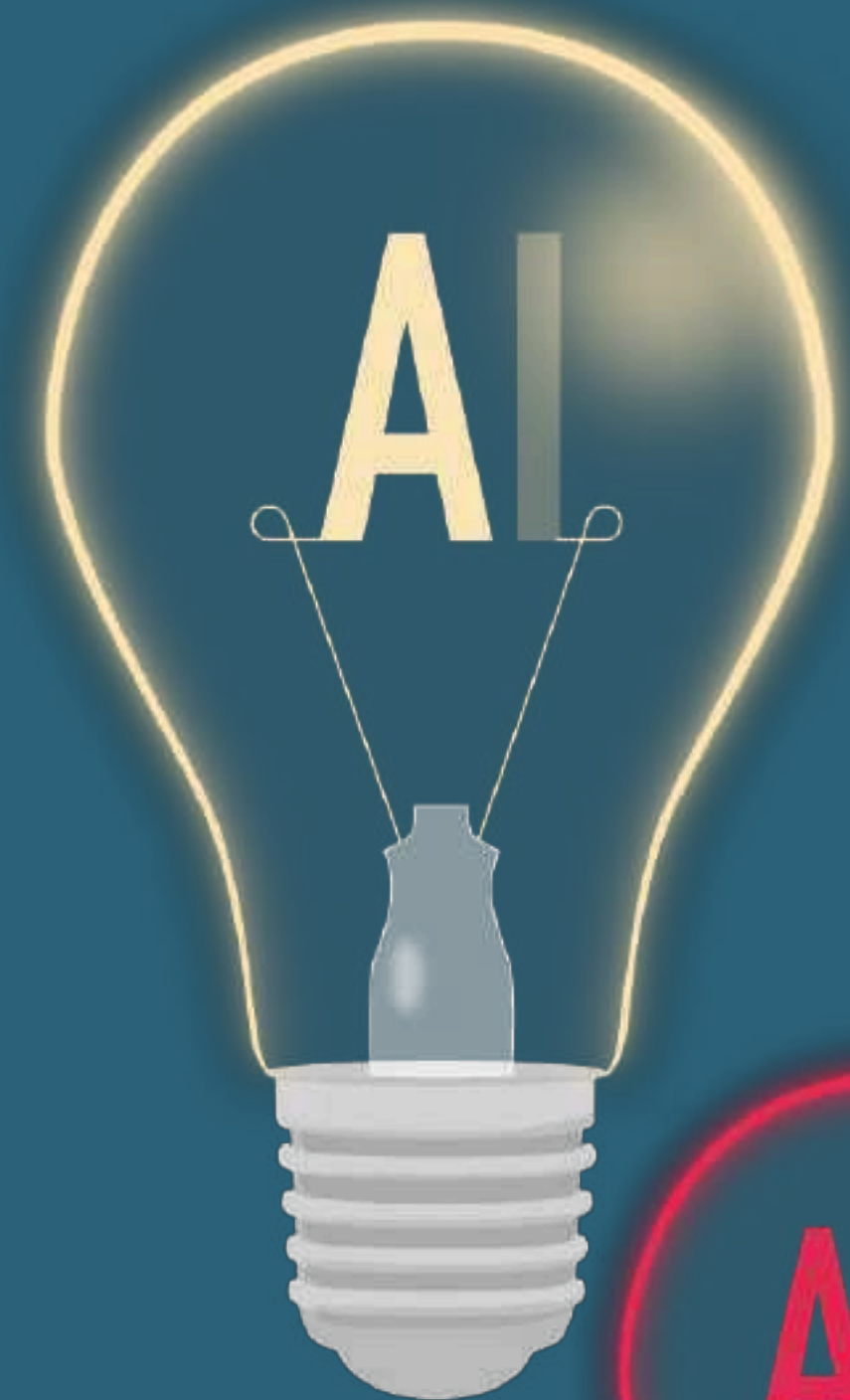
Don't release new AIs without safety checks FIRST

Produce and present positive narratives about the future

Ask technology company leaders to take the technocratic oath

Price companies's stocks on the 4Ps: People Planet Purpose Prosperity

The Technocratic Oath



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        over technology in every decision" </h3>  
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  </noscript>  
</body>
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A new economic logic, a new OS



Susdaq

PEOPLE

PURPOSE

THE GOOD
FUTURE

PLANET

PROSPERITY

Because Technology is not WHAT we seek but HOW we seek



POSITIVITY



ENGAGEMENT



RELATIONSHIPS



MEANING



ACCOMPLISHMENT



The Good Future is entirely possible!

An aerial photograph of a dark, cratered volcanic landscape with patches of green vegetation. A white geometric grid of lines and dots is overlaid on the image. Several small white boxes with numbers are placed at specific grid intersections: '84583' on the left, '2454564' on the right, '14244564' on the left, and '45364676' on the right. Two white lines, one diagonal and one horizontal, intersect within the grid.

THE FUTURE IS BETTER
THAN YOU THINK

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