The Good Future: AI and the Future of Humanity

Gerd Leonhard, Futurist & Public Thinker

techvshuman.com @gleonhard gerdtube.com gerd.cloud futuristgerd.com

THE GREAT ENTERPRISE REINVENTION

HFS

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THE GOOD
FUTURE

CHOICES BASED ON WHAT WE WANT TO BE, NOT WHAT WE CAN BE

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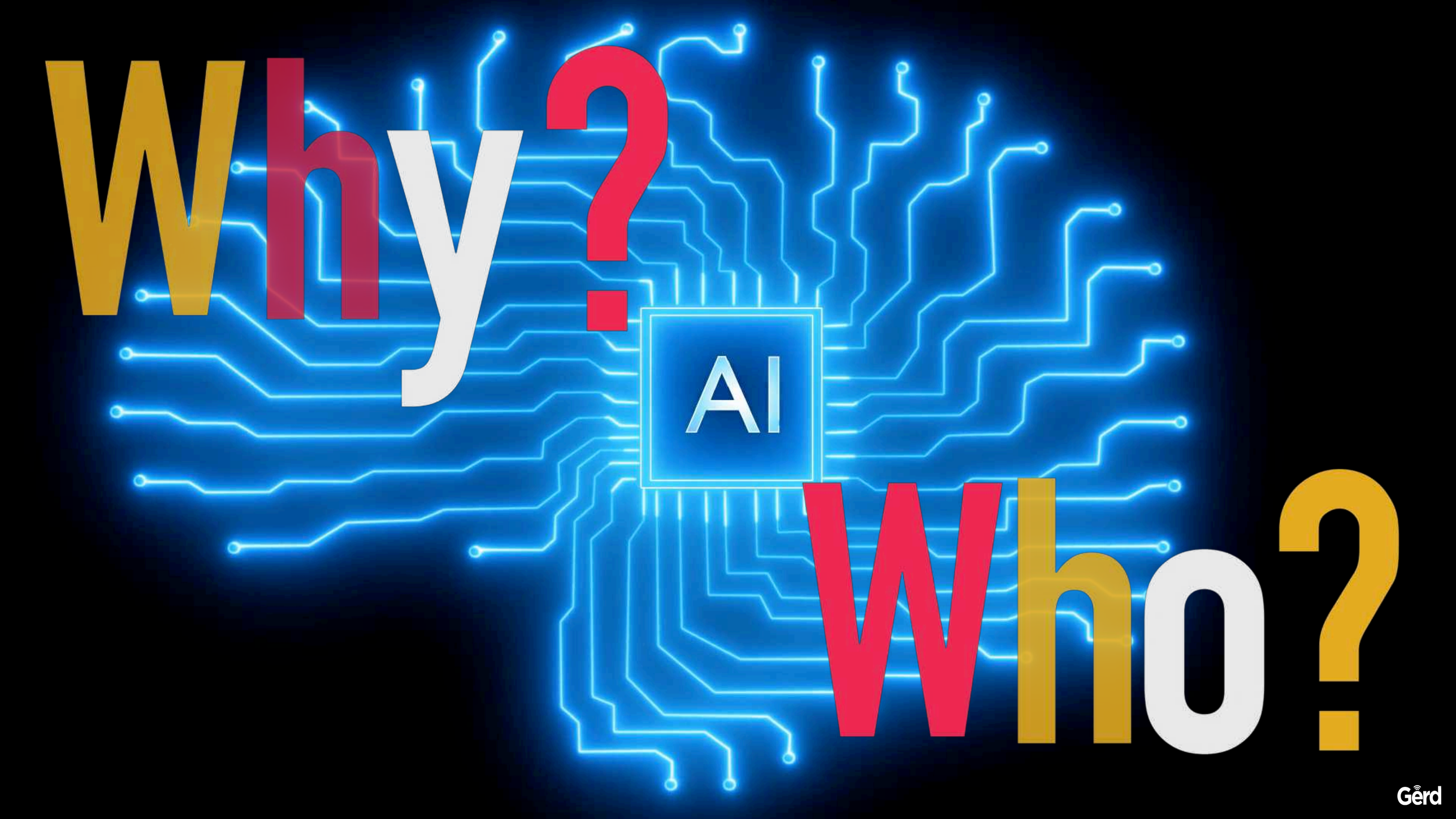
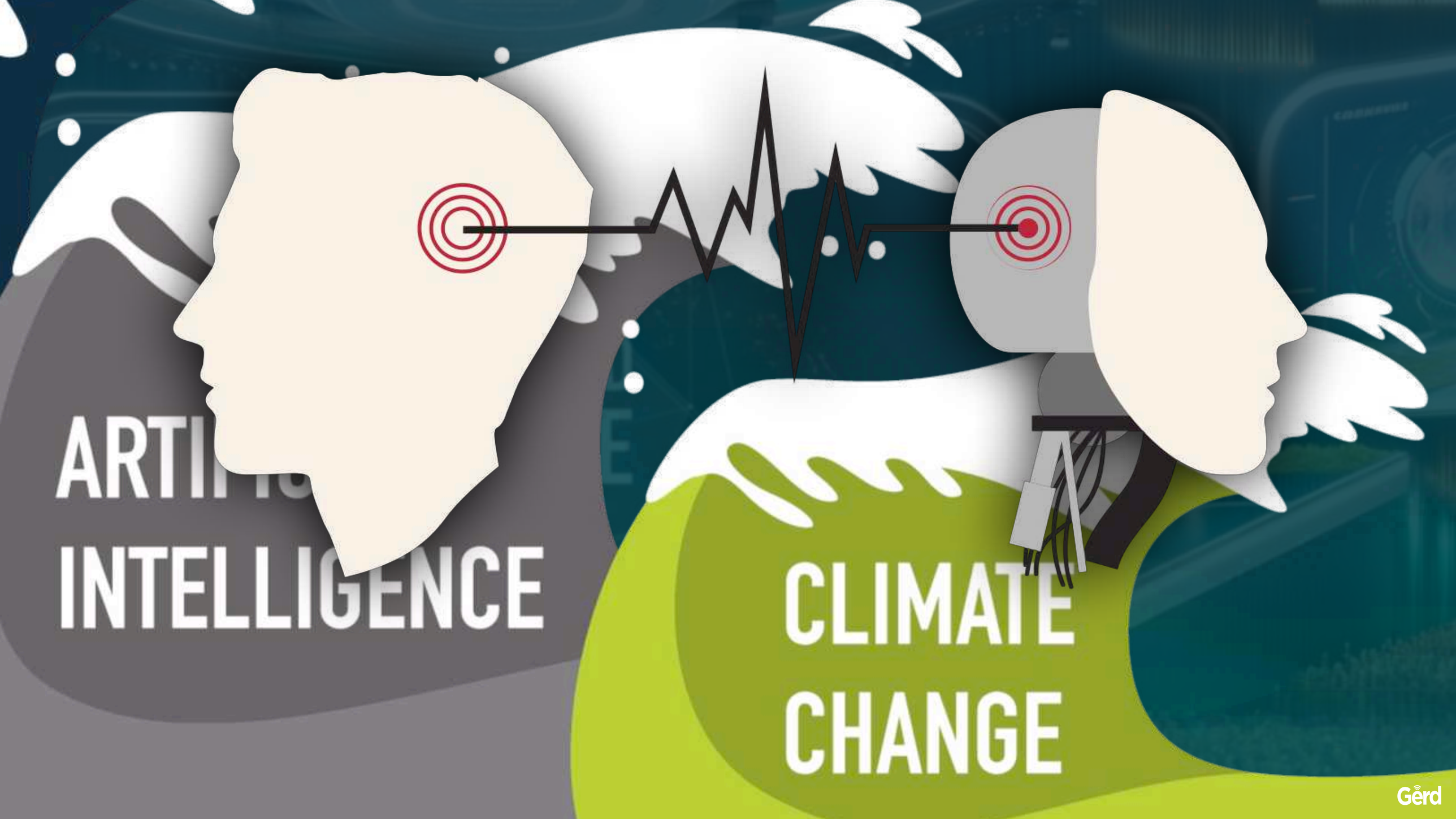
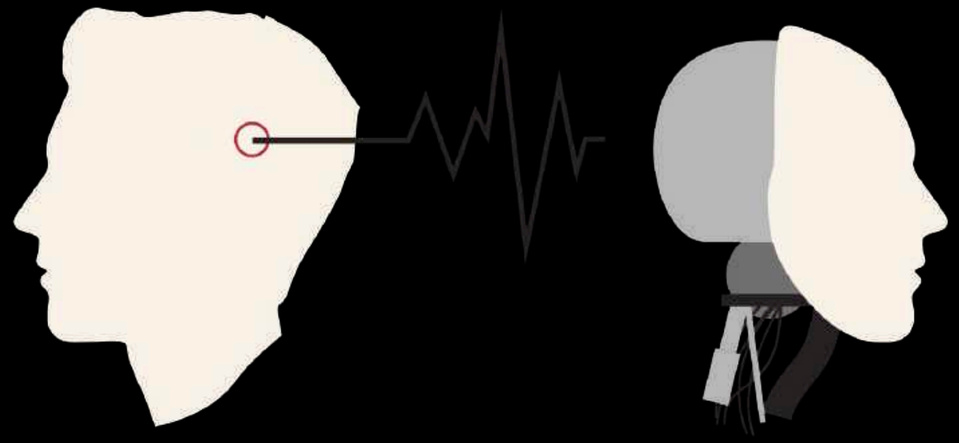

Why?
AI
Who?
Gerd


ARTI
INTELLIGENCE
CLIMATE
CHANGE
Gerd

BY WILL KNIGHT ARTIFICIAL INTELLIGENCE SEP 19, 2024 1:00 AM

The United Nations Wants to Treat AI With the Same Urgency as Climate Change

A UN report proposes that the organization take a much more active role in the monitoring and oversight of AI.



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‘Commerce is our goal here’ Bladerunner (1982)

POWER

"The coming change (in AI) will center around the most impressive of human capabilities: the phenomenal ability to think, create, understand, and reason"

Sam Altmann, CEO, OpenAI

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If AI takes over, at least us humans will have more "me time" ...right?

The Daily Show
11.2M subscribers

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Warren Buffet paraphrased Einstein's remark on nuclear bombs:

"AI can change everything in the world, except how men think and behave"

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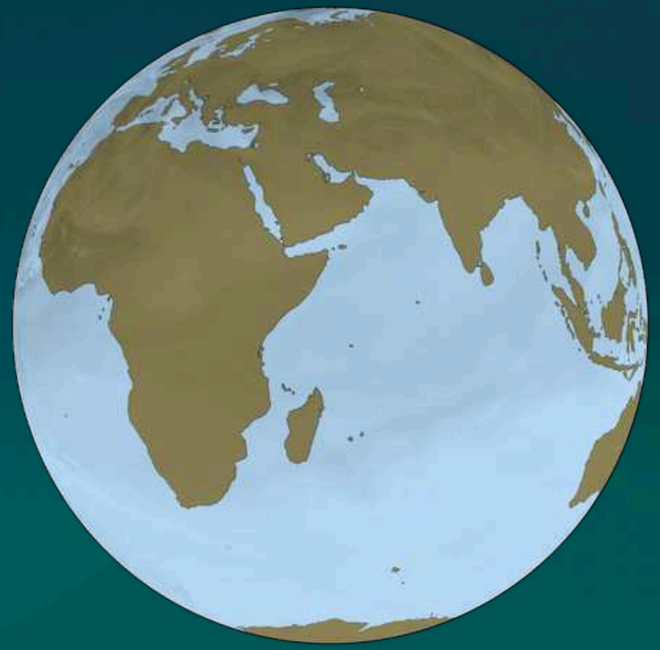
“The problem comes when safety and profit maximization or company culture are not aligned. There is lots of historical evidence (think about fossil fuel companies and the climate, or drug companies before the FDA, e.g., with thalidomide, etc) and research in economics showing that PROFIT MAXIMISATION CAN YIELD CORPORATE BEHAVIOUR THAT IS AT ODDS WITH THE PUBLIC INTEREST”

(Joshua Bengio, University of Montreal)

PROFIT
GROWTH



PEOPLE
PLANET
PURPOSE
PROSPERITY

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AI AND THE FUTURE OF HUMANITY: THE HARDEST THING TO CHANGE WILL BE THE UNDERLYING ECONOMIC PARADIGM
PEOPLE,
PLANET,
PURPOSE,
PROSPERITY
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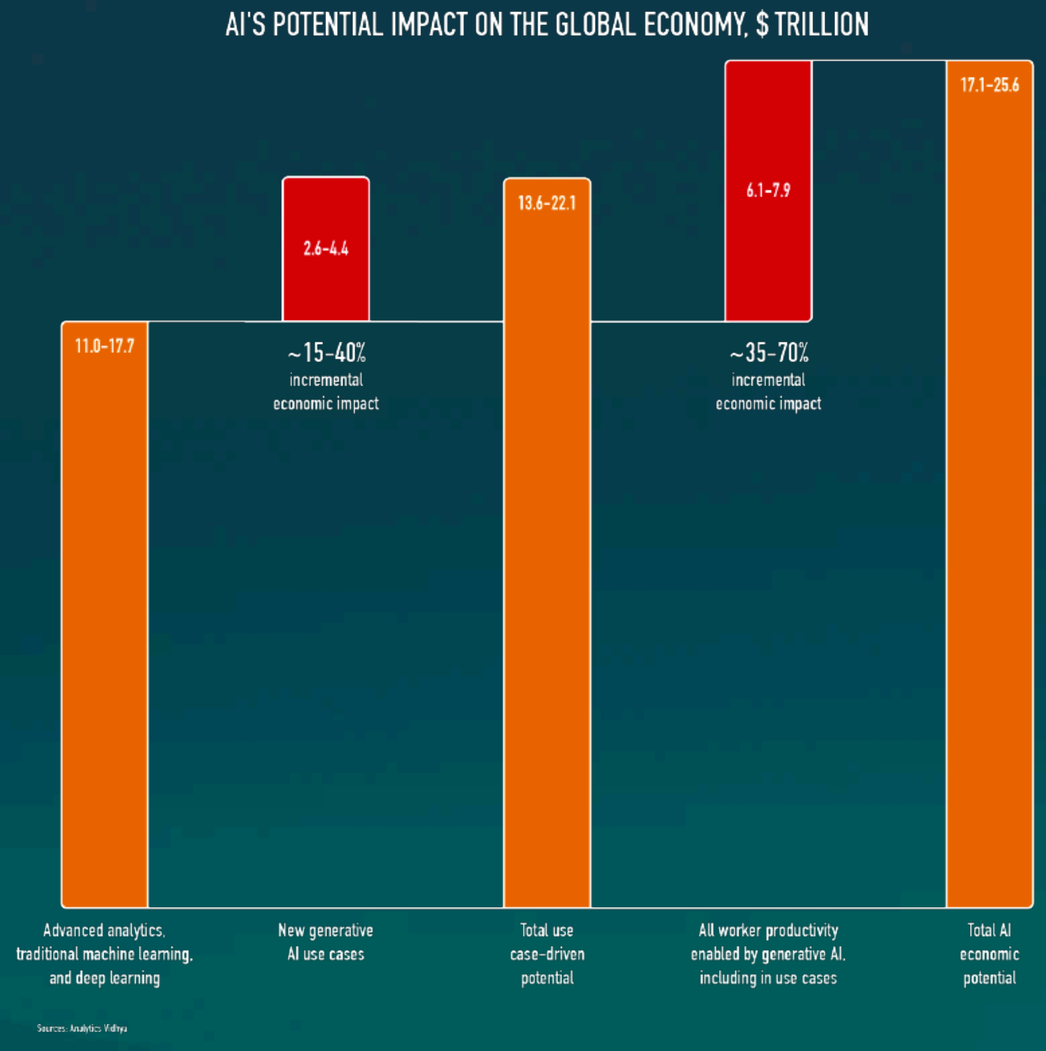
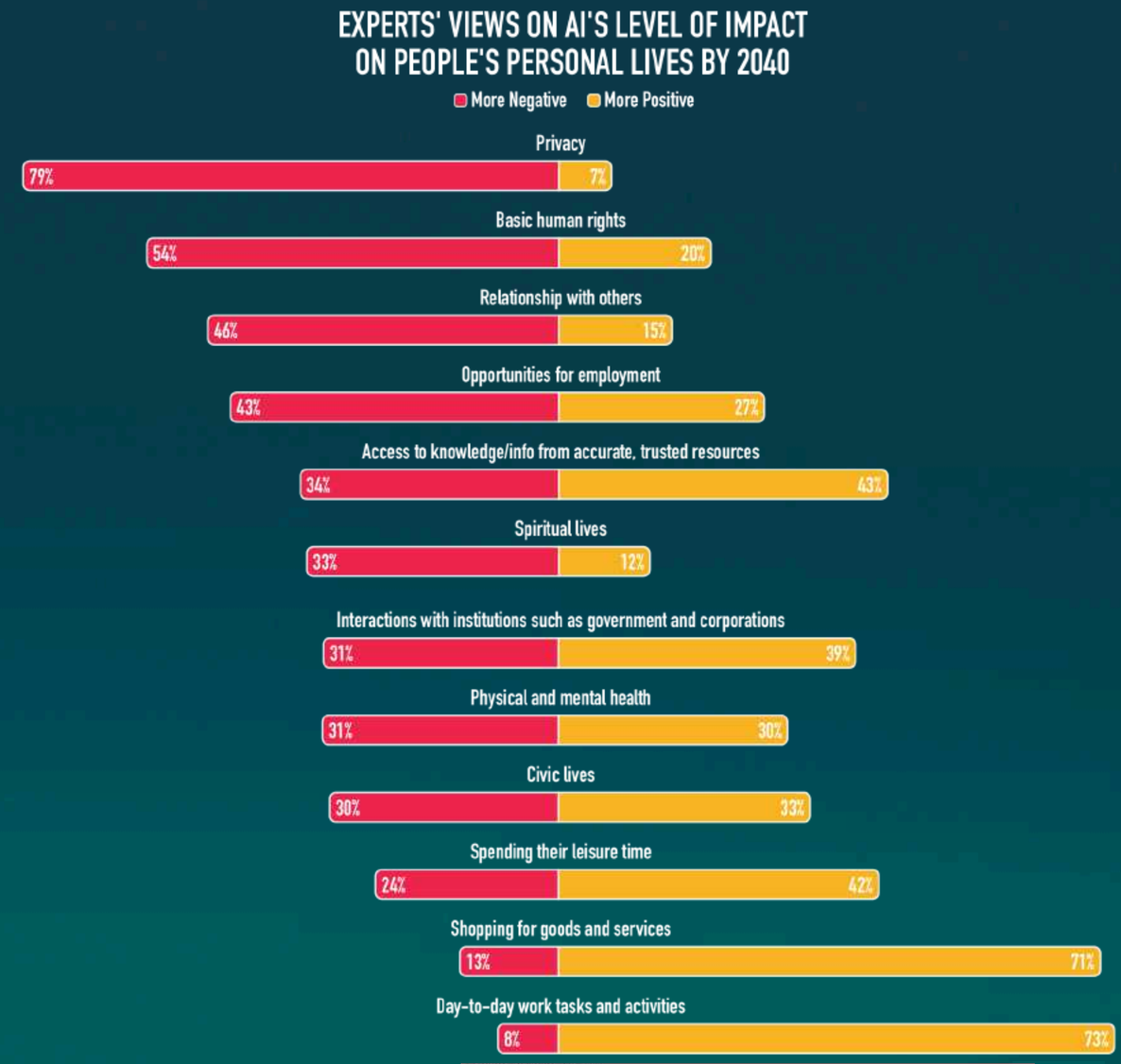
AI: Huge economic gains but societal decline?





ELON UNIVERSITY
Imagining the Internet | A HISTORY AND FORECAST
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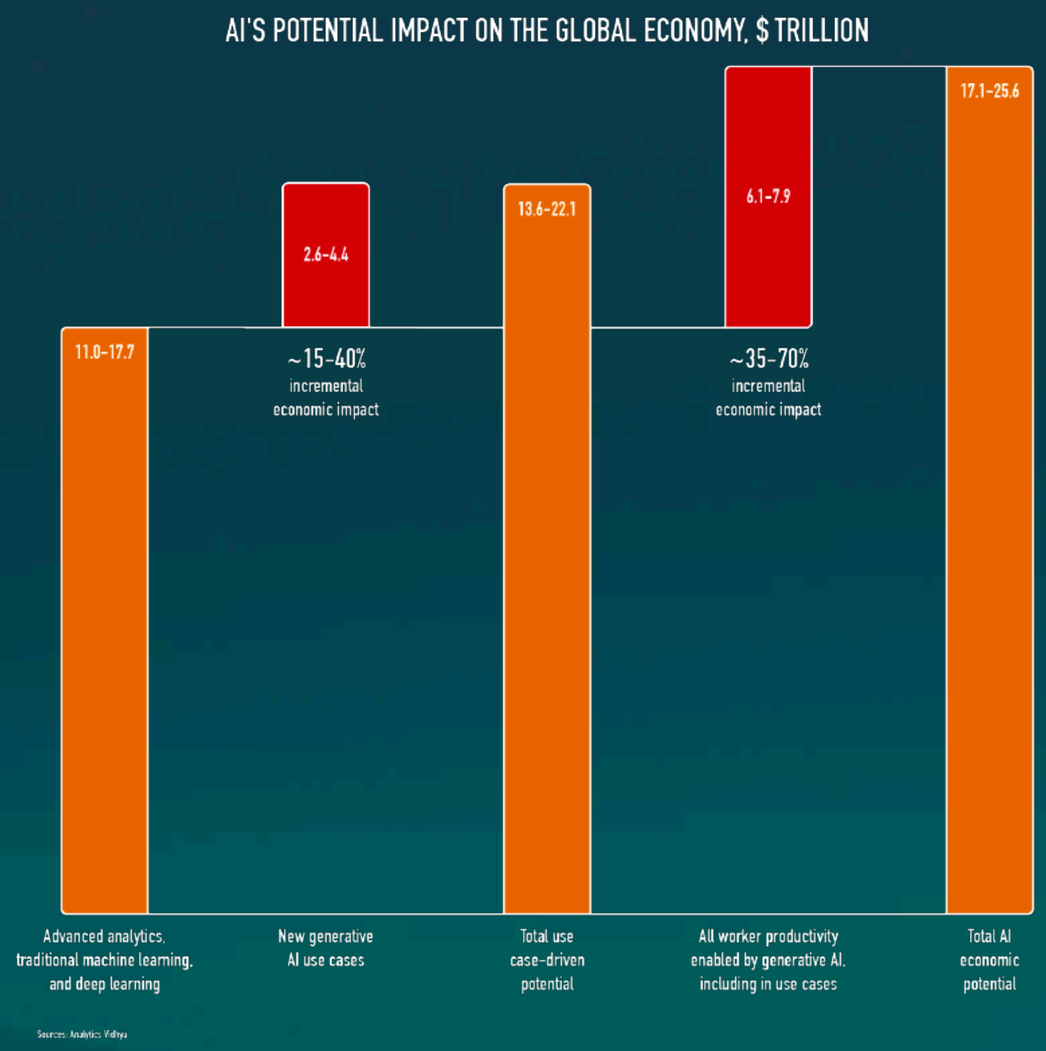
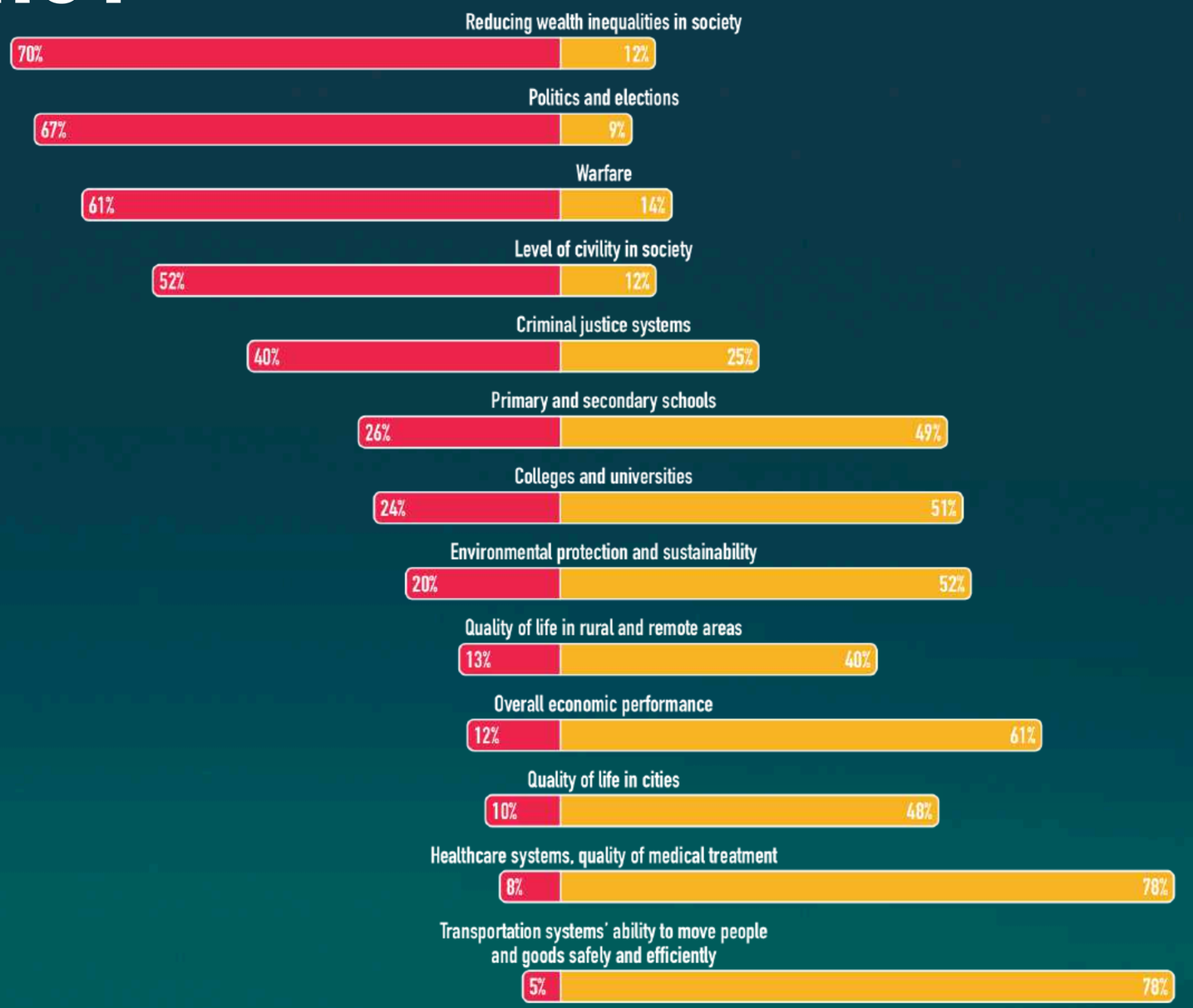
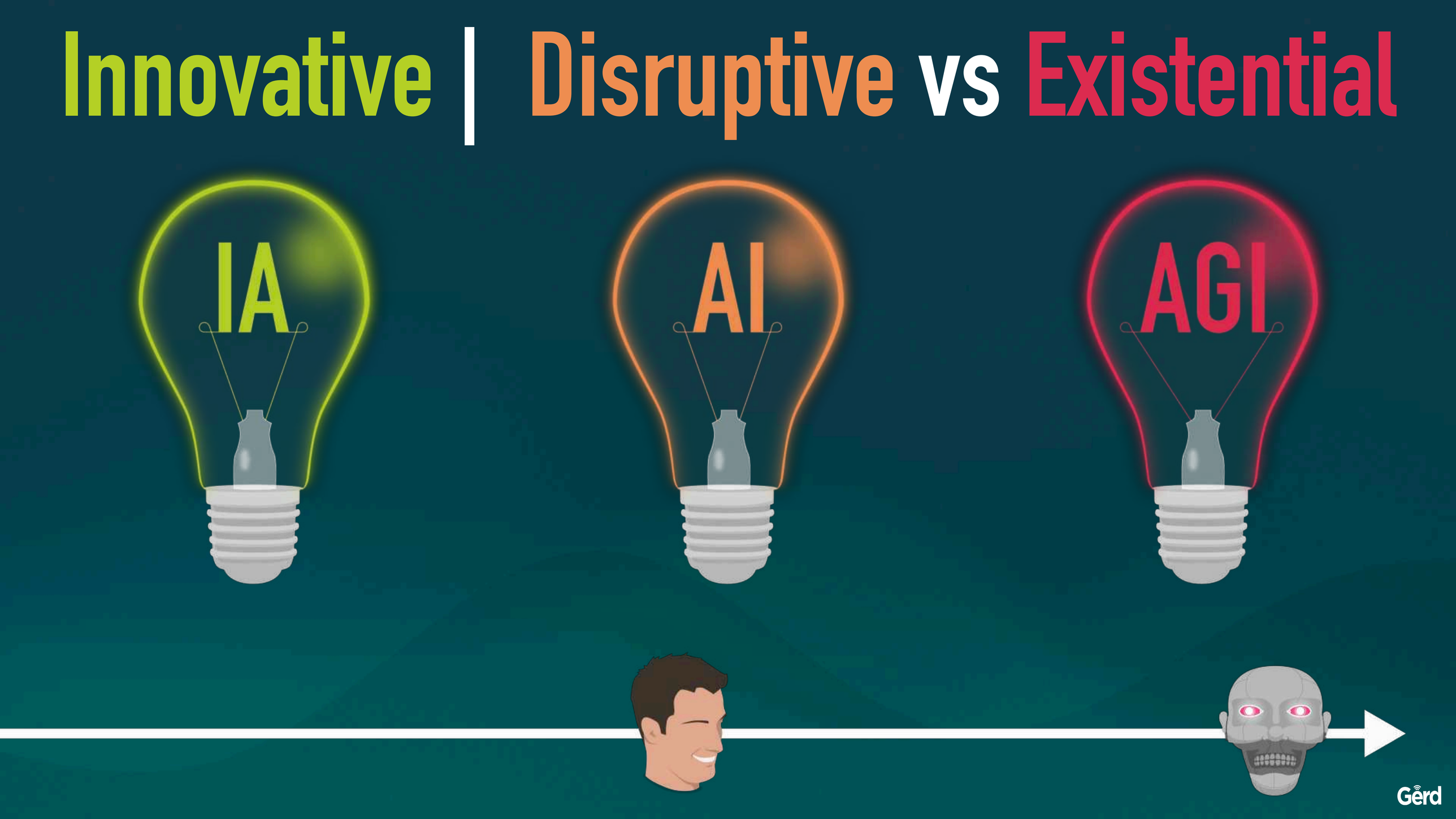
. . . . but societal decline?





Innovative | Disruptive vs Existential



OPENAI
AGI
OPENAI
OPENAI
OPENAI
OPENAI
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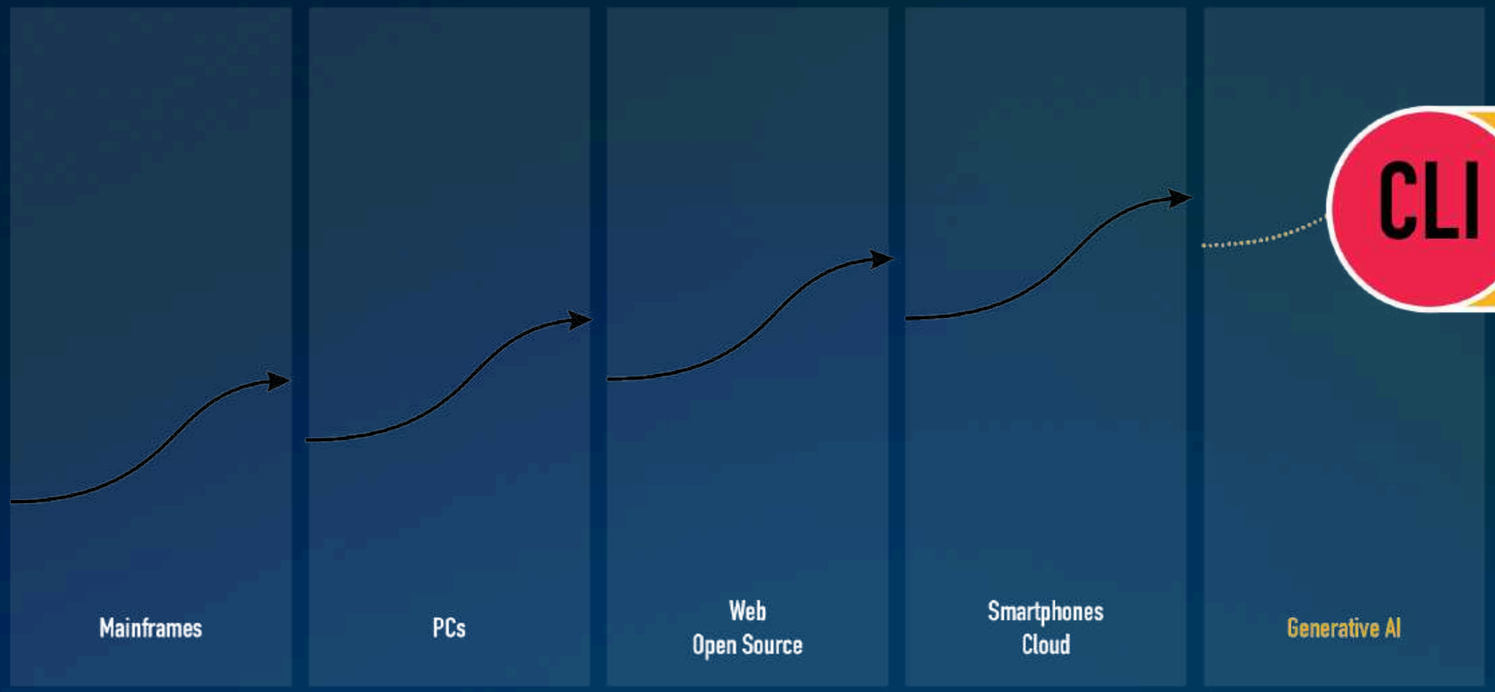
AI: the next general purpose technology, the next computing platform, and the new interface

THE TECH INDUSTRY MOVES IN PLATFORM SHIFTS

EVERY 10–15 YEARS, A NEW PLATFORM RESETS THE TECH INDUSTRY



Sources: Benedict Evans

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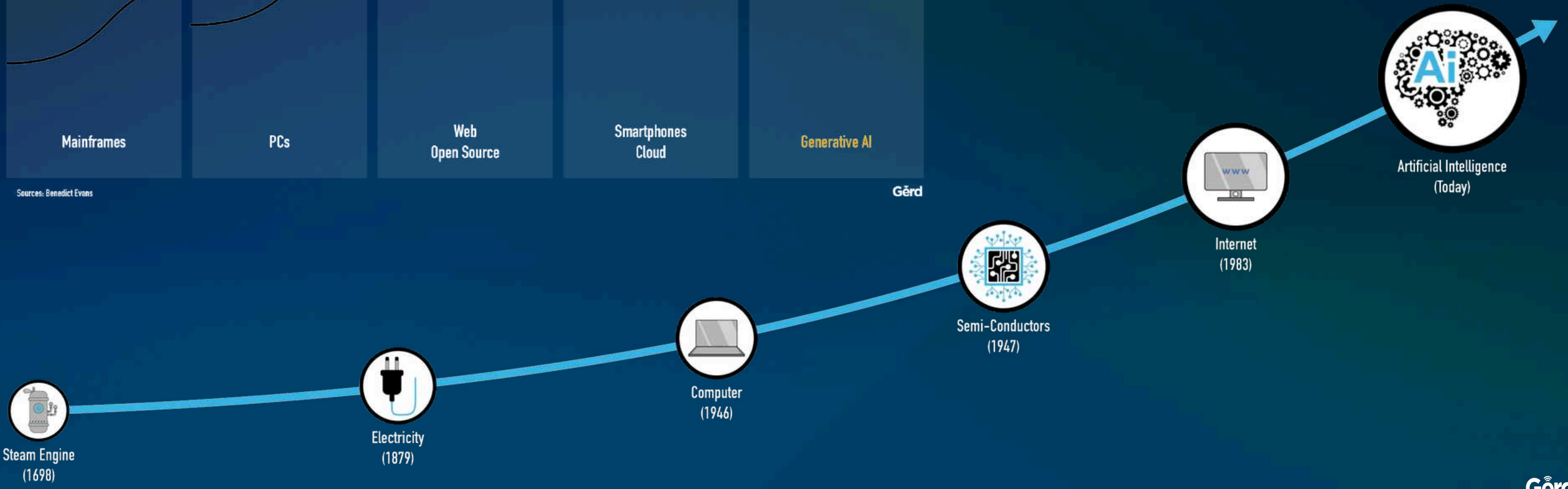

Source: Nasscom Community

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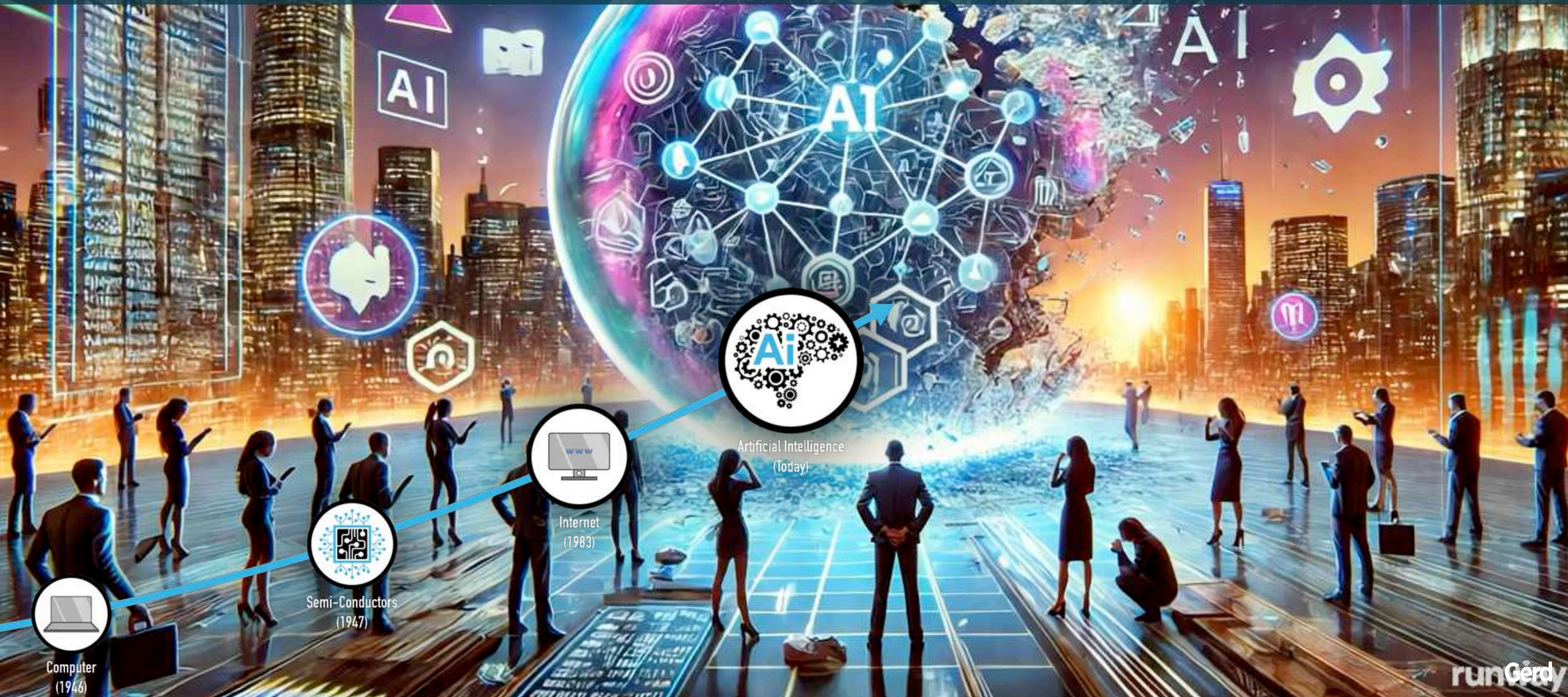
You ain't seen nothing yet...



Welcome to the 3 Revolutions

DIGITAL REVOLUTION

SUSTAINABILITY REVOLUTION

PURPOSE REVOLUTION

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INFO TECH

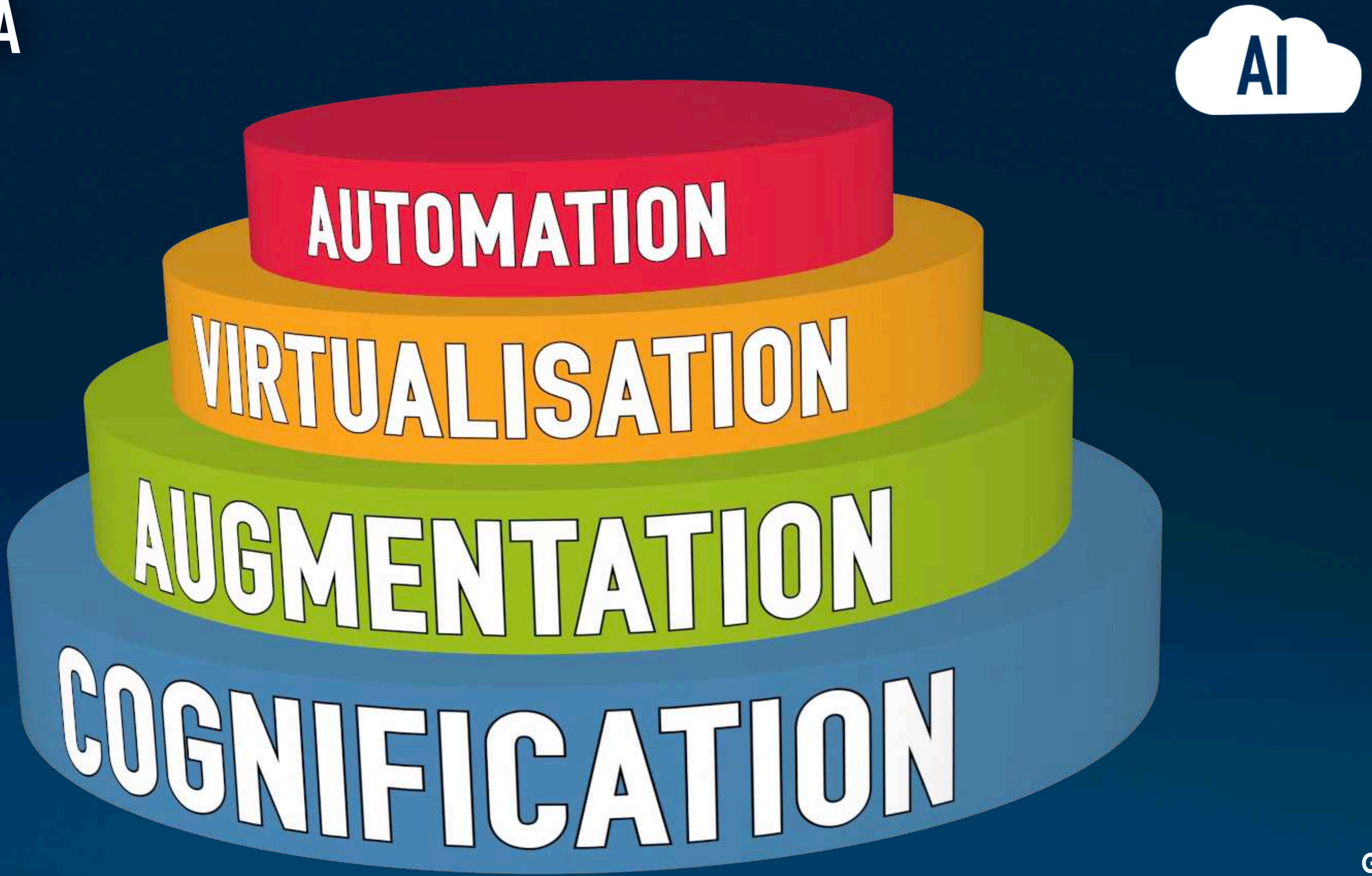
BIO TECH

ENERGY & CLIMATE TECH

AI

Gerd

CAVA

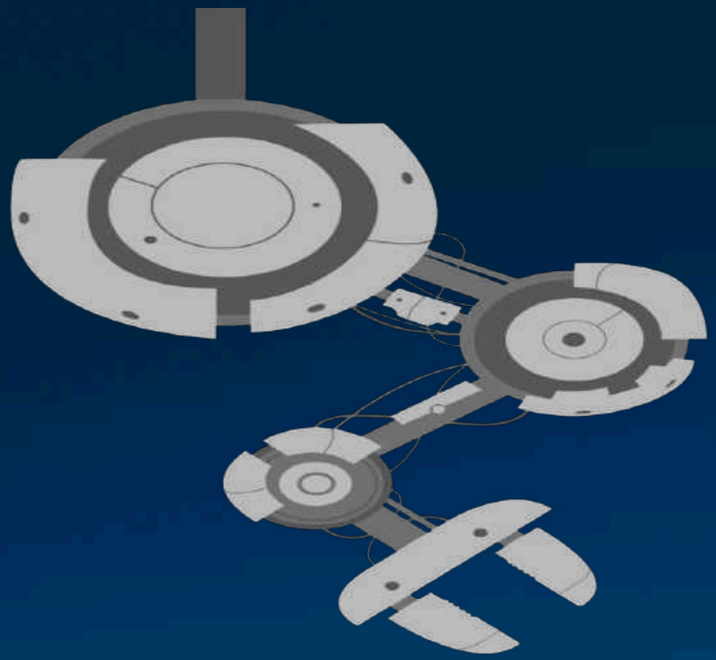

AI
AUTOMATION
VIRTUALISATION
AUGMENTATION
COGNIFICATION

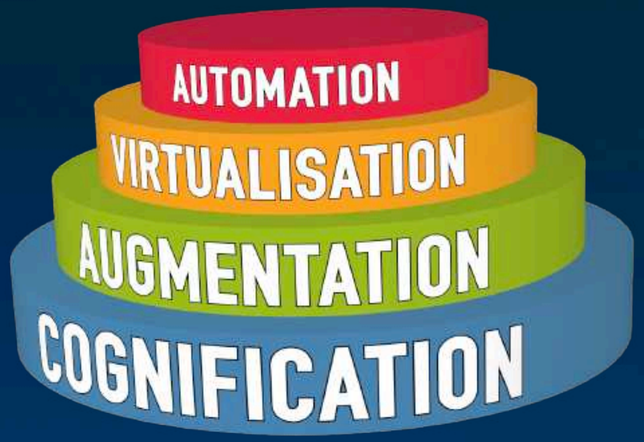
Gerd

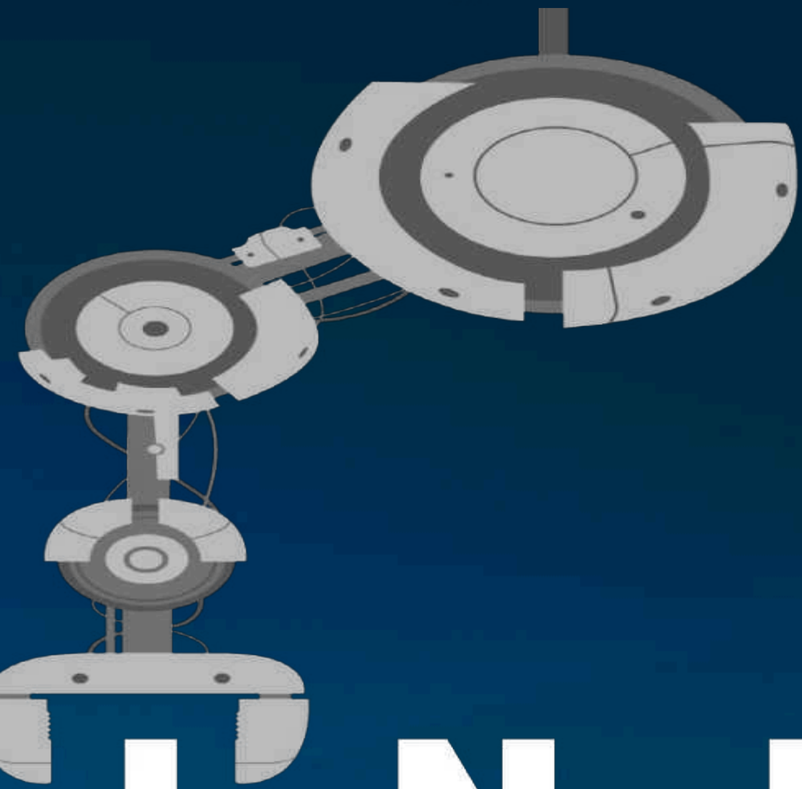
WORK

Humans Doing Routines

Machines Doing Routines







R O U T I N E

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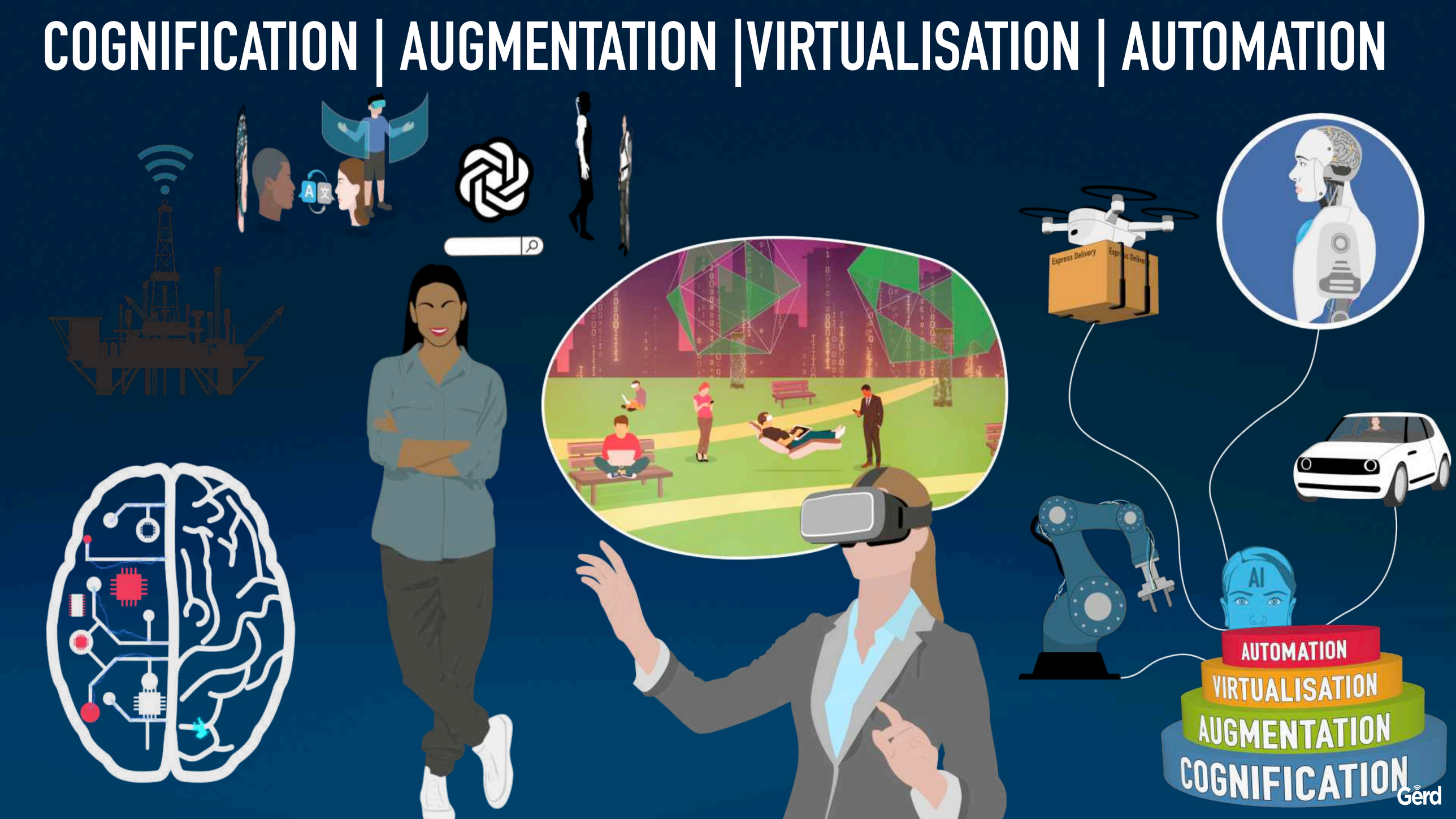
COGNIFICATION | AUGMENTATION |VIRTUALISATION | AUTOMATION



“Every professional will have an AI ASSISTANT of their own, within the next 3 years” (Thomson Reuters Report 2024)

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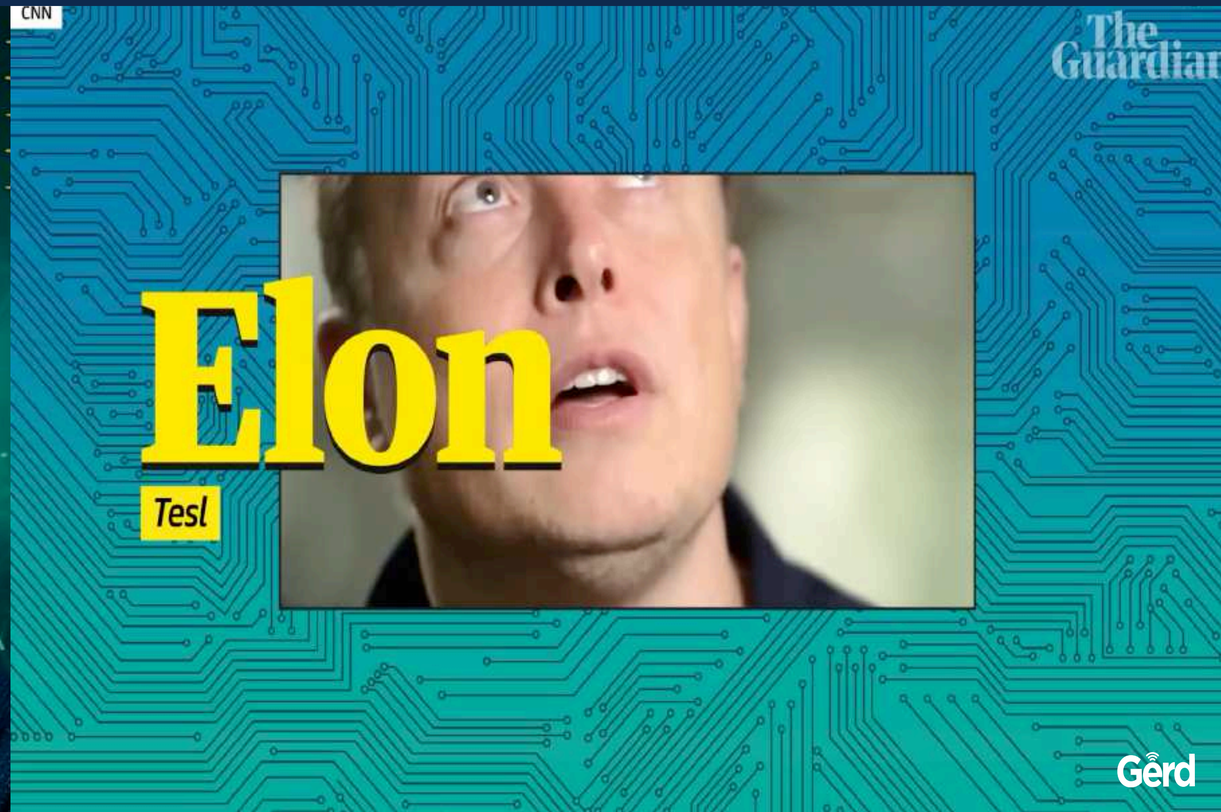
andreessen. horowitz

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



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To value Intelligence over EVERYTHING ELSE will prove disastrous

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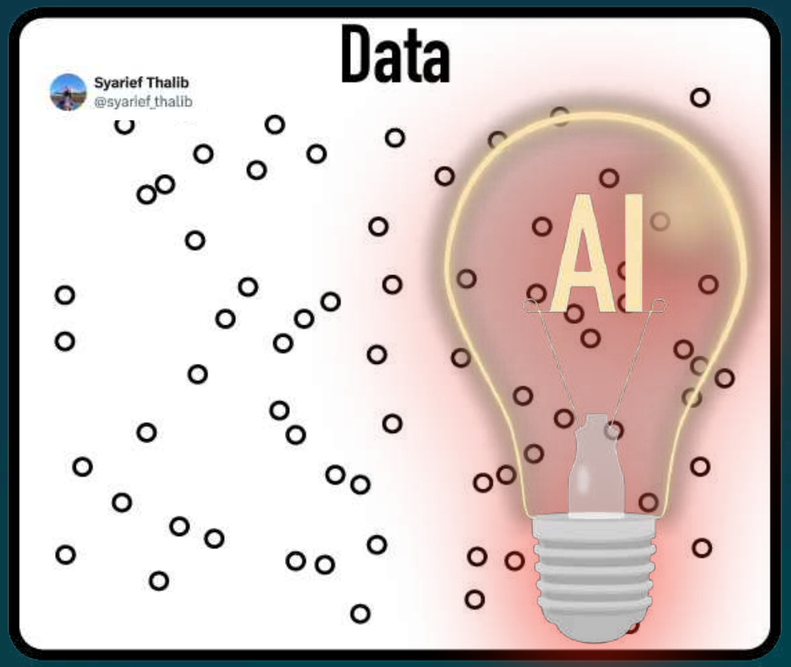

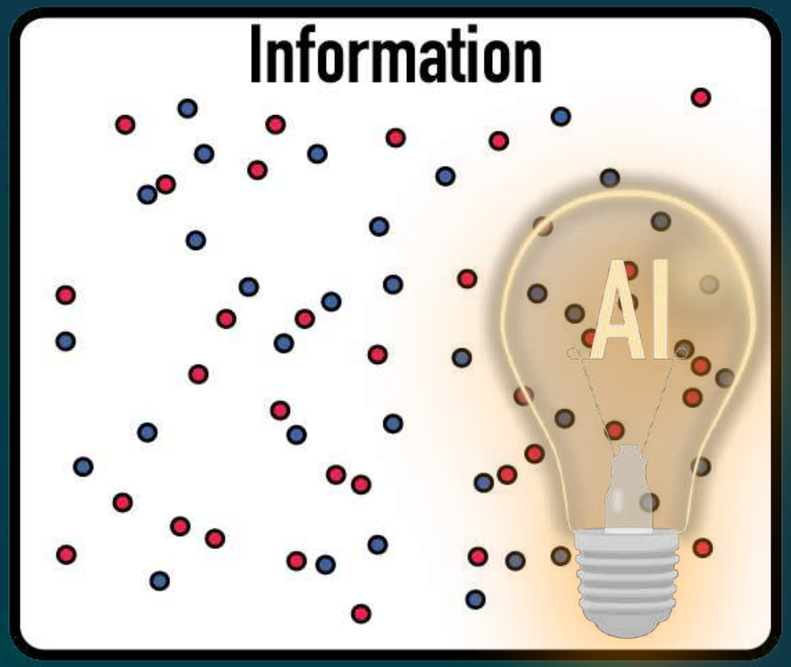

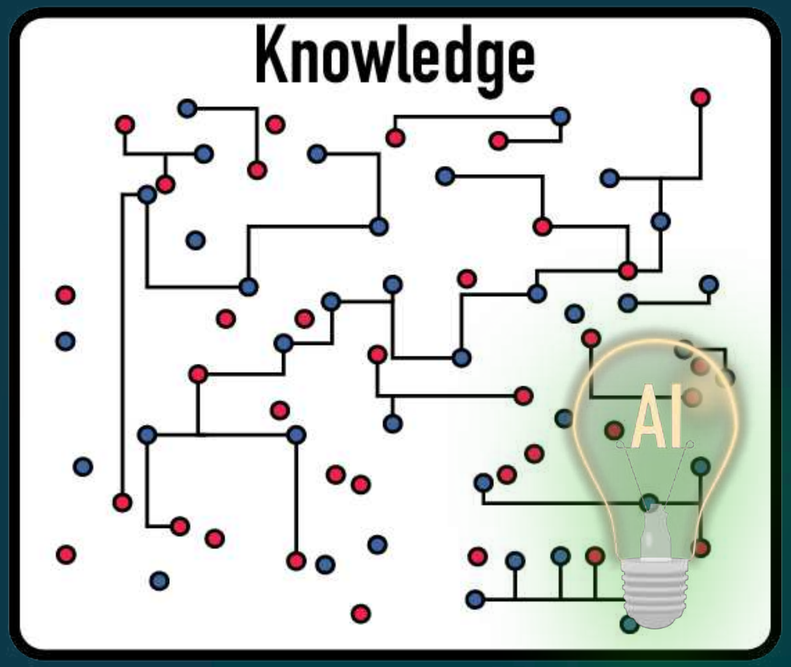

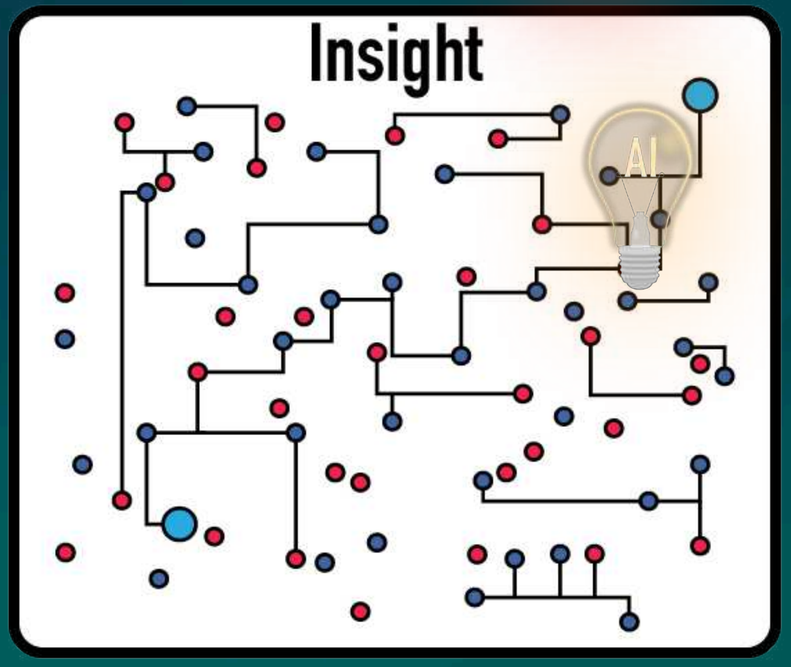

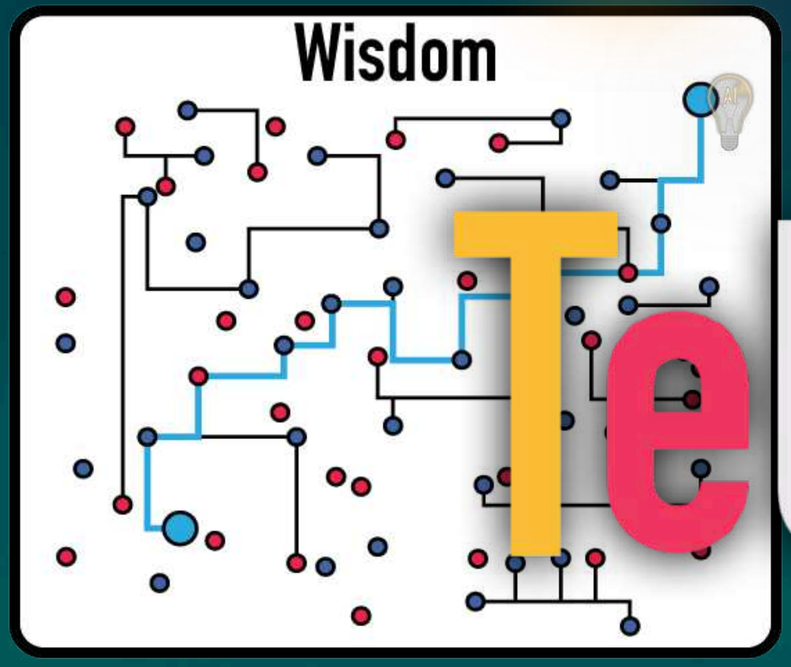

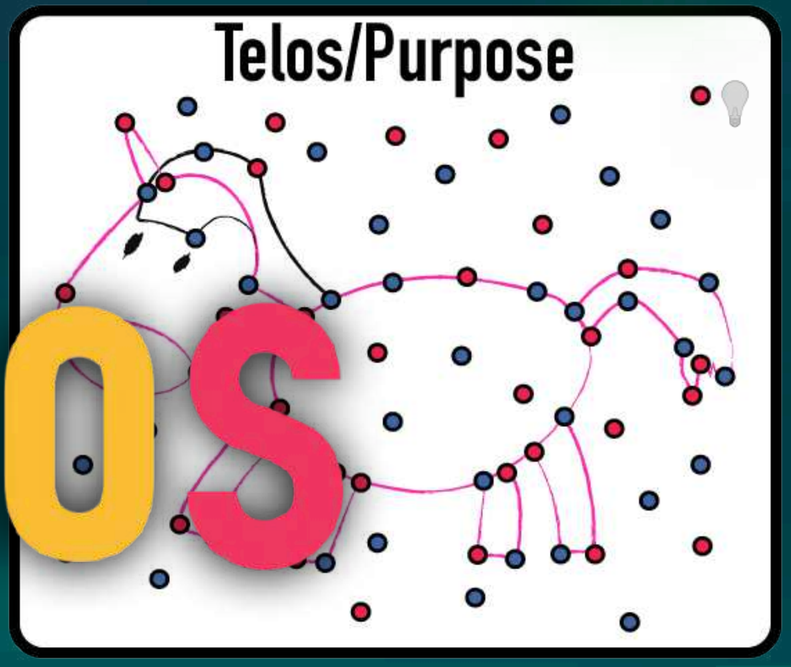

Source: Twitter and Gaping Void

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Intelligence # Consciousness

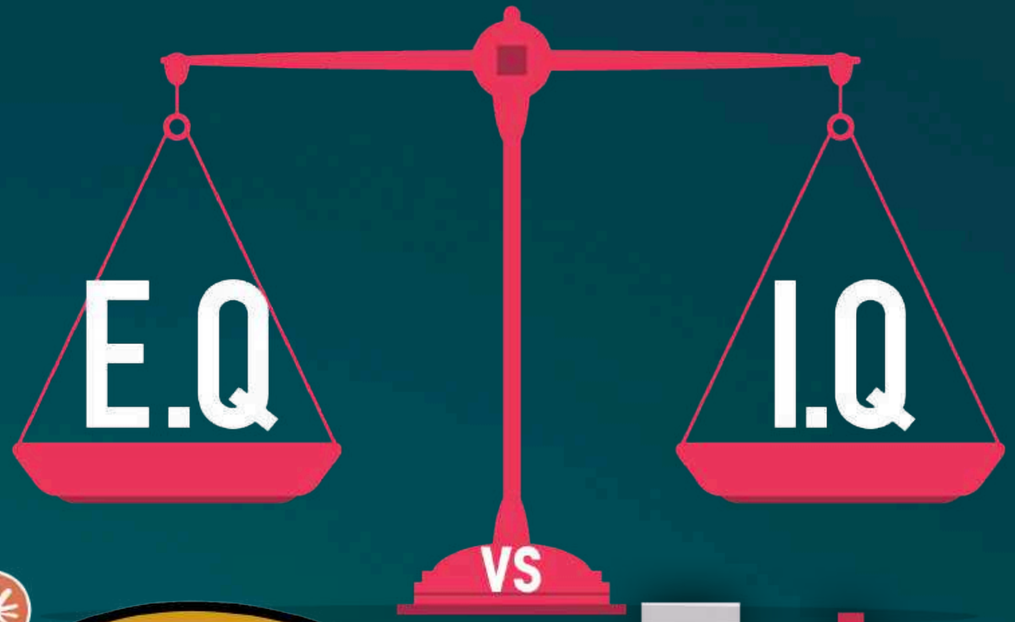
Machines DON'T 'Think' or 'Feel'

Machines DON'T have hunches

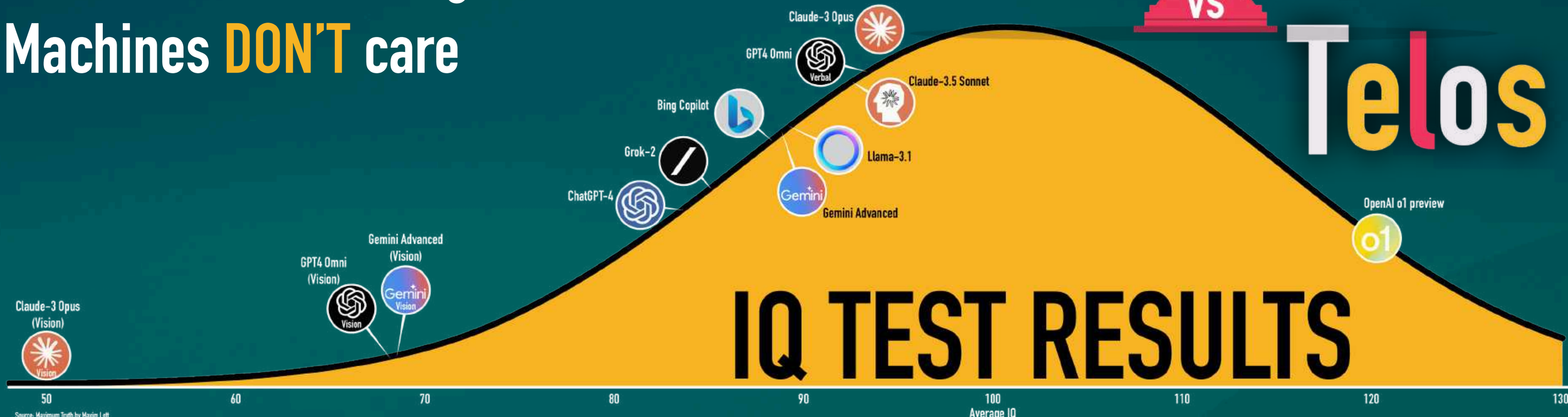
Machines DON'T 'understand'

Machines DON'T imagine

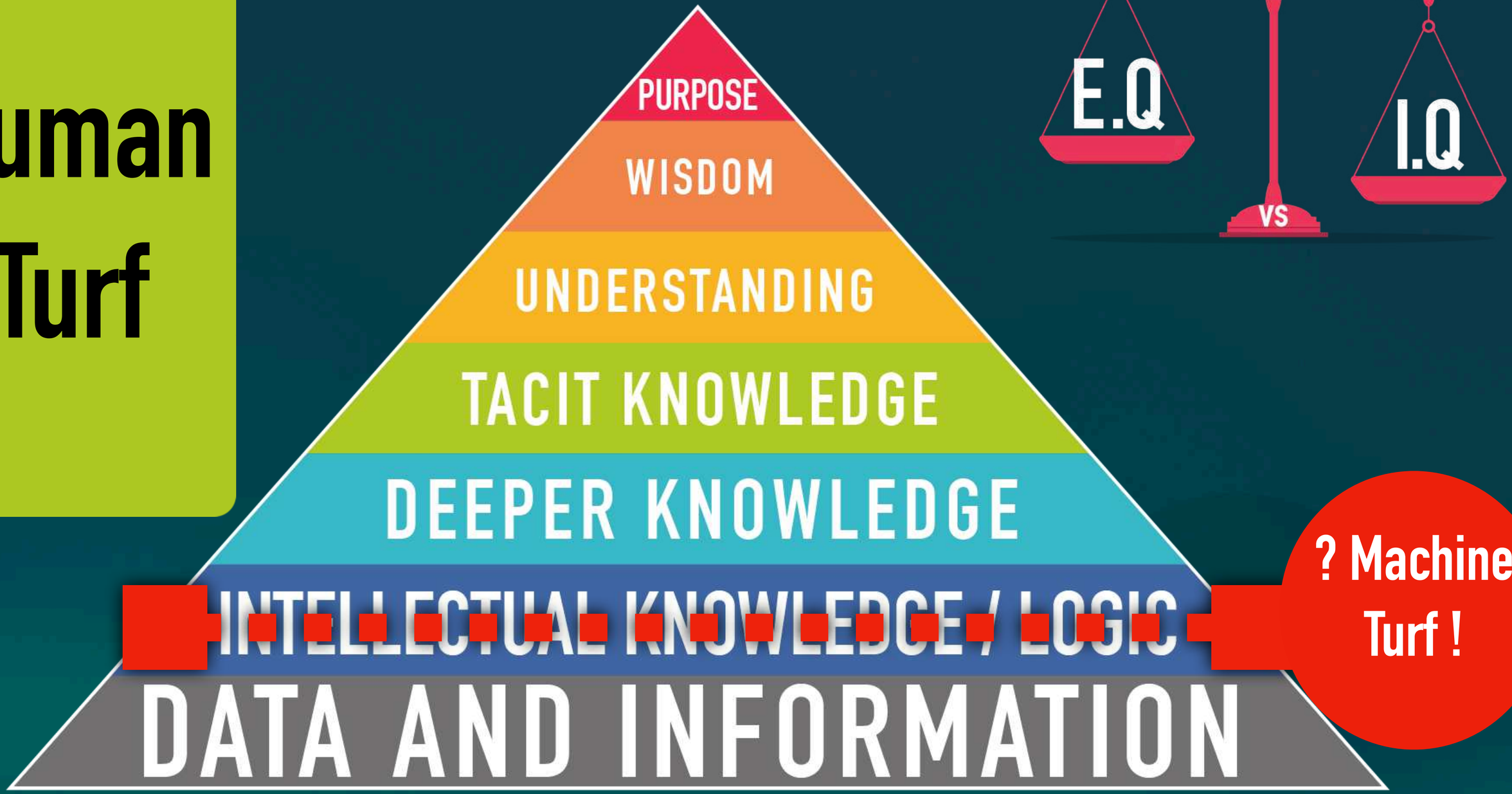
Machines DON'T care

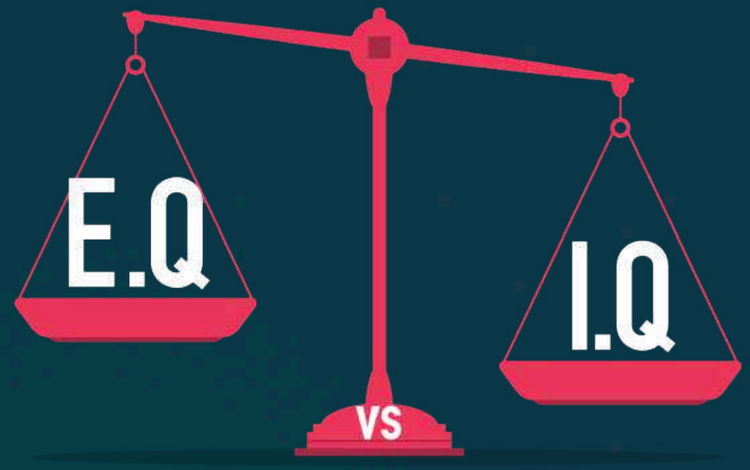


Telos



Human Turf





? Machine Turf !

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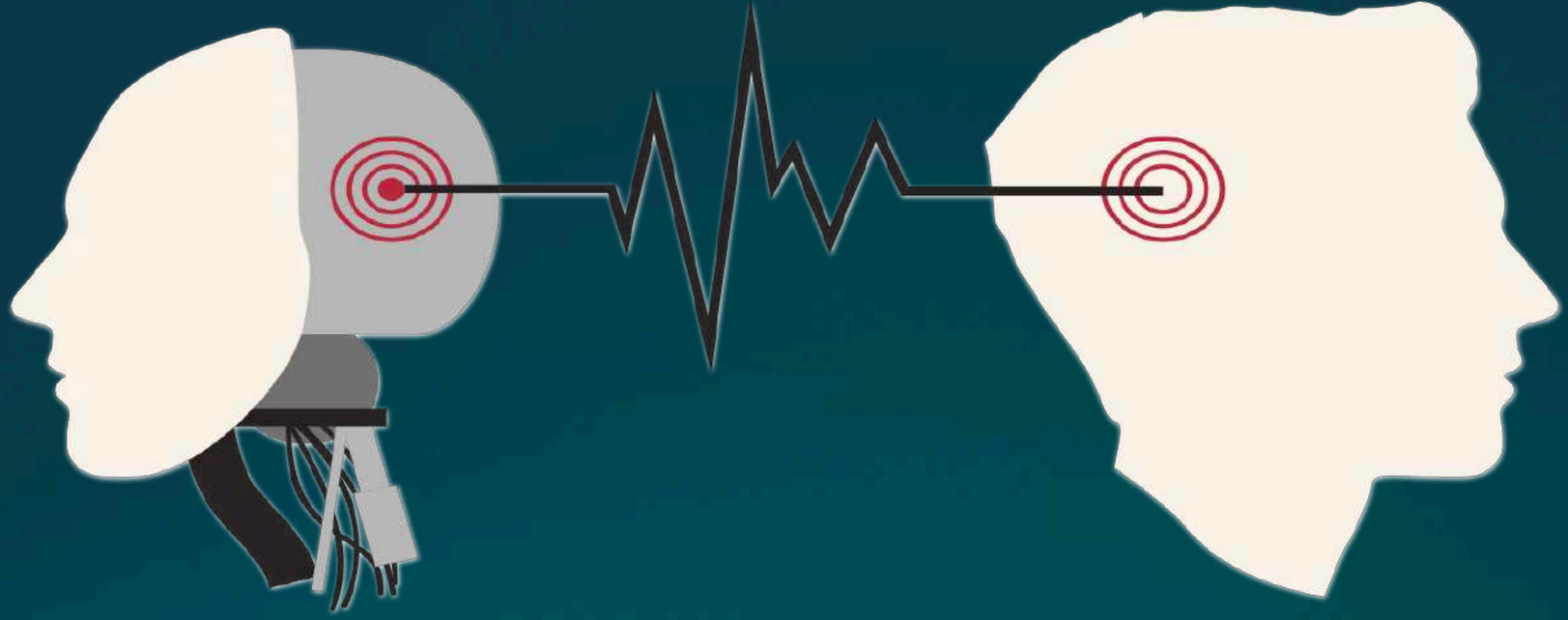

EXPLICIT KNOWLEDGE

VS.

TACIT KNOWLEDGE

EXPLICIT KNOWLEDGE	TACIT KNOWLEDGE
Explicit Knowledge is knowledge that can easily be expressed, codified, and recorded so it can be shared	Tacit Knowledge is knowledge that cannot be expressed easily and is often acquired by personal experience
Objective, logical and technical	Subjective, cognitive and experiential
Codified	Non-codified
Easily transferable	Difficult to transfer – often requires face-to-face interaction and teaching
It can be recorded and stored in physical/electronic form	Can't be recorded or stored

Source: Document360.com

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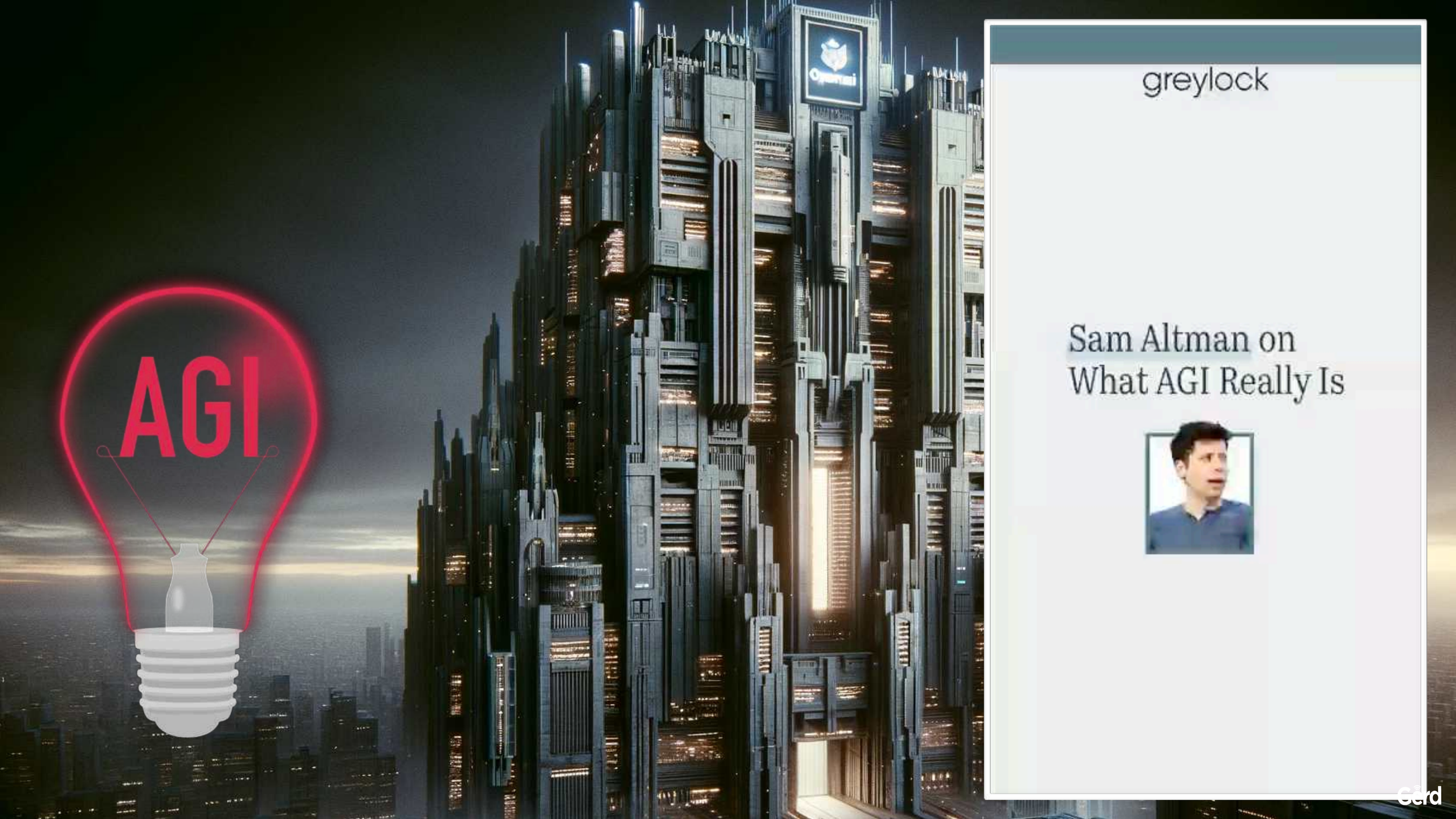
AGI
greylock
Sam Altman on
What AGI Really Is

OpenAI has internally shared definitions for five levels of artificial general intelligence (AGI), according to Bloomberg. An OpenAI document Bloomberg reproduced defines the levels:

1. Chatbots: AI with conversational language
2. REASONERS: human-level problem-solving
3. AGENTS: systems that can take actions
4. INNOVATORS: AI that can aid in invention
5. ORGANISATIONS: AI that can do the work of an organisation

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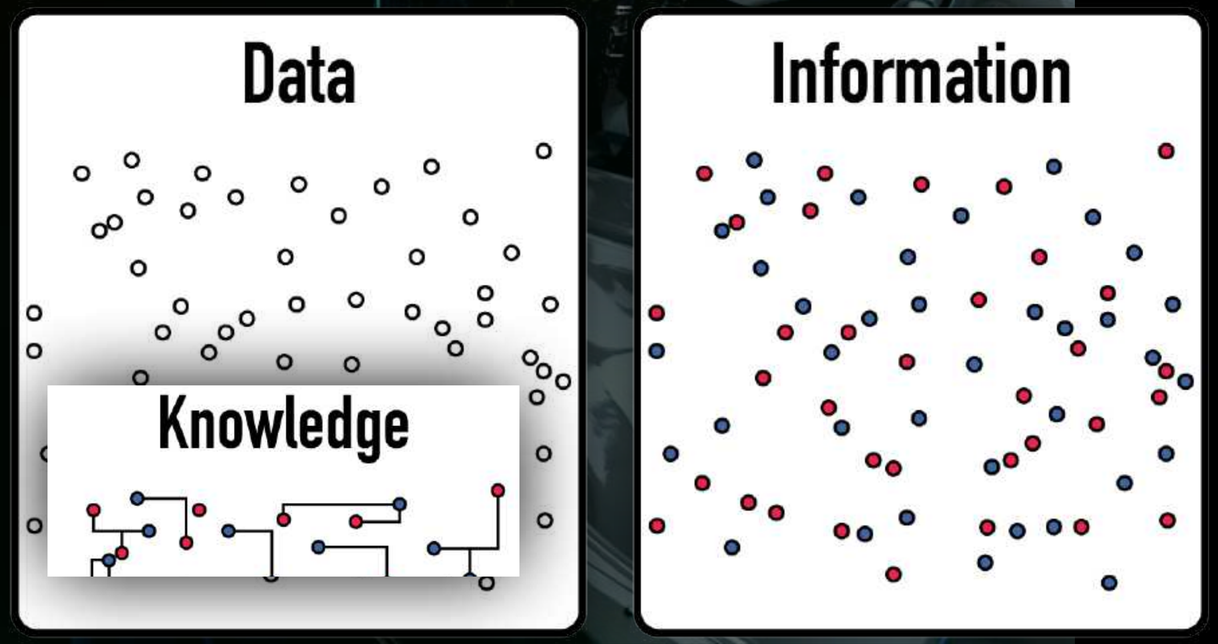
Tool
! Agent ?
? Creator ?



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THE ALIGNMENT PROBLEM

Good-level AI

Progress on capabilities

Progress on alignment

Progress

Time

Source: Ian Hogarth via Financial Times

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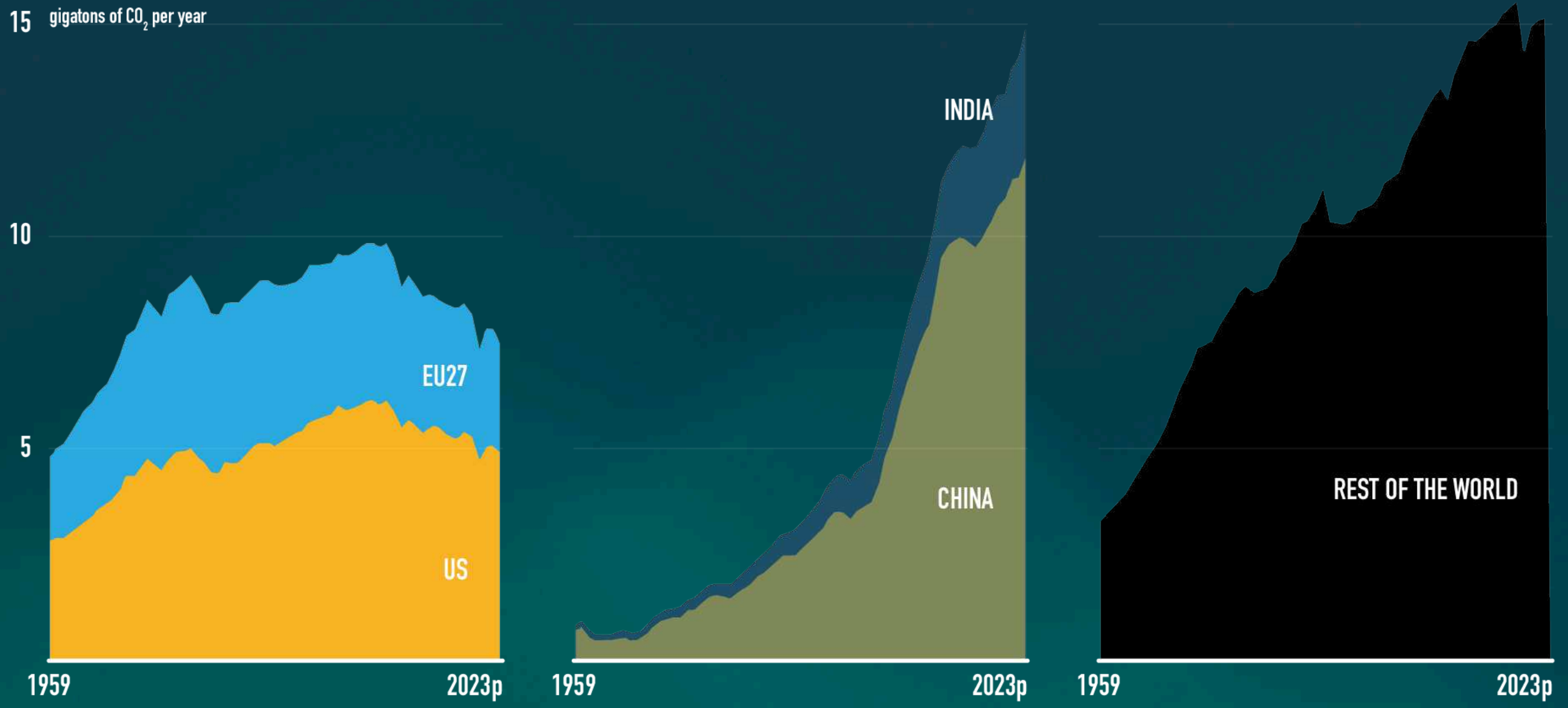
Accountability | Transparency | Ethics | Standards | Regulation | Collaboration | Foresight | Control

US AND EU EMISSIONS HAVE DECLINED THIS CENTURY; EMISSIONS ELSEWHERE HAVE NOT



Sources: NAT BULLARD

We failed to collaborate the last time . . .

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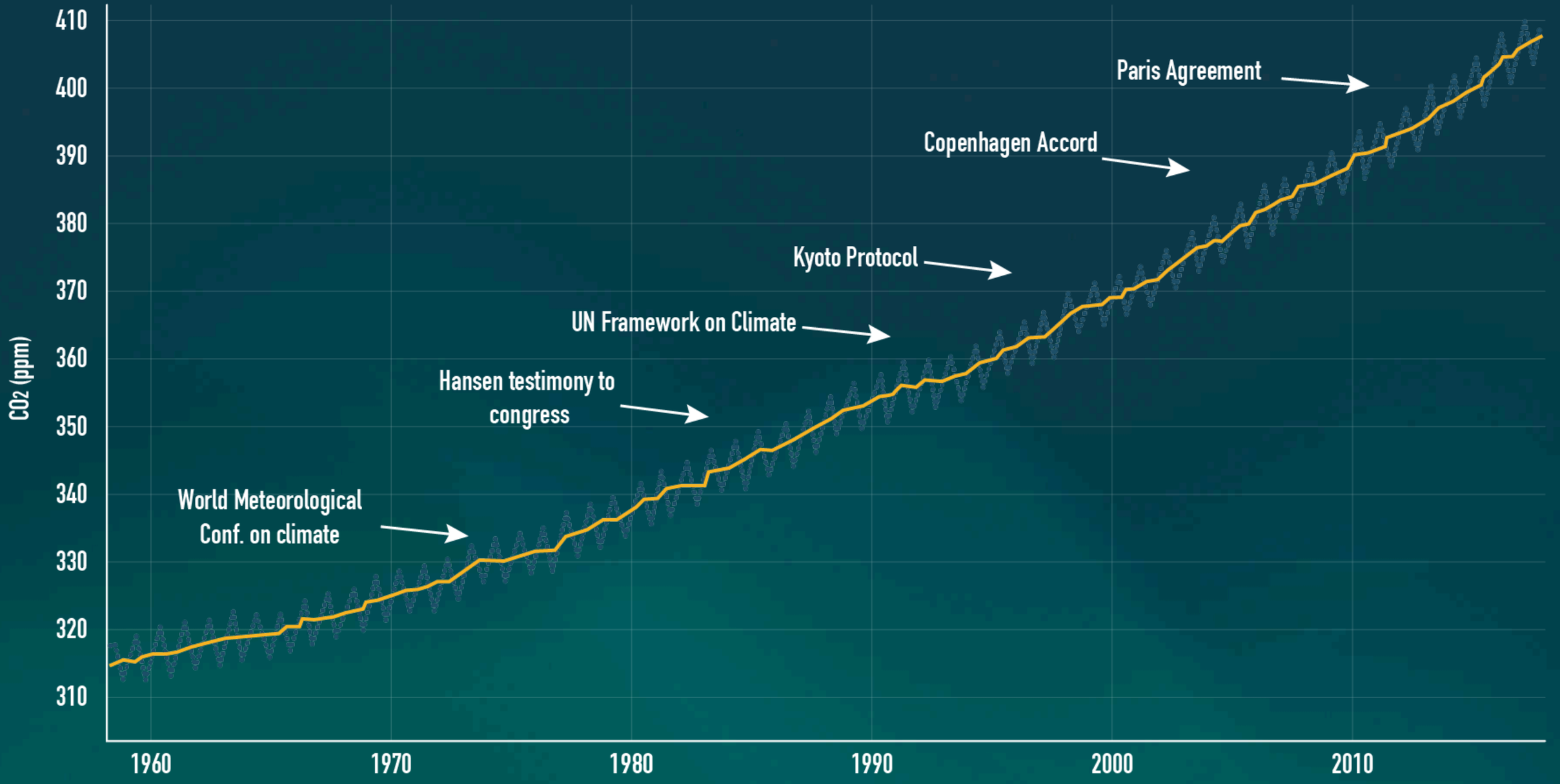
MAUNA LOA MONTHLY AVERAGES



Source: Global Monitoring Laboratory

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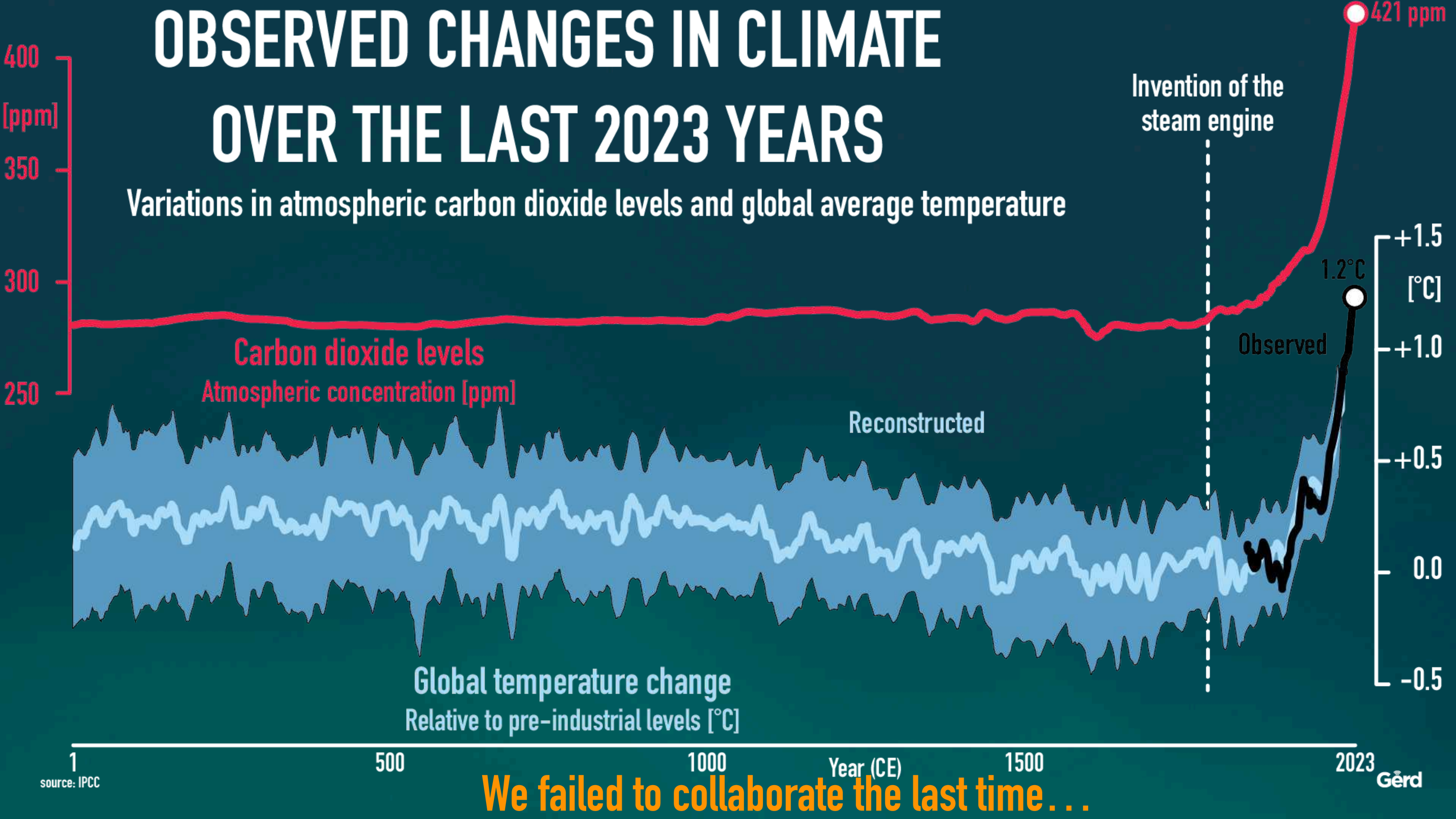
OBSERVED CHANGES IN CLIMATE OVER THE LAST 2023 YEARS

Variations in atmospheric carbon dioxide levels and global average temperature



source: IPCC

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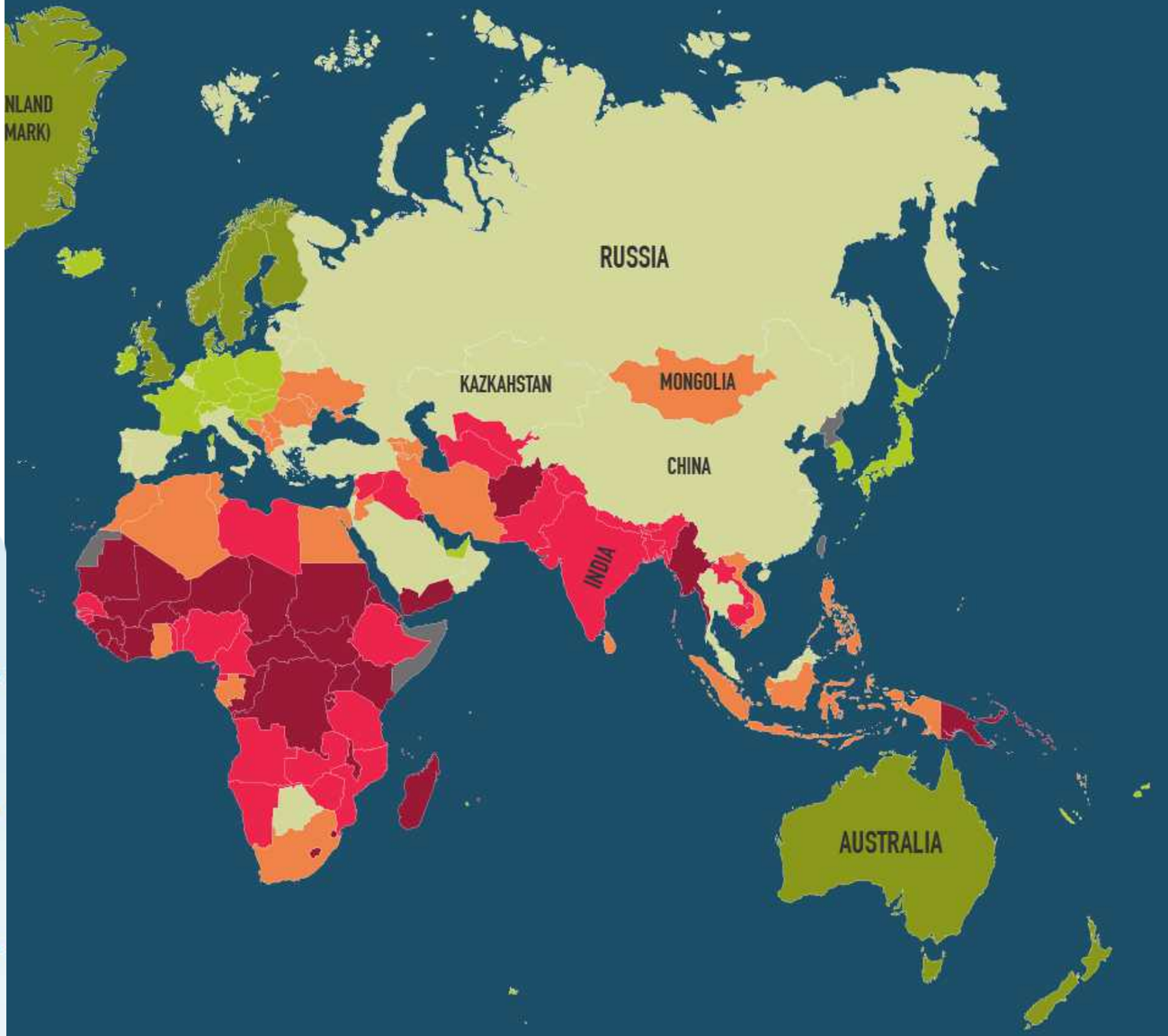
We failed to collaborate the last time . . .

Global AI fund needed to help developing nations tap tech benefits, UN says

Governments and private firms should contribute to help states unable to invest and benefit from advances



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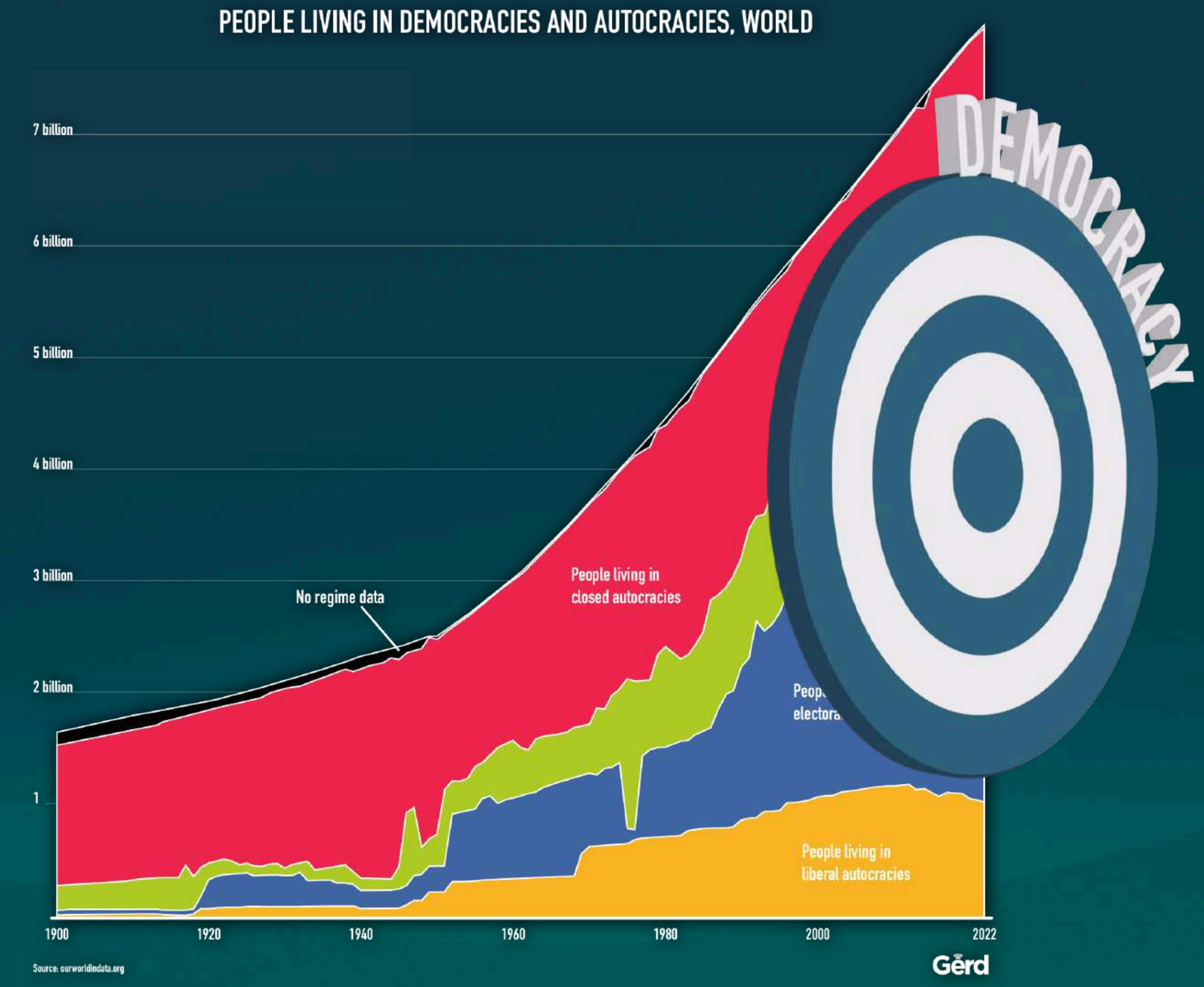
PEOPLE LIVING IN DEMOCRACIES AND AUTOCRACIES, WORLD



Source: ourworldindata.org

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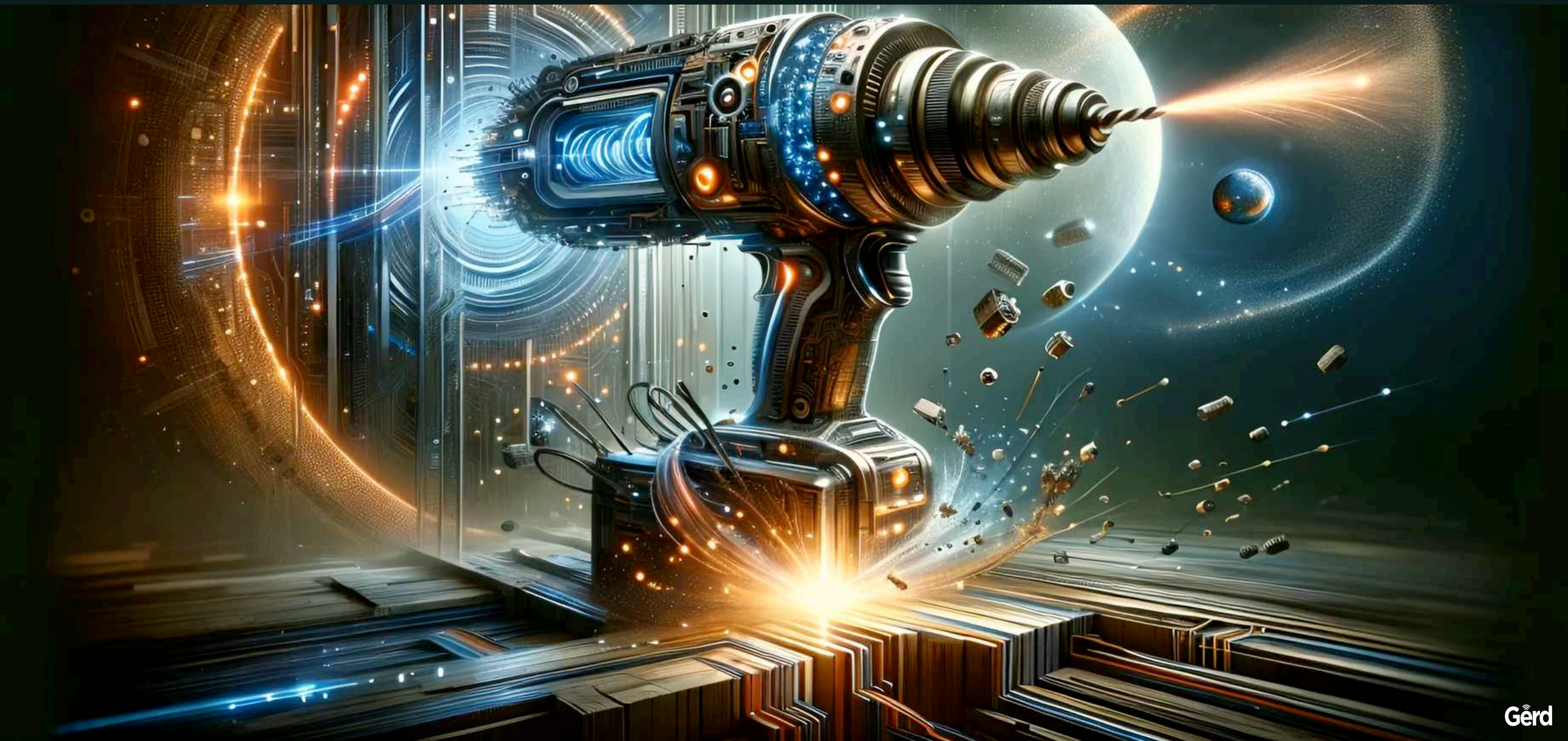
Let's be careful what we wish for



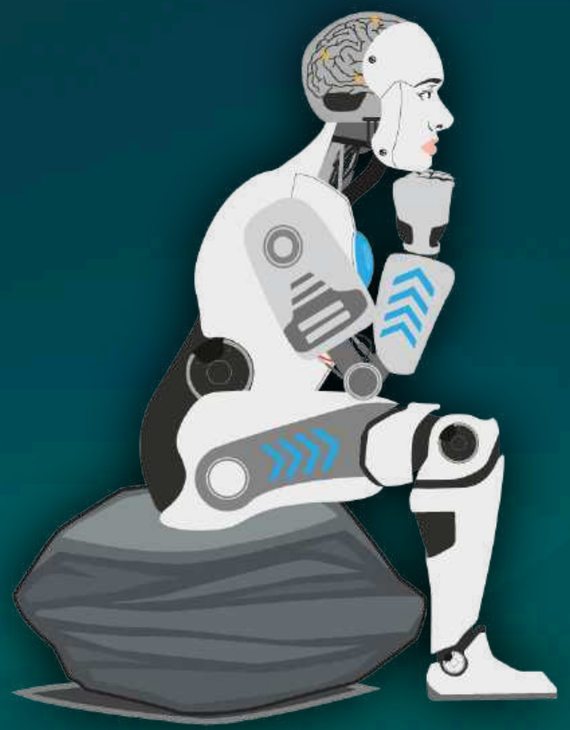
AI: Pursue Competence not Consciousness

Tools not ‘Friends’ (nor… Purpose!)

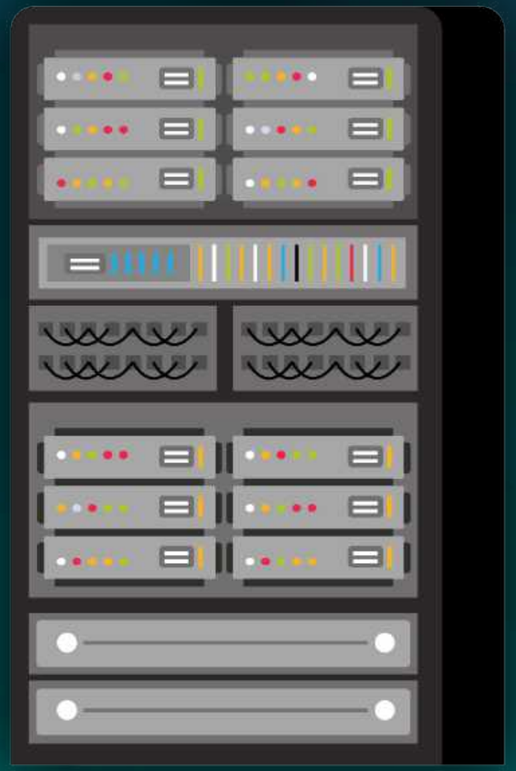
QUESTION AGI

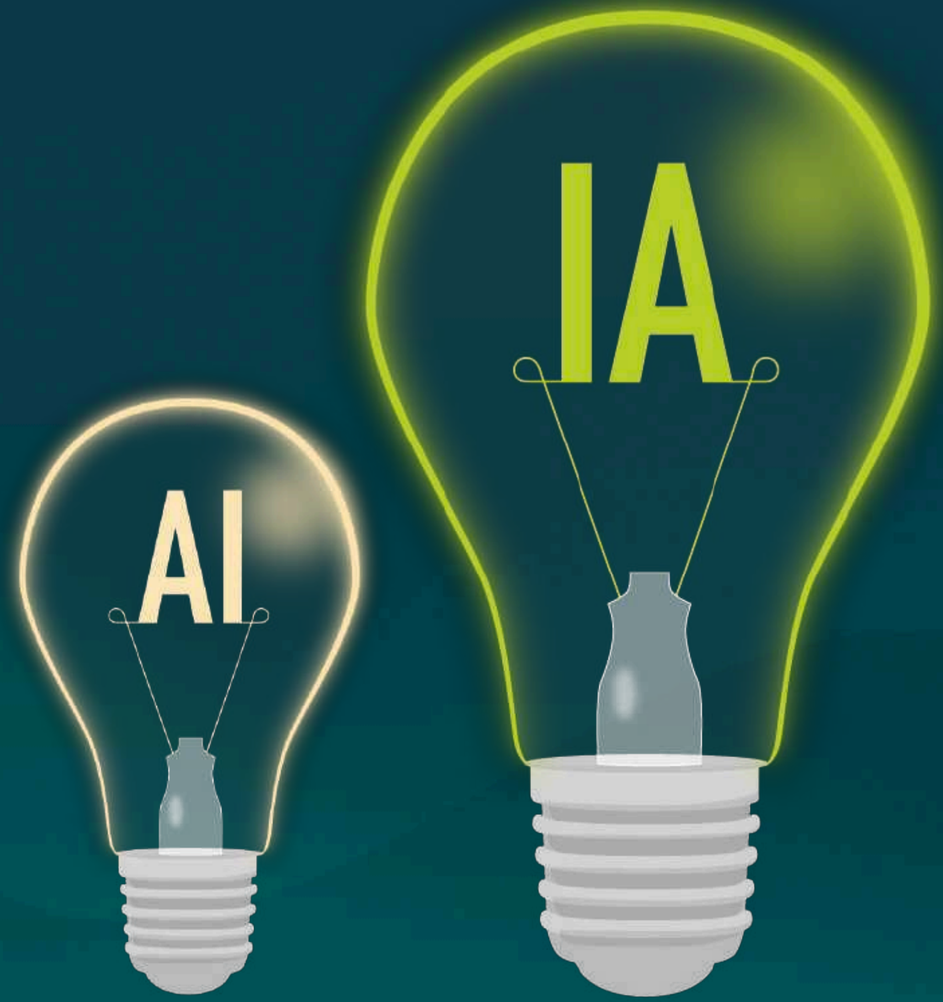
ChatGPT

What People Think It Looks Like



What It Actually Looks Like





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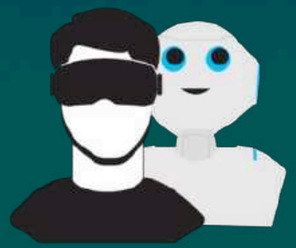
Always keep the humans in the loop!

ASSISTED INTELLIGENCE

AUTOMATION

AUTOMATION
VIRTUALISATION
AUGMENTATION
COGNIFICATION

AUGMENTED INTELLIGENCE



AUTONOMOUS INTELLIGENCE

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Why?

WOULD THIS BE GOOD FOR MY CHILDREN?

Who?

Gerd

EMBRACE TECHNOLOGY – BUT DON'T BECOME IT!

Thanks for your time and attention.
Now, let's talk!

Gerd Leonhard, Futurist & Public Thinker

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THE GREAT ENTERPRISE REINVENTION

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