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Technology and Humanity: The Future



gerdtube.com

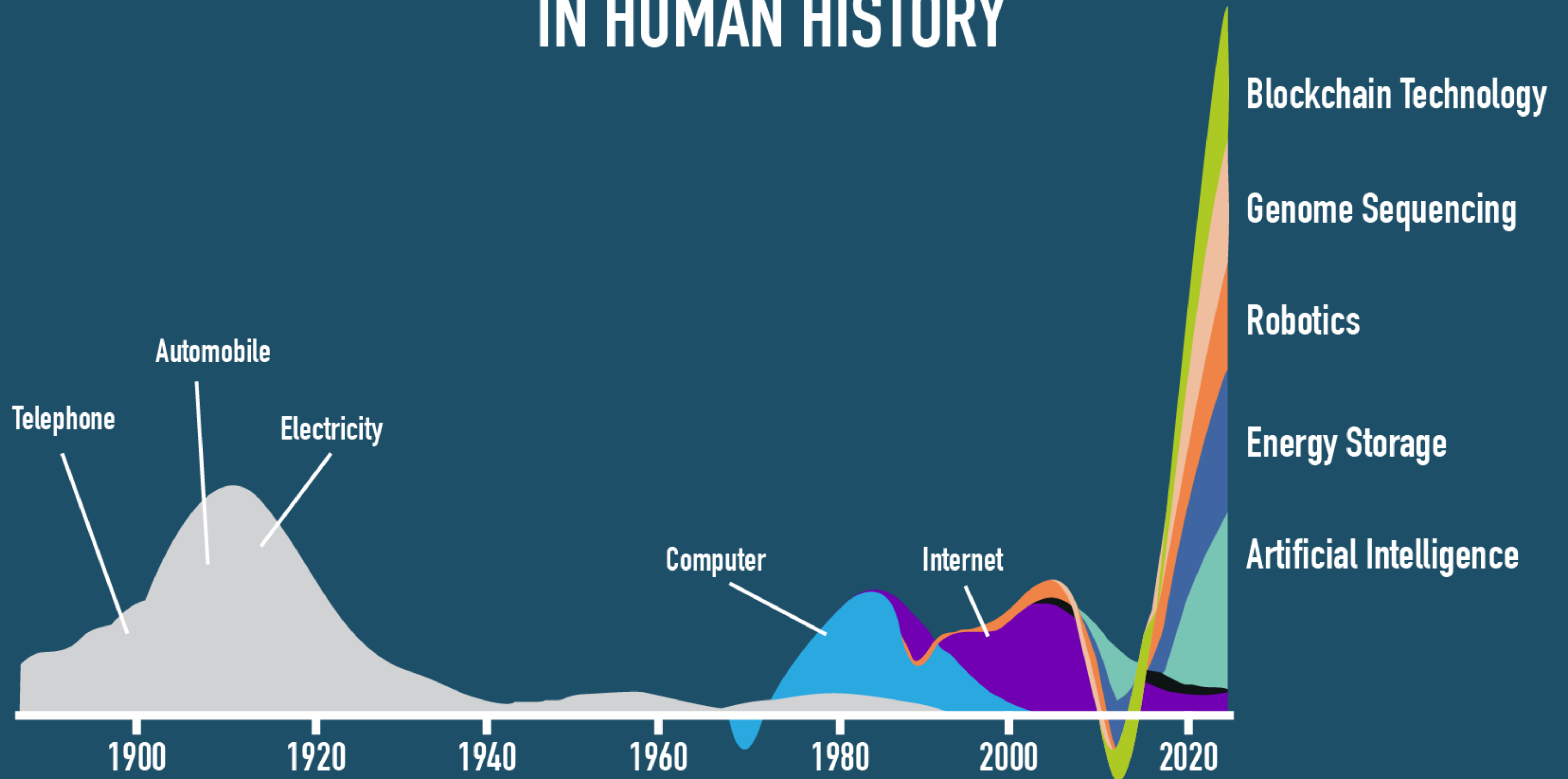


@glebnhard



futuristgerd.com

THE BIGGEST TECHNOLOGICAL TRANSFORMATION IN HUMAN HISTORY



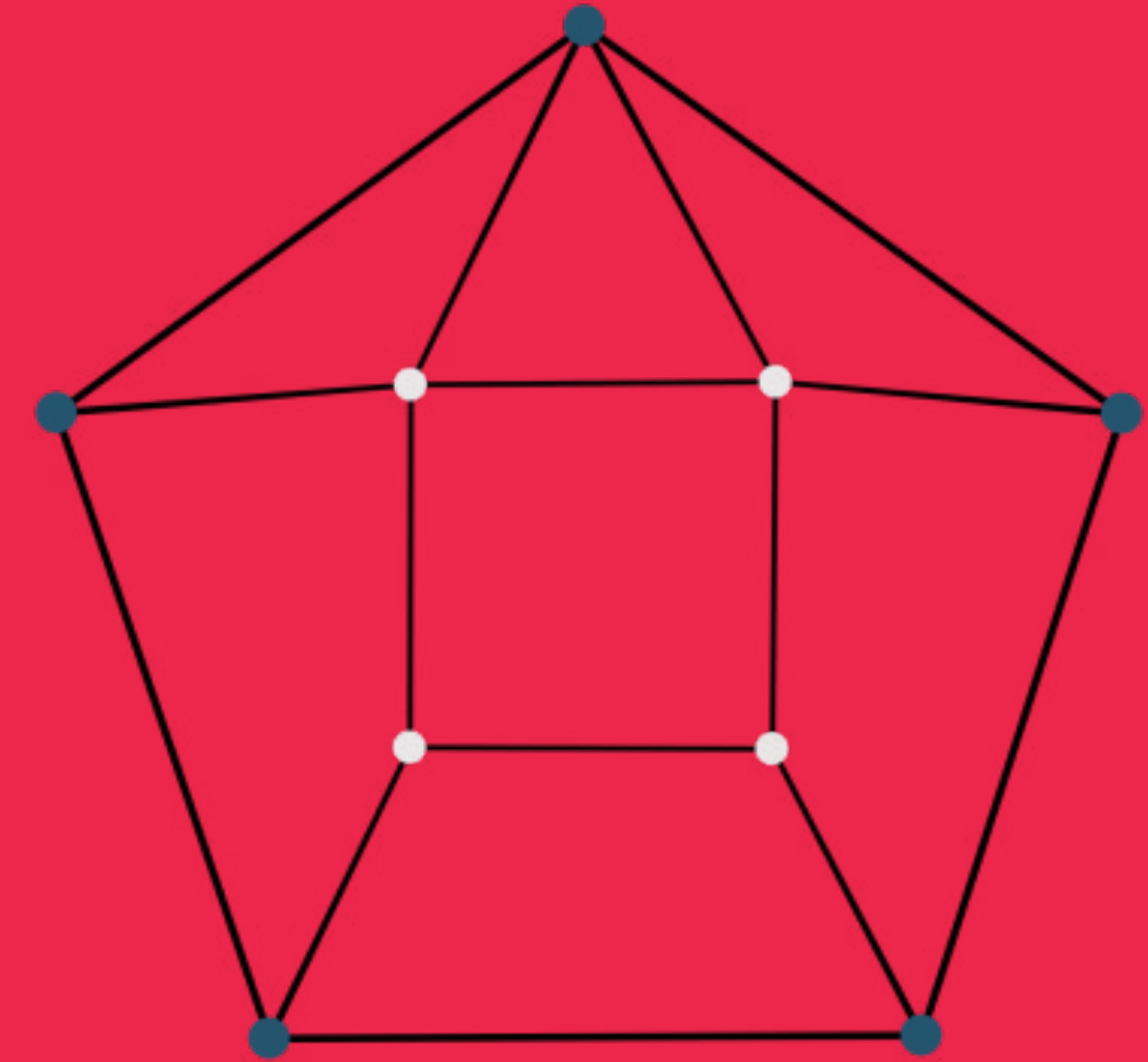
The 3 Future Principles (Technology)

e^x

EXPONENTIAL



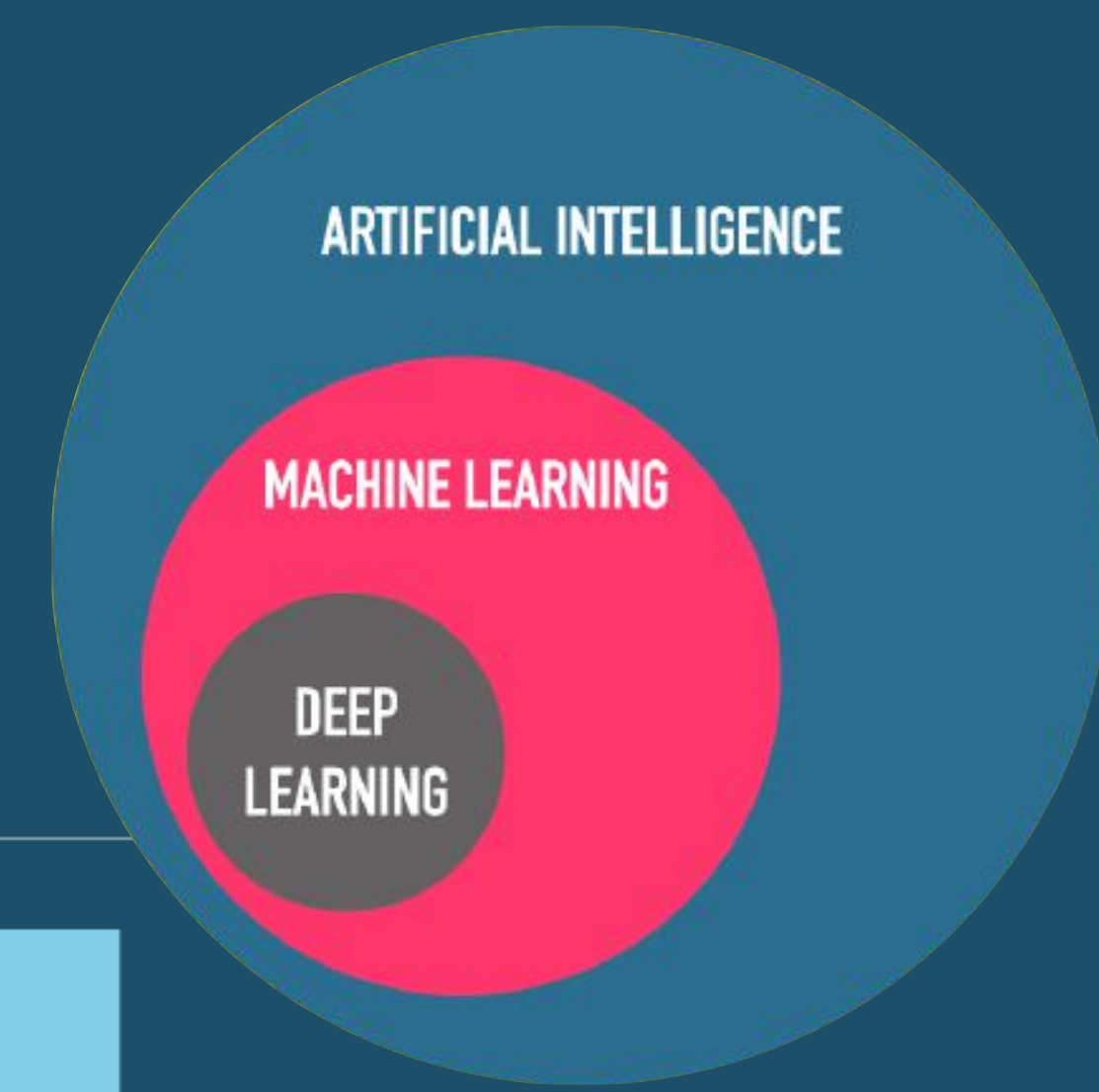
CONVERGENT



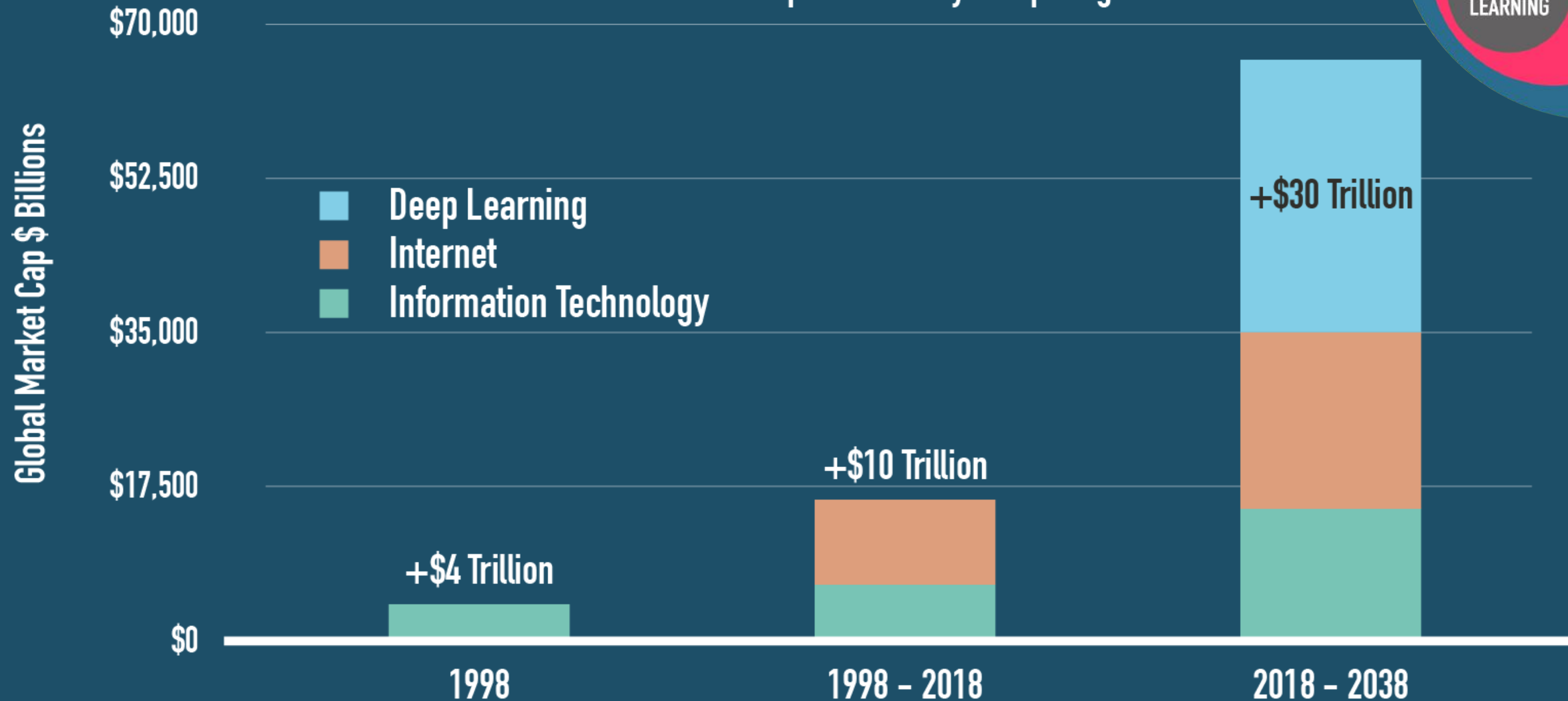
COMBINATORIAL

SIZING THE OPPORTUNITY

DEEP LEARNING COULD CREATE 3x THE VALUE OF THE INTERNET



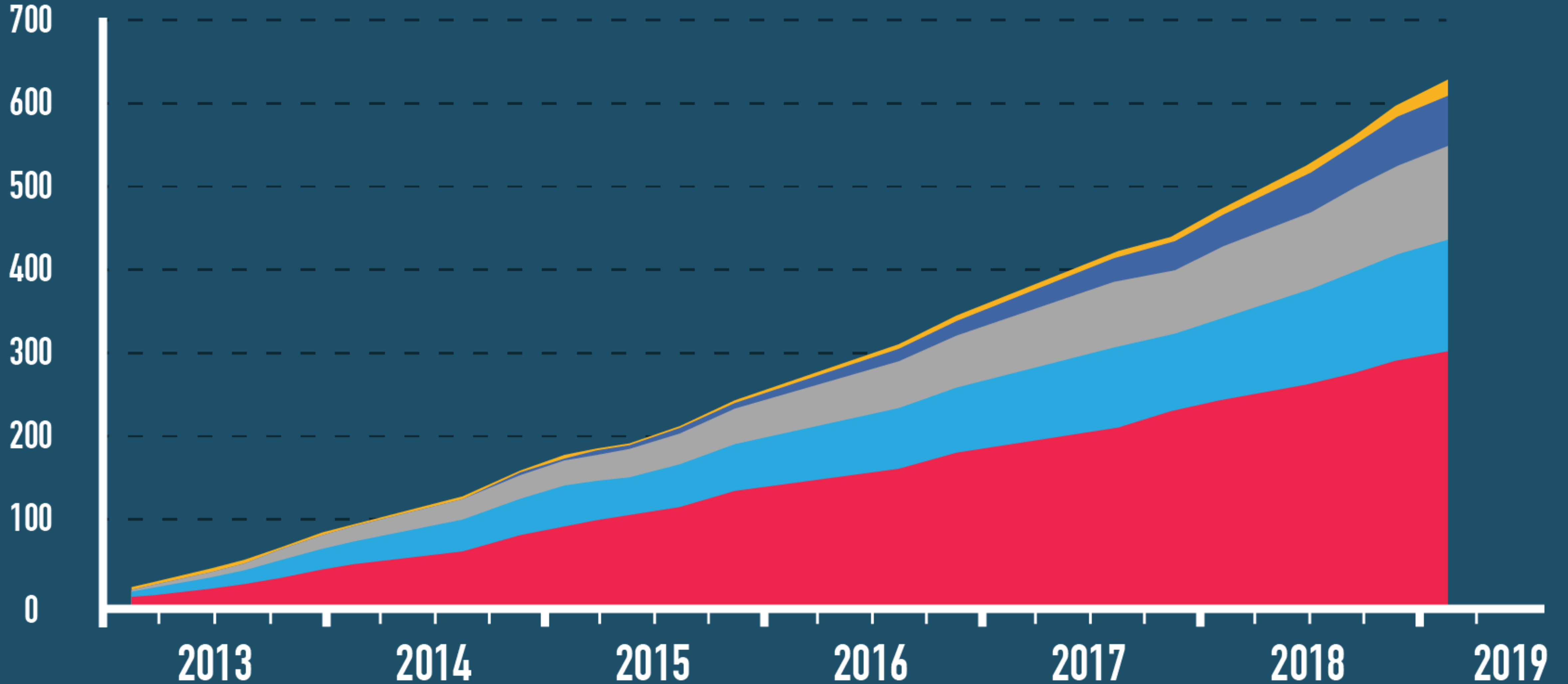
Incremental Market Capitalization by Computing Wave



REALLY BIG TECH

CUMULATIVE PROFITS SINCE Q1 2013, \$bn

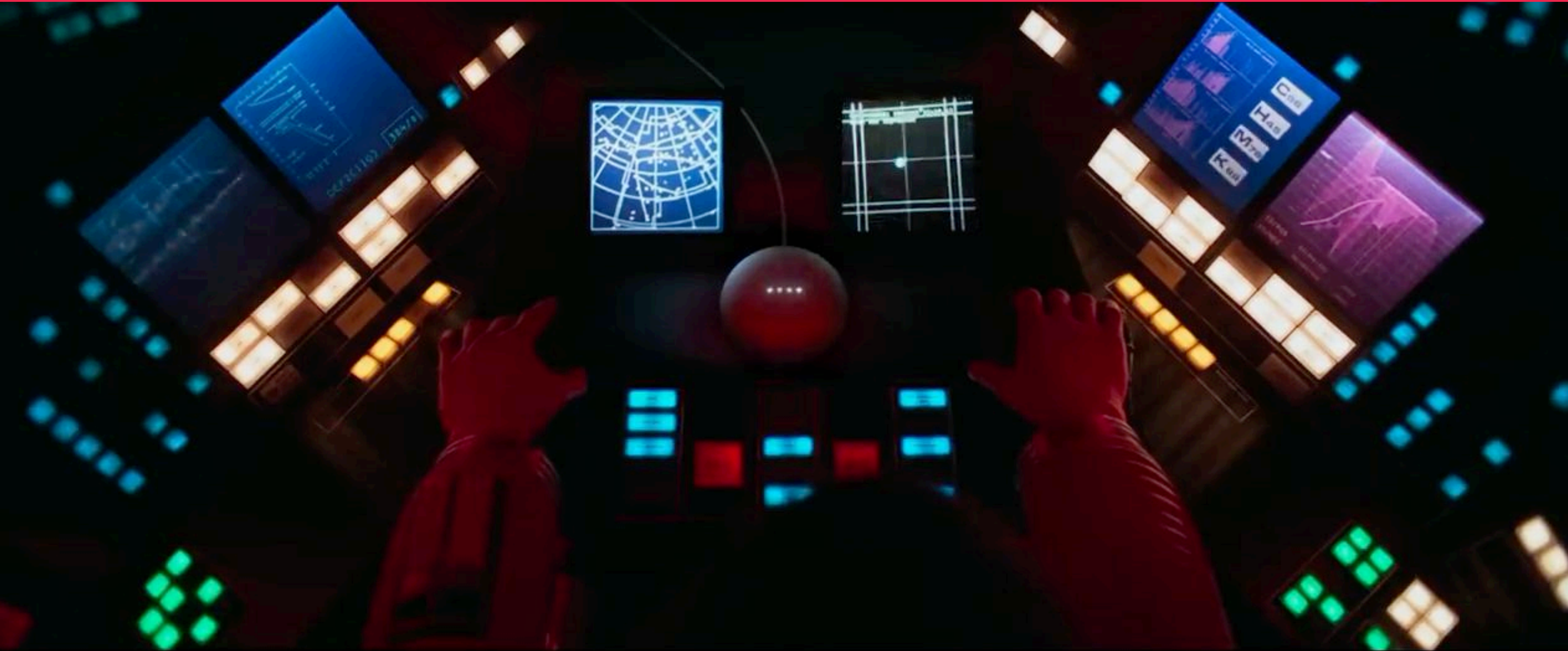
Apple Microsoft Alphabet Facebook Amazon



Exponential technological progress: it could be heaven or it could be hell!



WHO WILL BE MISSION CONTROL FOR HUMANITY?



Humanity ☯ Technology



First, we augmented human MUSCLES



First, we augmented human MUSCLES... now we are augmenting human INTELLIGENCE



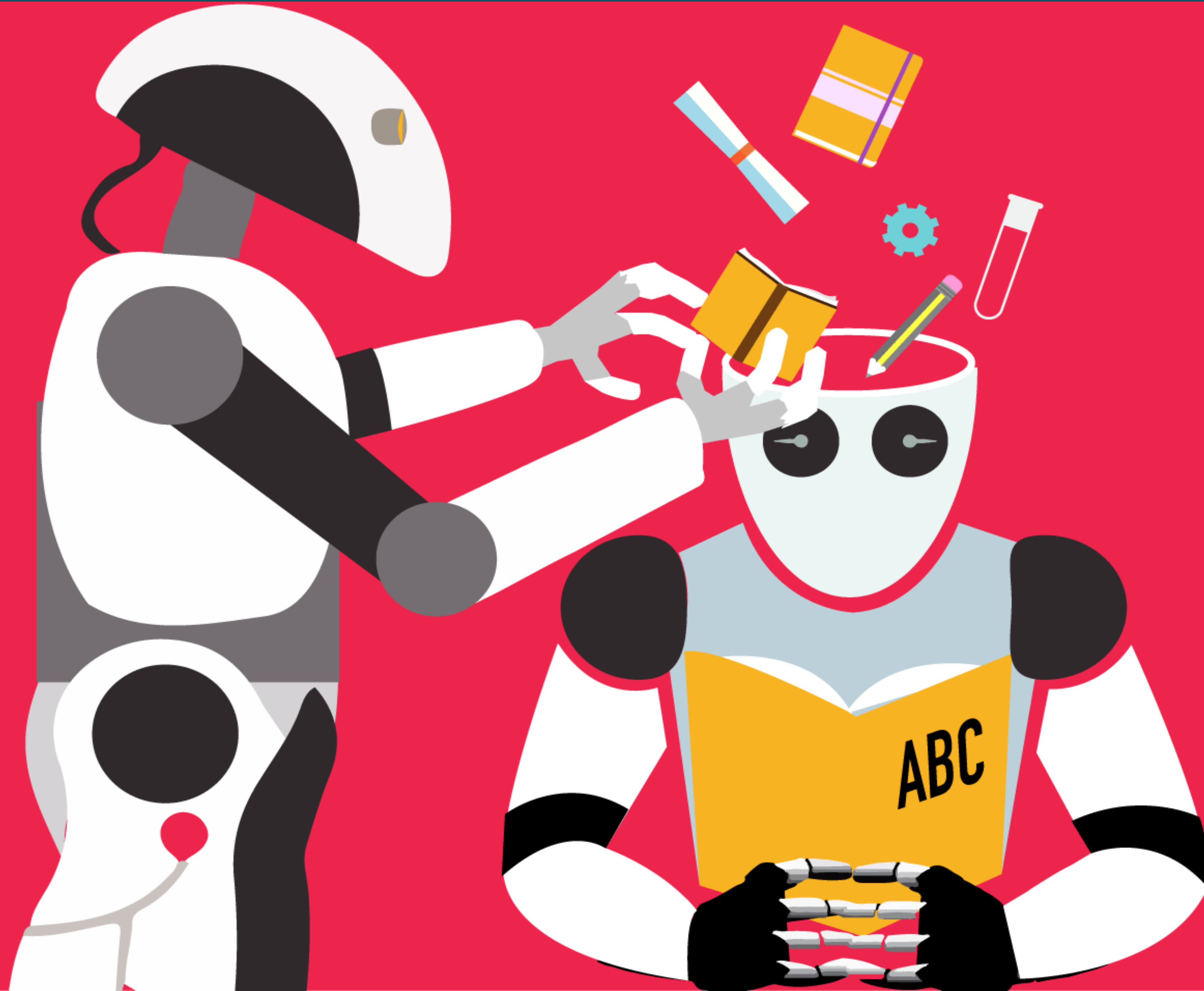
Robot 'Sophia' does NOT 'think' or 'learn' in the human sense – it just simulates responses very quickly, drawing from a vast archive of queries and presets



I love my human compatriots.

TECH
INSIDER

Machines ≠ Humans ≠ Machines



Data and Information
is not Knowledge*
is not Understanding
is not Wisdom
is not Purpose

Anything that can be digitized, automated or virtualised, will be: the END OF ROUTINE



R O U T I N E



PURPOSE

PASSION

CURIOSITY

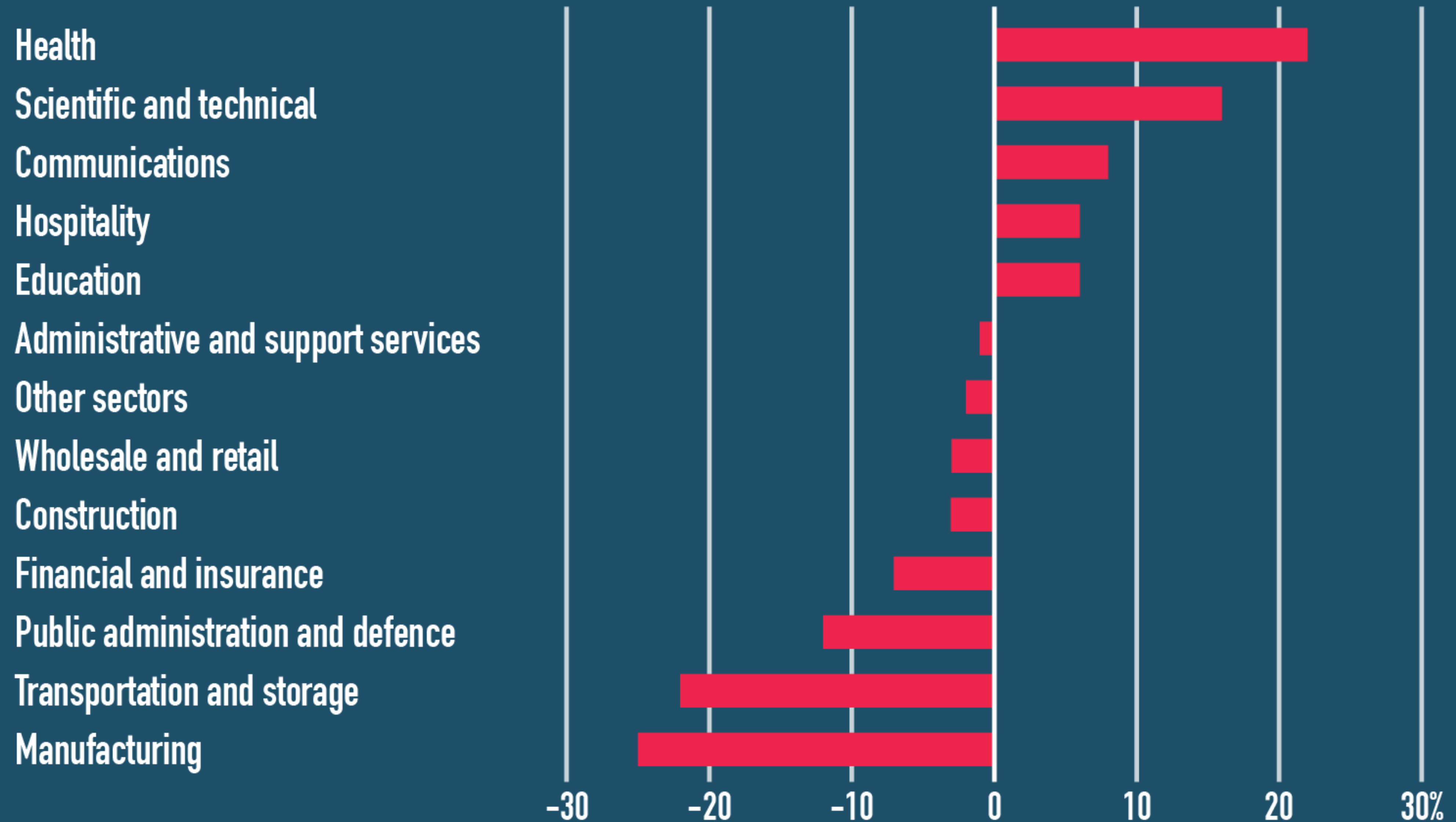
IMAGINATION

FORESIGHT

CRITICAL THINKING



Our ultimate job is to be HUMAN



The temptation: Become superhuman! Omniscient, omnipotent, omnipresent!



ELON MUSK BELIEVES HE CAN

MERGE OUR MINDS

WITH MACHINES

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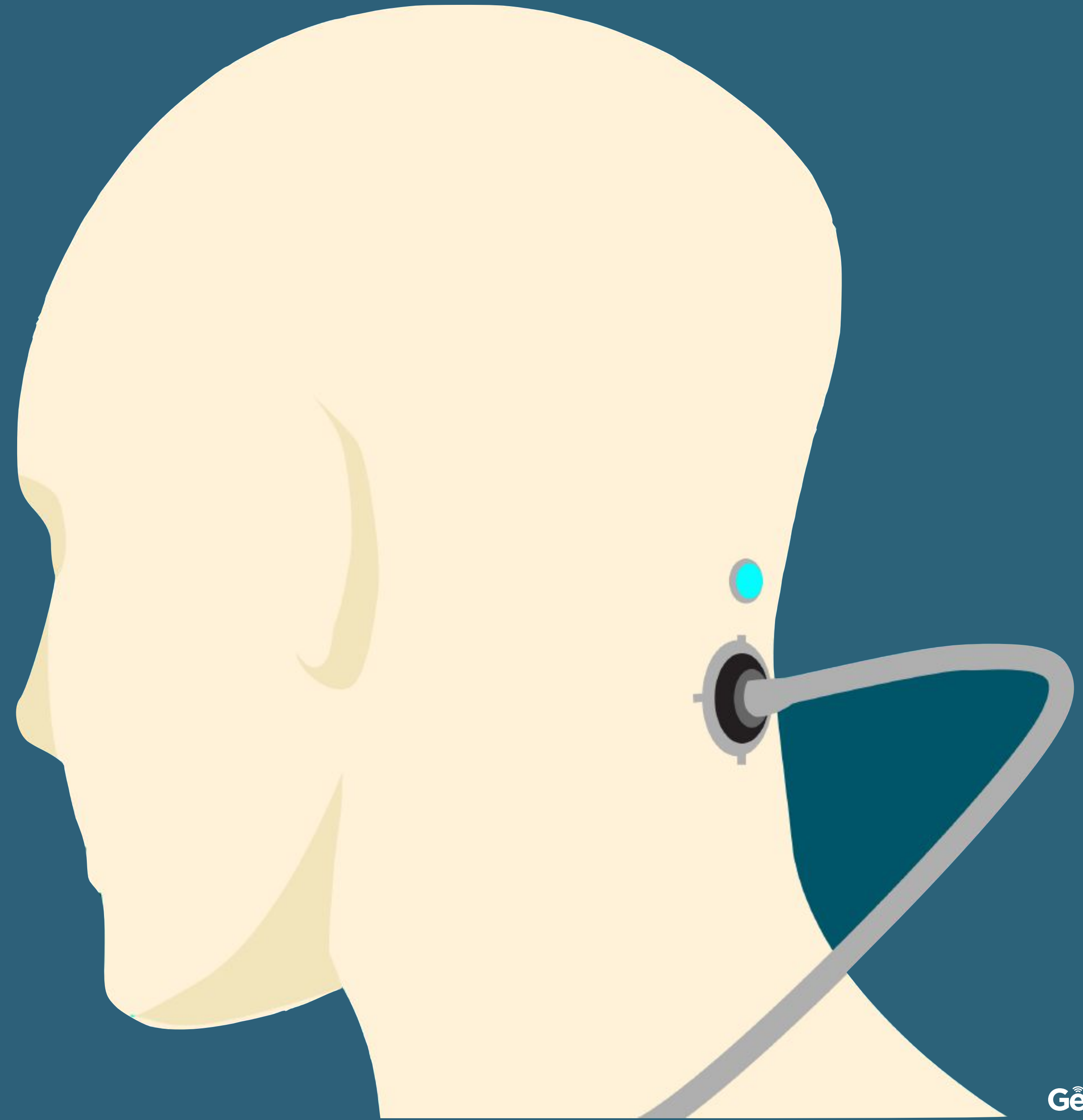
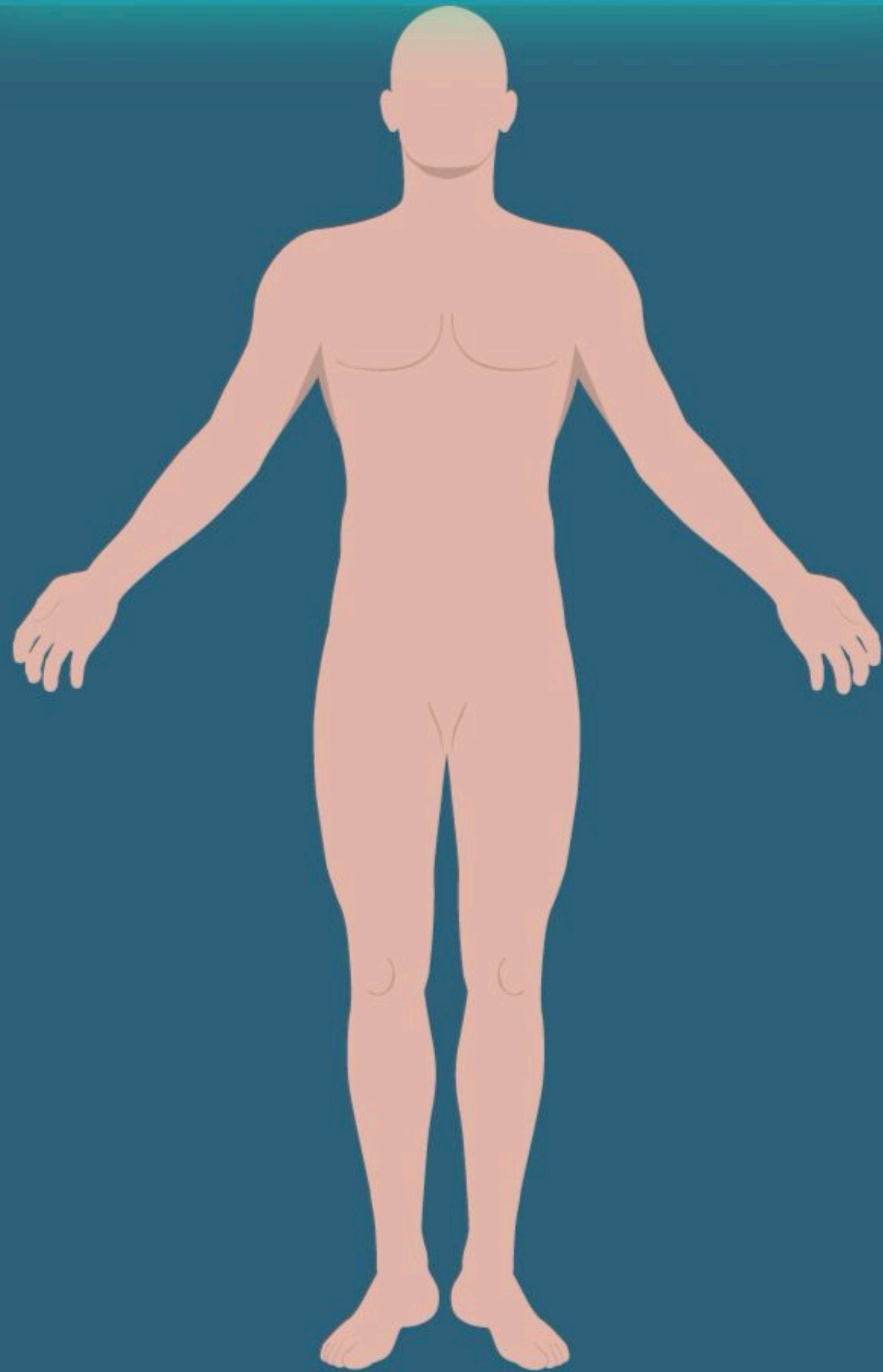
His new venture, Neuralink,
is a thin mesh device

THAT WILL BE

INSERTED INTO HUMAN SKULLS

TO CREATE AN INTERFACE WITH THE BRAIN

Too much of a good thing can be a very bad thing



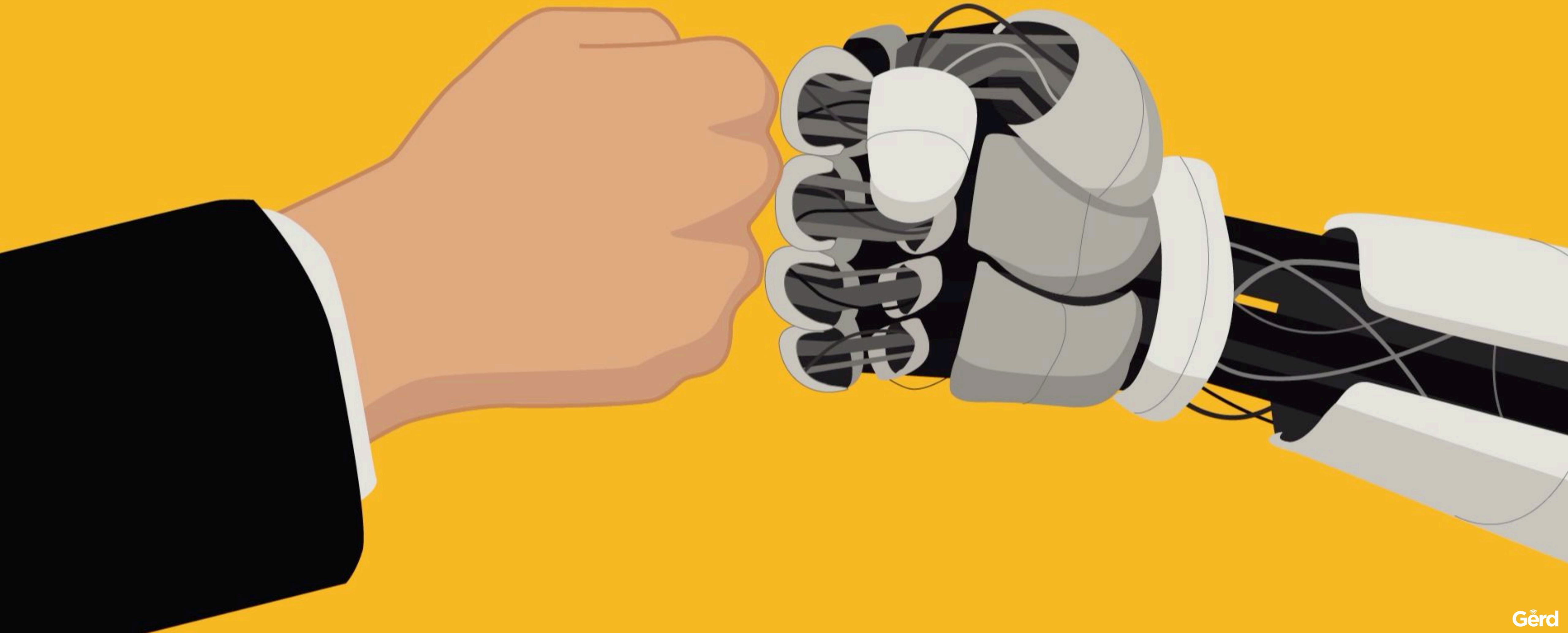
Technology is exponential but humans are linear. Should we UPGRADE or RESPECT the difference?



#DigitalEthics



#DigitalEthics



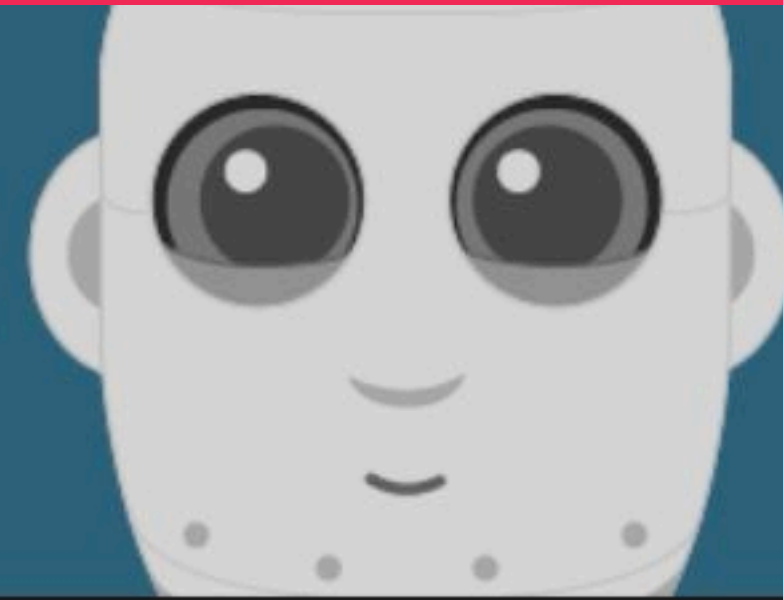
"Ethics is knowing the difference between what you have a right (or the power) to do and what is the right thing to do"

adapted from Potter Stewart



TECHNOLOGY HAS NO ETHICS

Technology can do great things, but it does not want to do great things – it doesn't want anything (Tim Cook)



Societies are driven by their technology but defined by their ETHICS



Societies are driven by their technology but defined by their ETHICS



**“The social-media
meltdown results
from optimizing the
wrong objective on
a global scale with
fairly unintelligent
algorithms”**

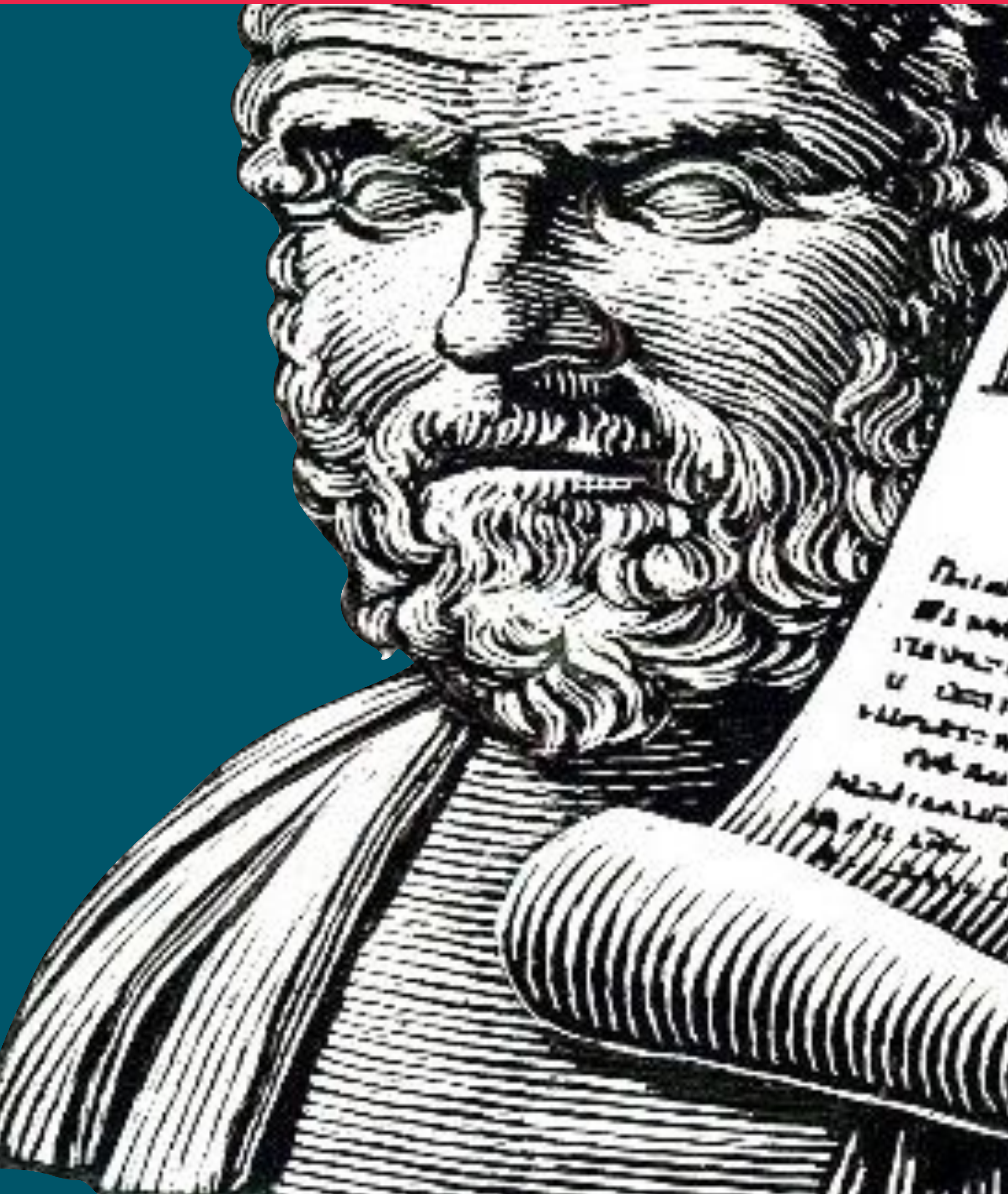
Stuart Russell in 'Human Compatible'



Transparency | Responsibility | Accountability | Safety & Security | Trust | VALUES



Do we need a 'HIPPOCRATIC OATH' for technologists and technology companies?



**“I will ensure that
everything I invent,
enable, provide or sell is
designed to further
HUMAN FLOURISHING”**

SUSTAINABLE CAPITALISM

Globally, the 26 richest people in the world now have as much wealth as the poorest 3.8 billion people



PEOPLE



PLANET



PURPOSE



PROSPERITY



PEOPLE



PLANET

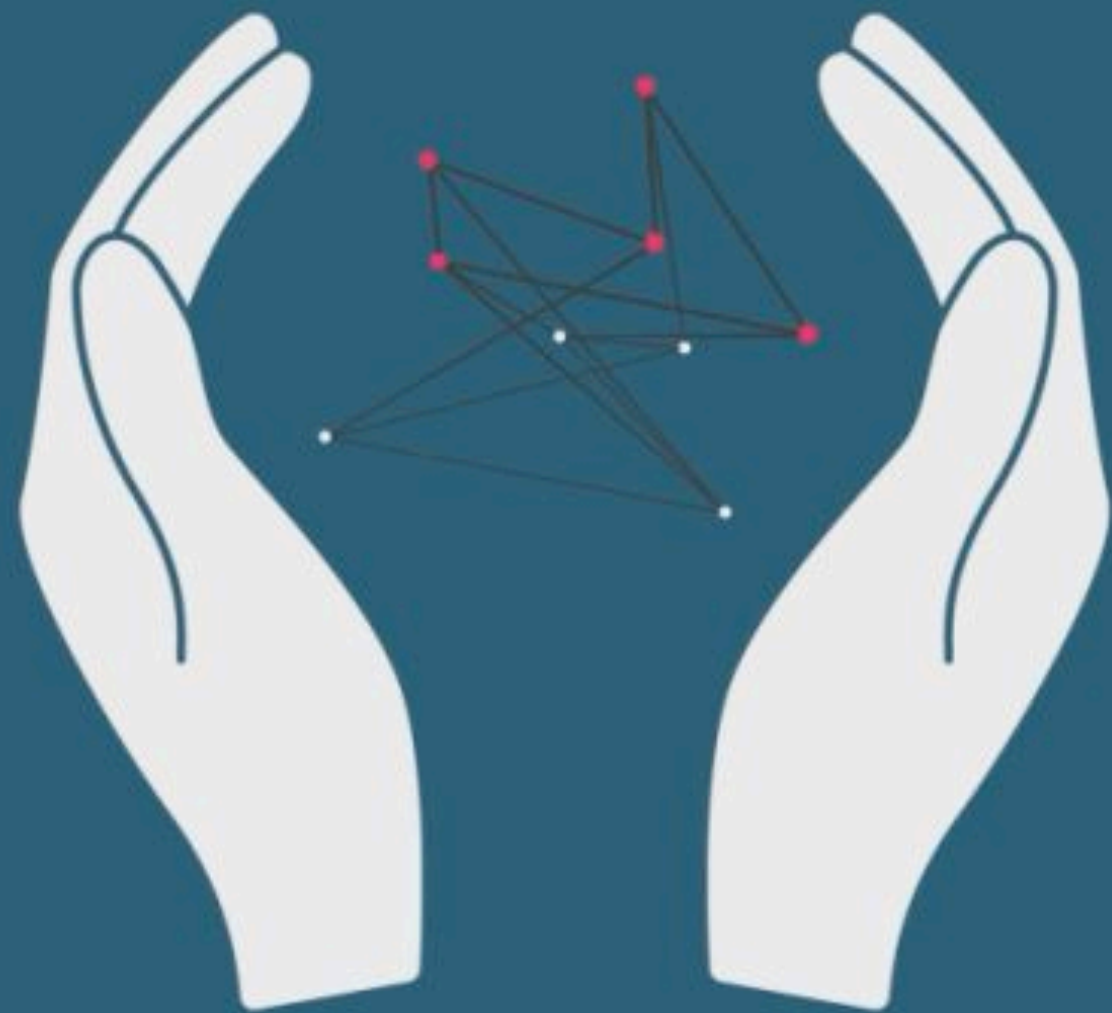


PURPOSE



PROSPERITY

A new RENAISSANCE



HOLISTIC



CIRCULAR



HUMAN

Not just shareholder return but **STAKEHOLDER** return

Shareholder Value Is No Longer Everything, Top C.E.O.s Say

Chief executives from the Business Roundtable, including the leaders of Apple and JPMorgan Chase, argued that companies must also invest in employees and deliver value to customers.





...because technology is not WHAT we seek but HOW we seek



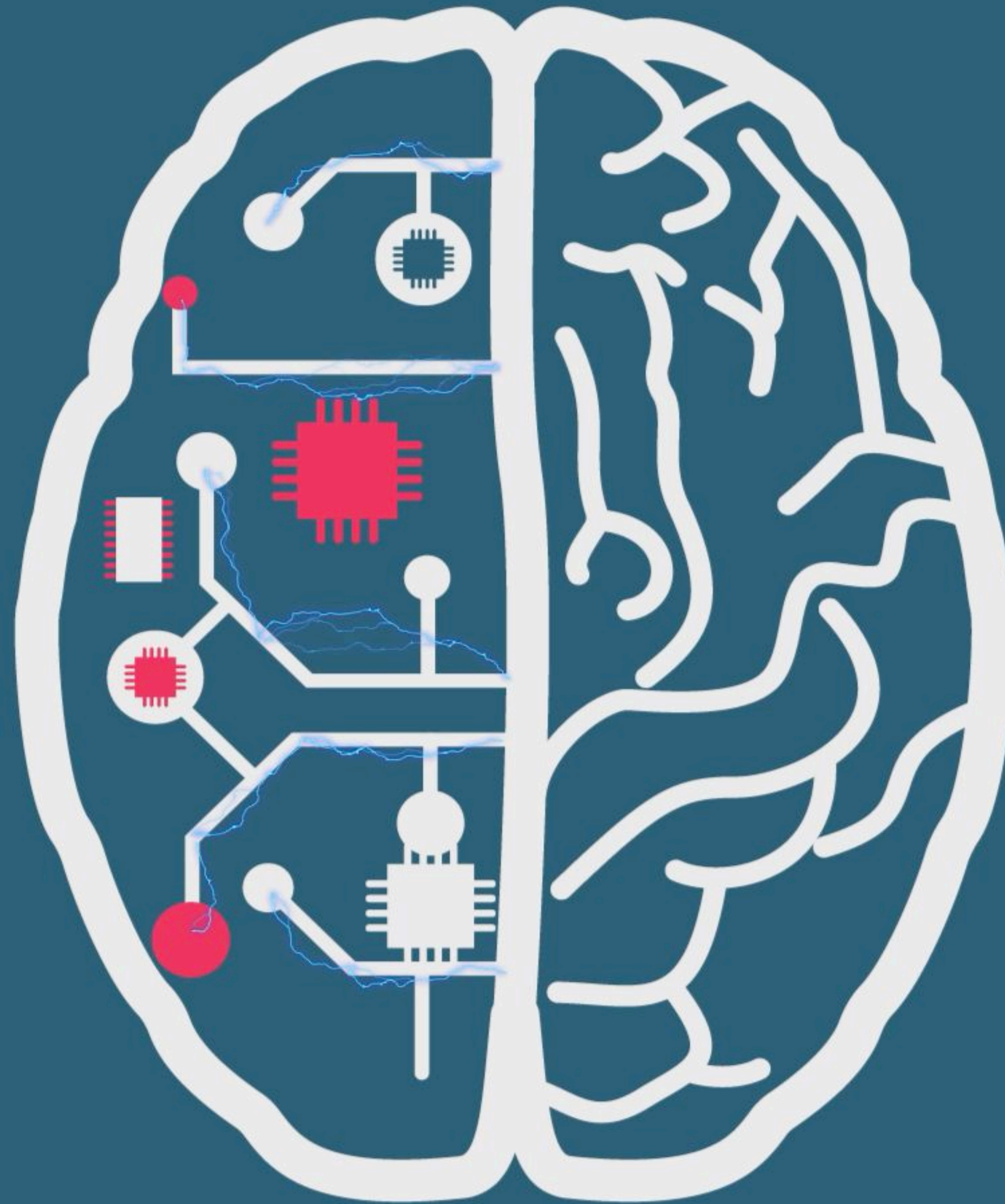
Every politician and public official should have a “driver’s license for the future”



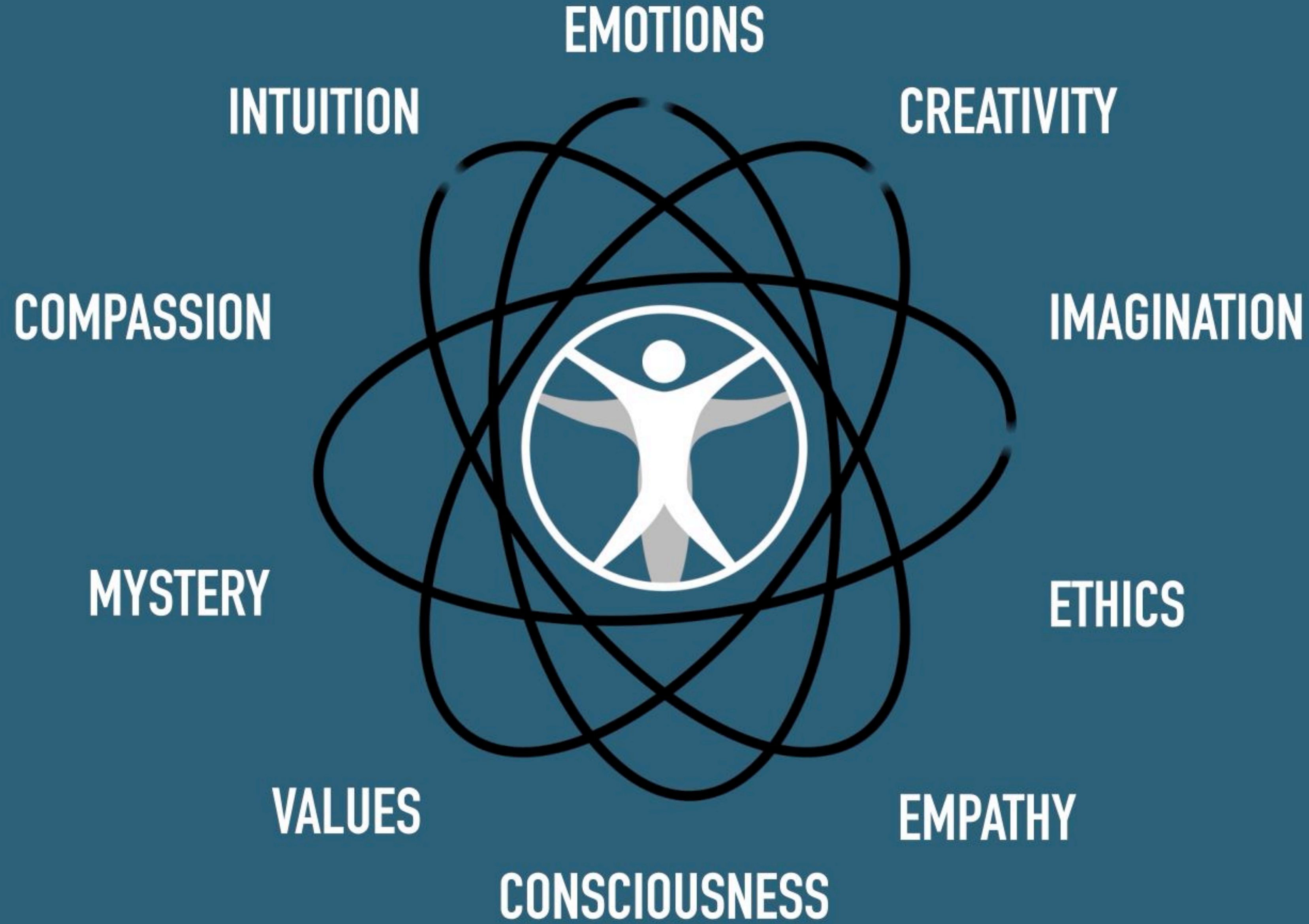
Our future: Awesome humans on-top of amazing technology



If you want to become 'exponential' you must become a MACHINE



Embrace technology – but don't become it





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