

The next 10 years:

Rethinking Work, Revolutionising Education



Gerd Leonhard, Futurist & CEO The Futures Agency



@gleonhard



gerdtube.com



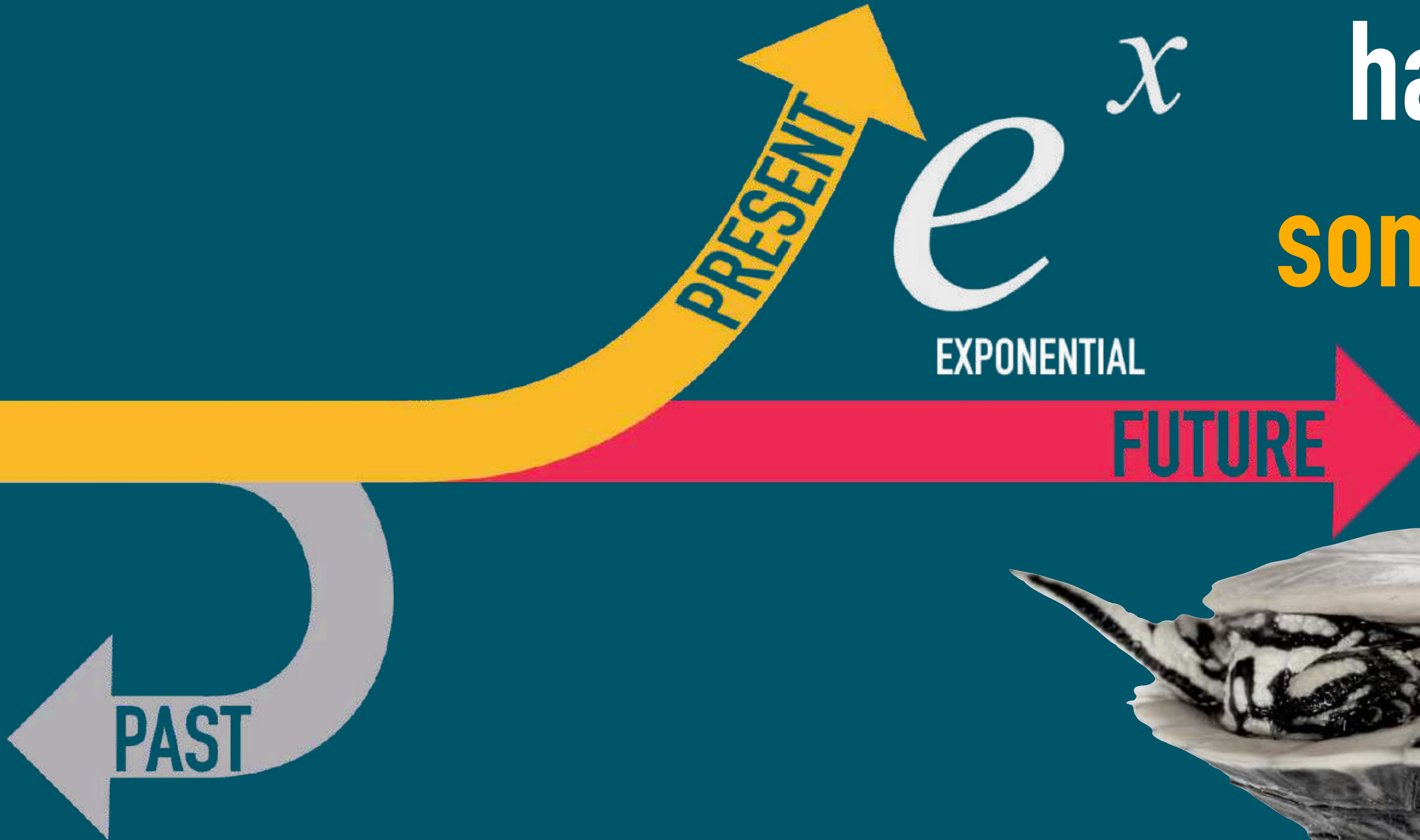
futuristgerd.com



thegoodfuturefilm.com

The future is **no longer** an extension of the present

The future is not something that just happens to us – **it's something we CREATE!**



As you see the future, so you act; as you act so you become!

Barbara Hubbard / Buckminster Fuller



GREAT EDUCATION enables us to

**SEE, HEAR and
CREATE THE
FUTURE**



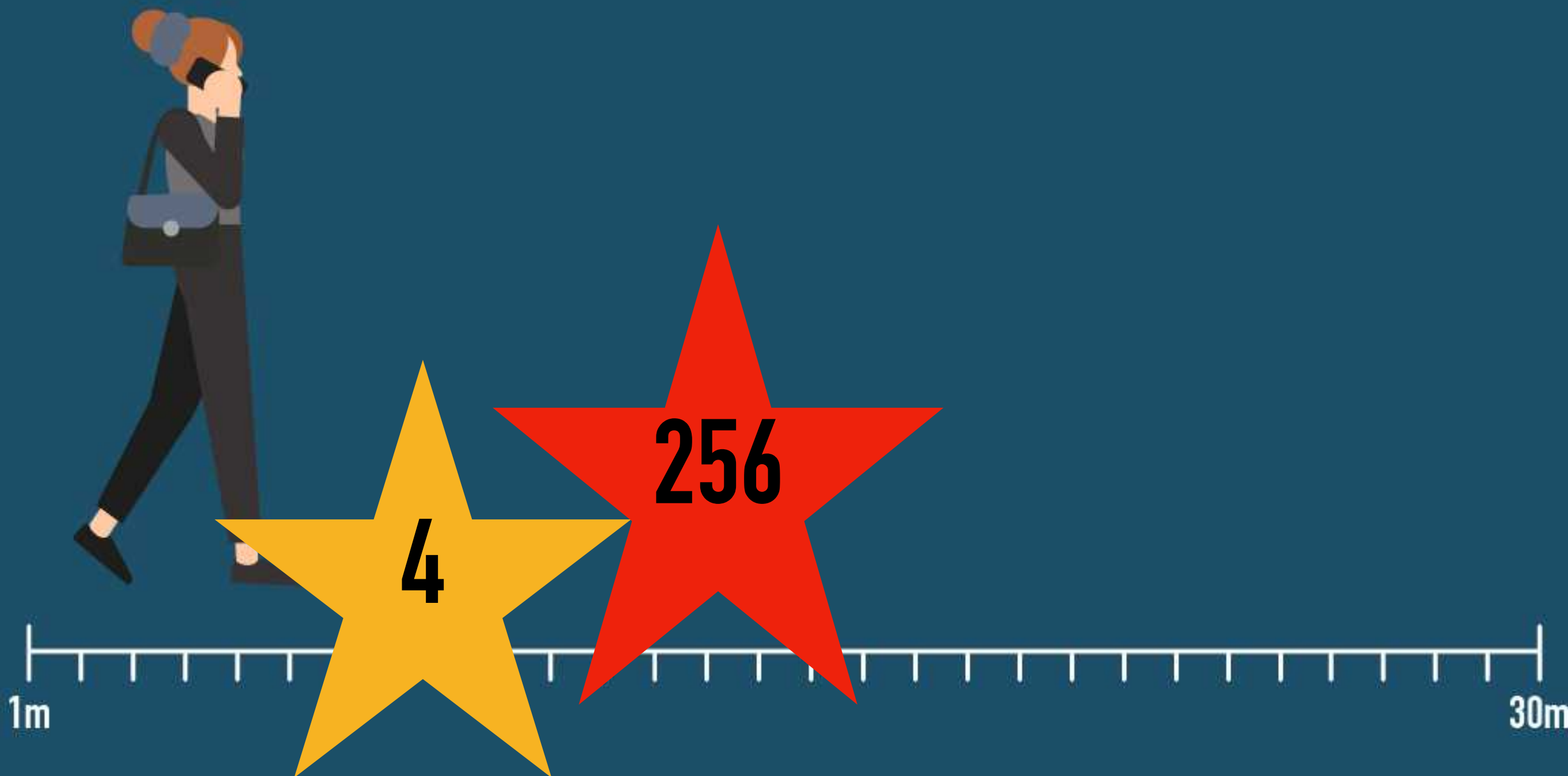
Your attitude contains your Future !

We are **LEAPING** INTO THE FUTURE

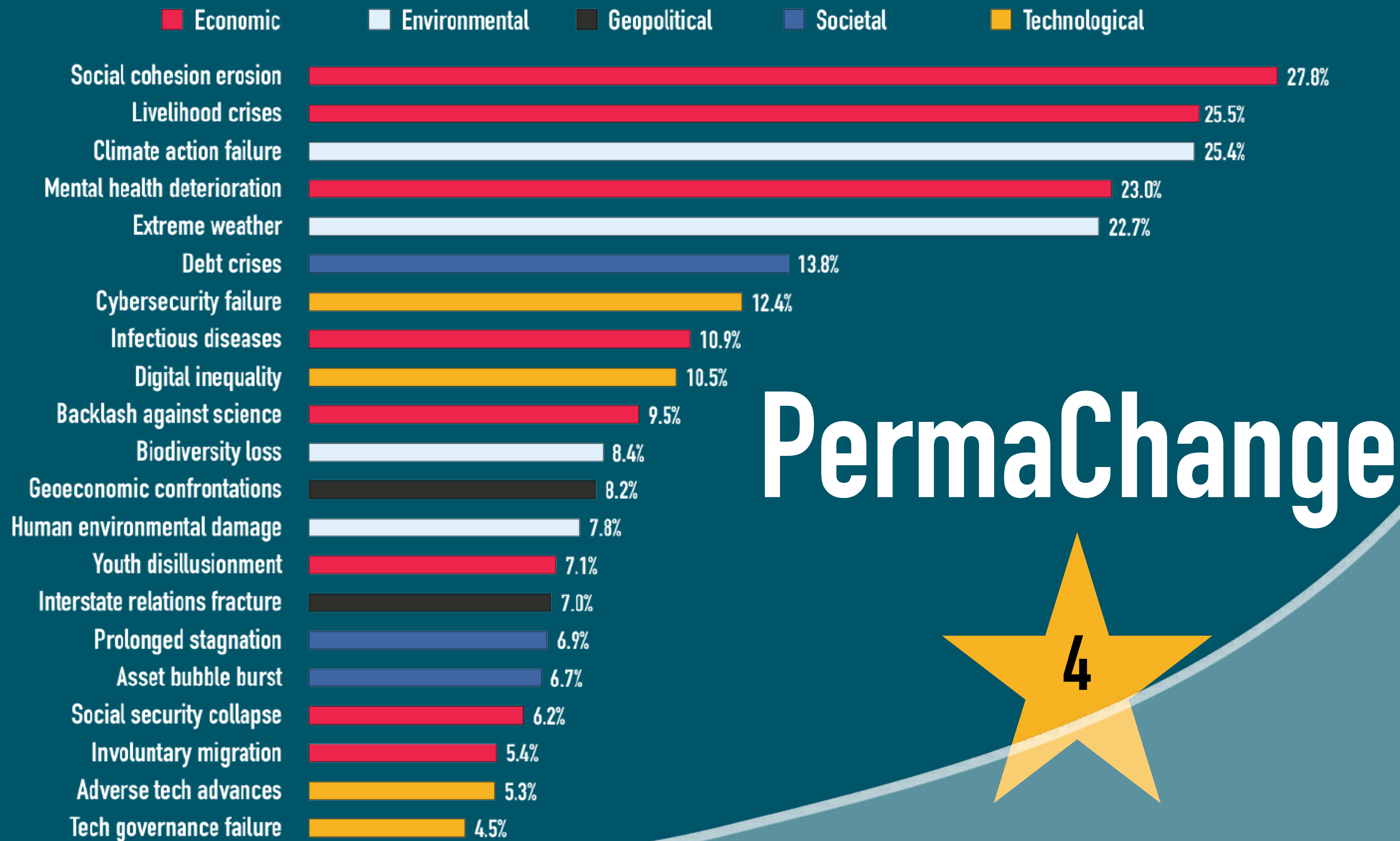
30 LINEAR steps will take you
30 meters from the starting point

e^x
EXPONENTIAL

30 EXPONENTIAL steps will take you
26 trips around the world!



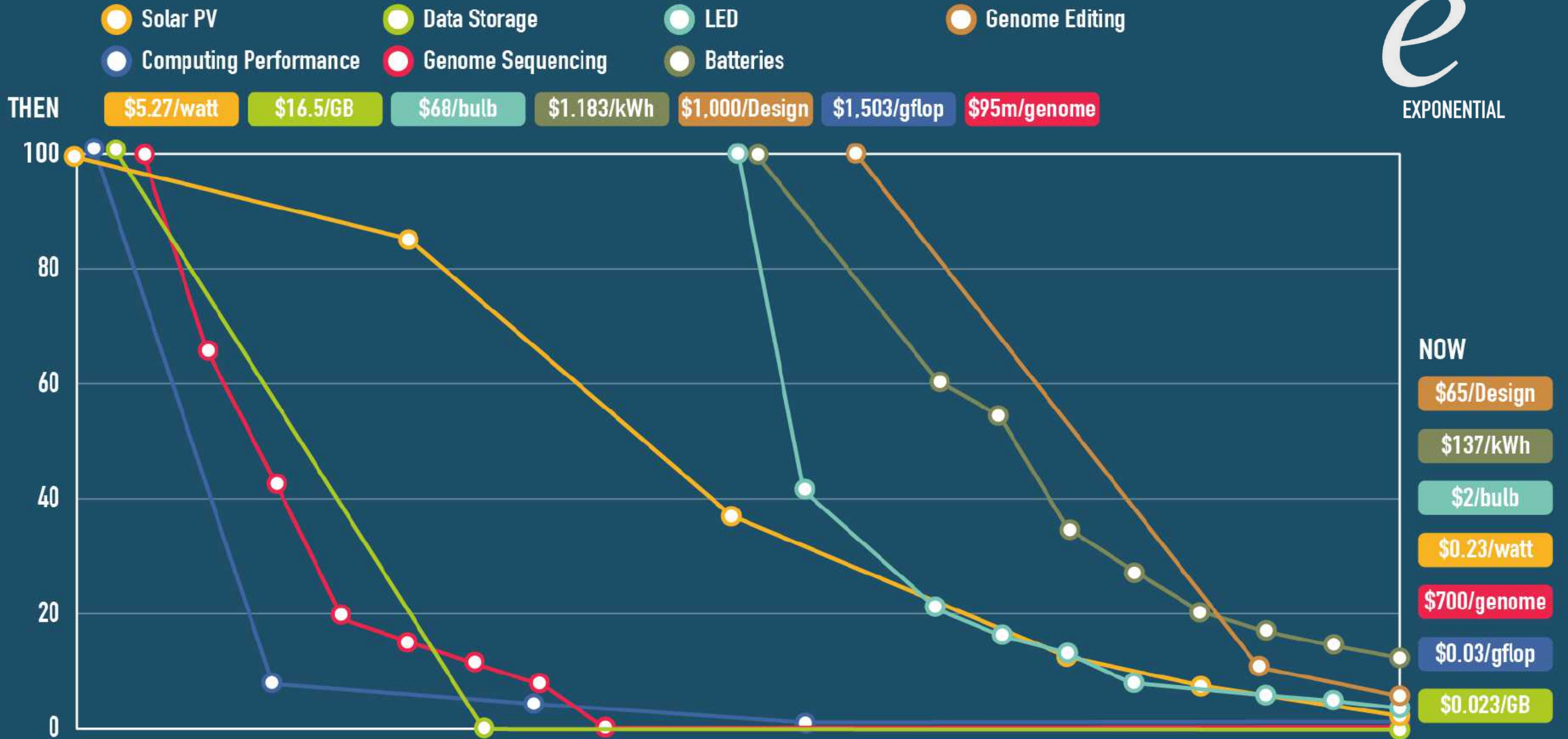
The next 10 years will bring more change than the previous 100 years



EXPONENTIAL COST REDUCTION TREND

e^x

EXPONENTIAL

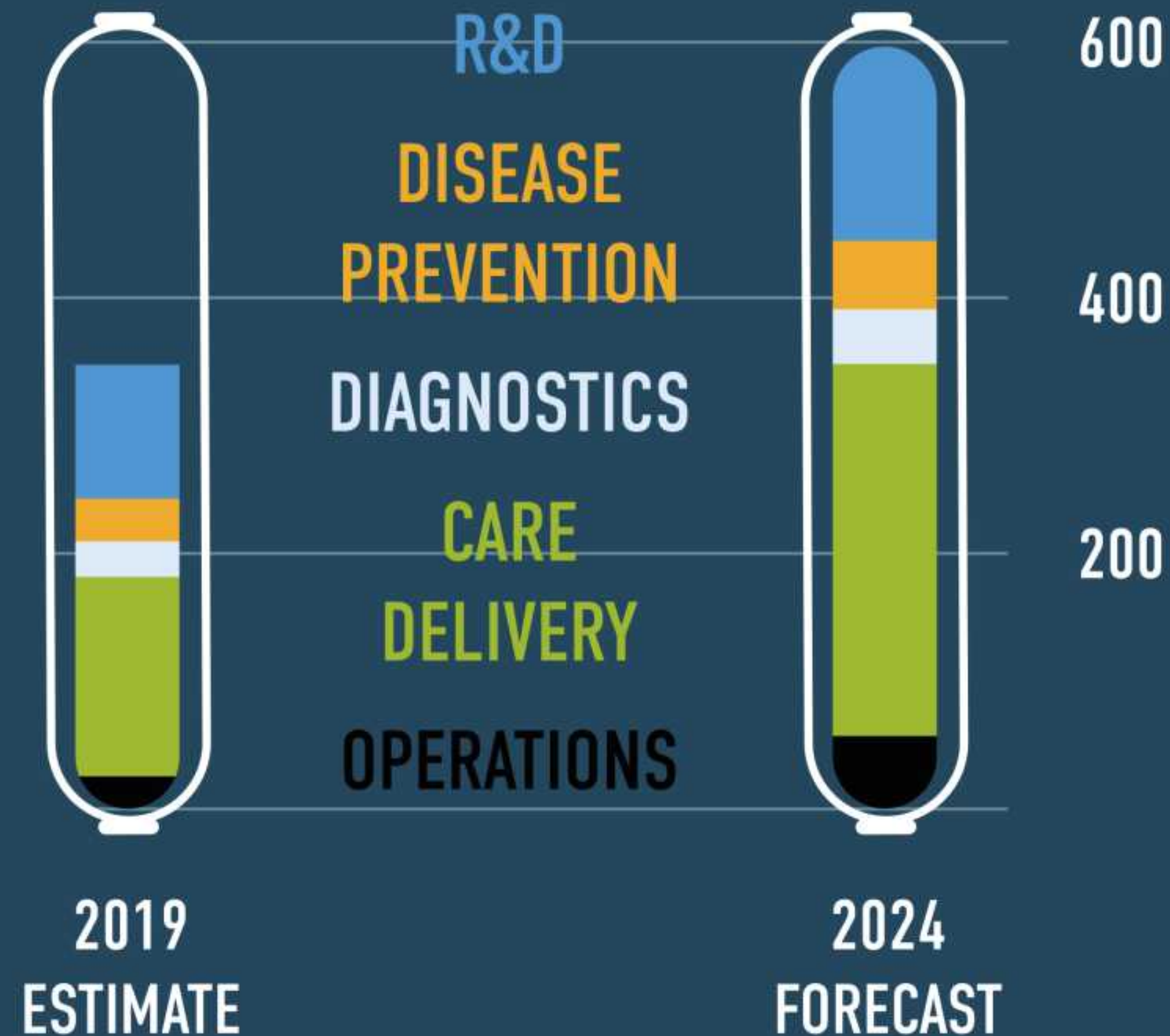


Source: Balance Point Ventures

Gerd

Gerd

GLOBAL DIGITAL HEALTHCARE MARKET SIZE BY \$ BILLION

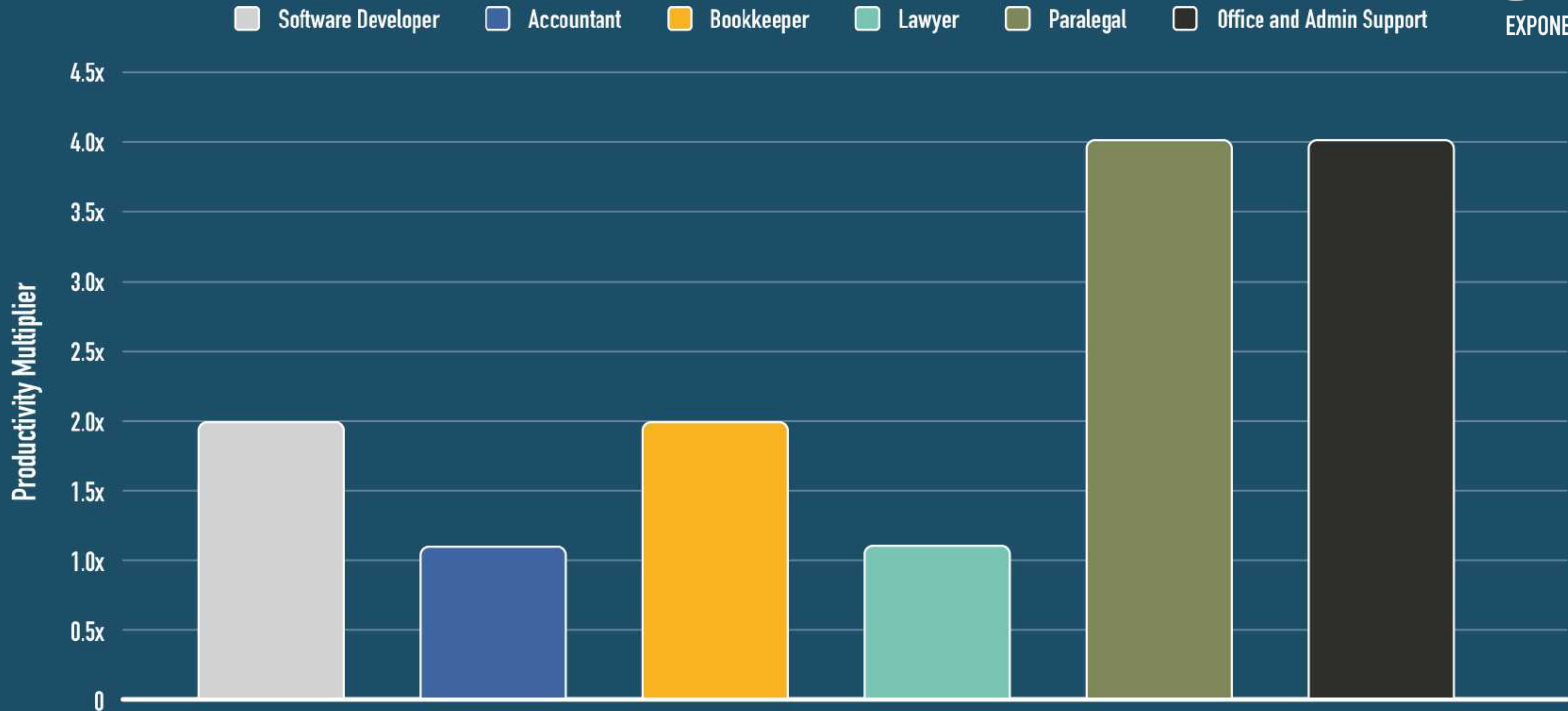


OUTPUT OF AI-ASSISTED KNOWLEDGE WORKERS 2021 TO 2030

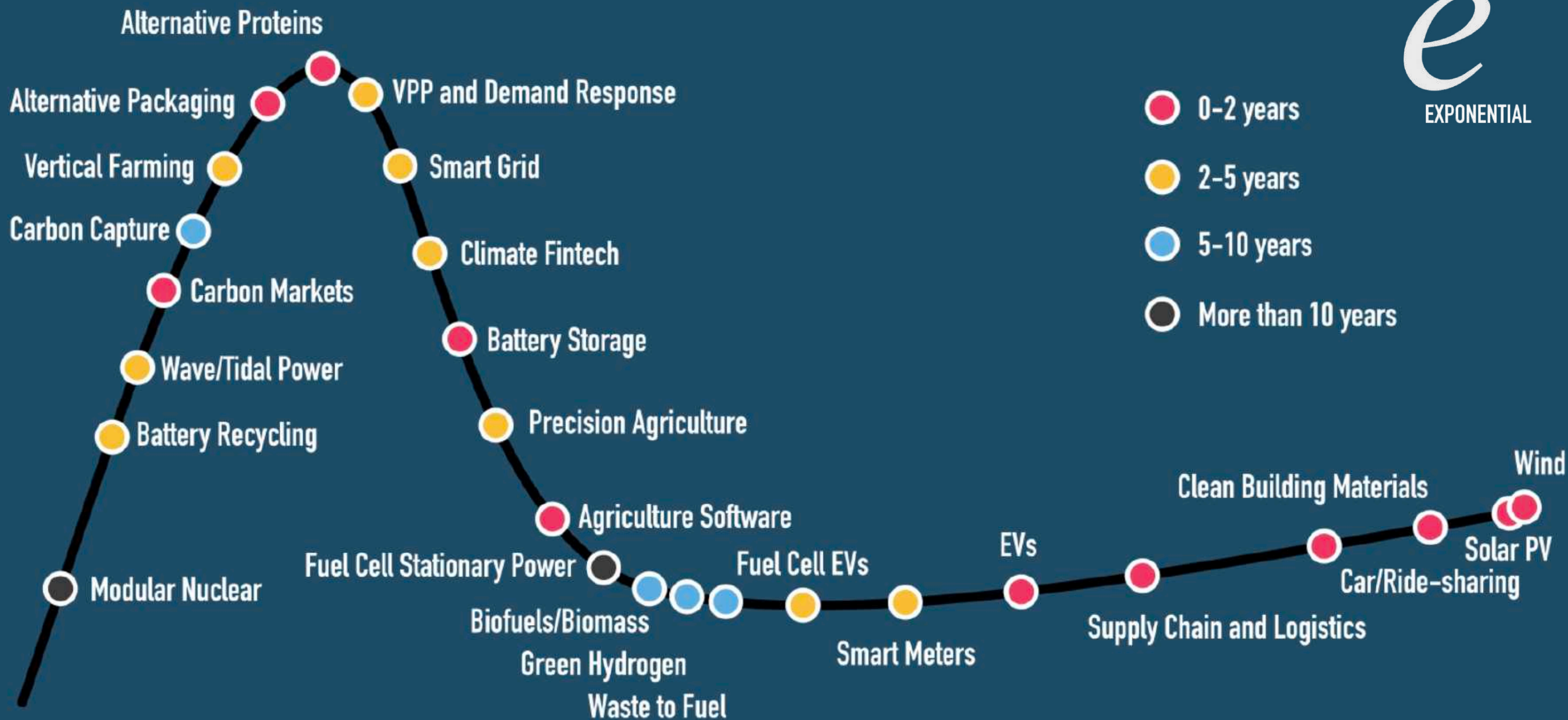
BY 2030 AI WILL INCREASE THE OUTPUT OF KNOWLEDGE WORKERS BY 140%

e^x

EXPONENTIAL



e^x
EXPONENTIAL



Traditional Education is unfit for an Exponential / PermaChange World



VOLATILITY



UNCERTAINTY



COMPLEXITY



AMBIGUITY

Traditional Education is unfit for an Exponential / **PermaChange** World



VELOCITY



UNORTHODOXY



CO-CREATION



AWESOMENESS

Futurist and Polymath Buckminster Fuller

“All children are born
GENUISES, but
9999 out every 10000 are
swiftly and inadvertently
DEGENIUSED by grownups”



VELOCITY



UNORTHODOXY

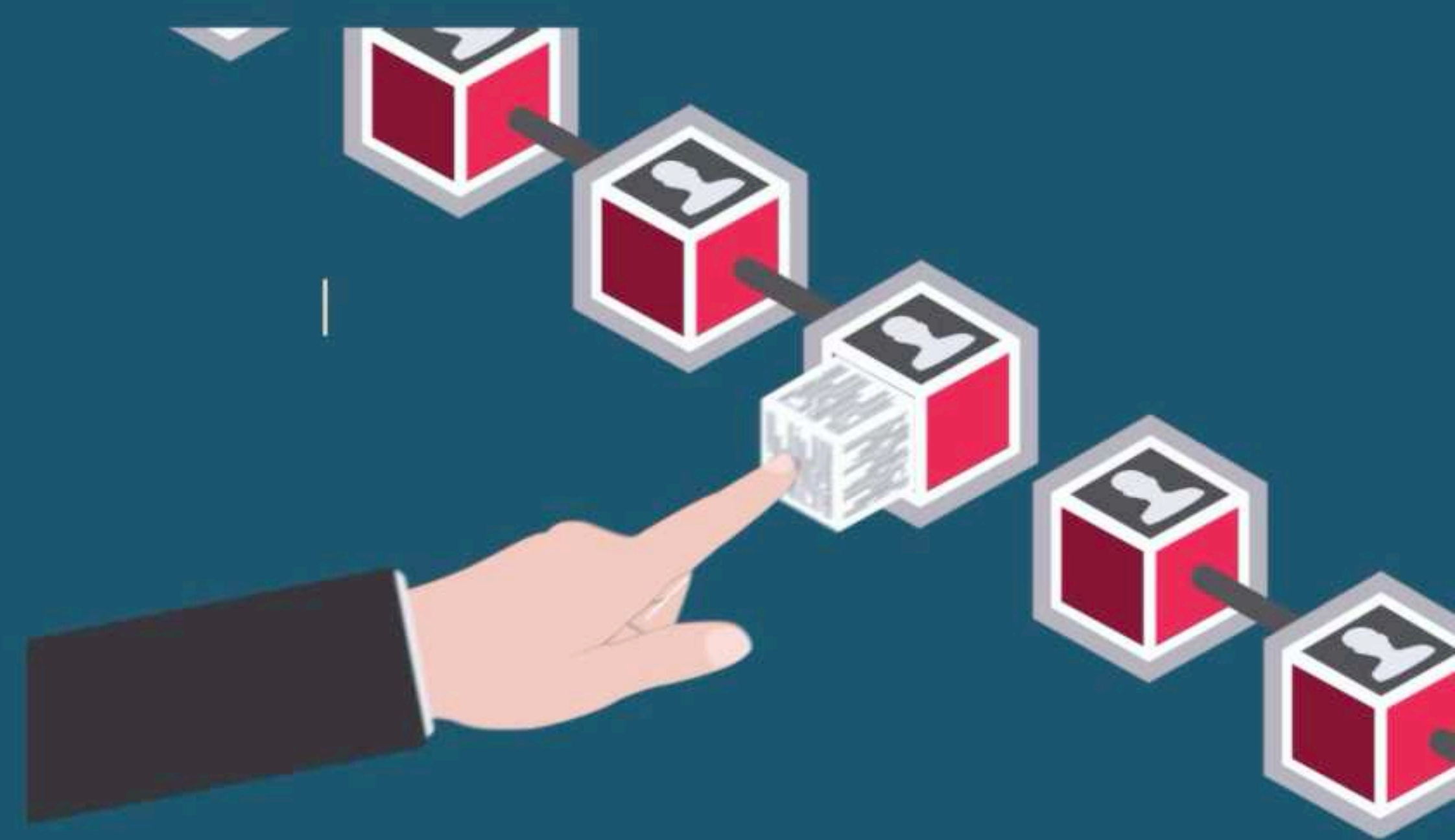
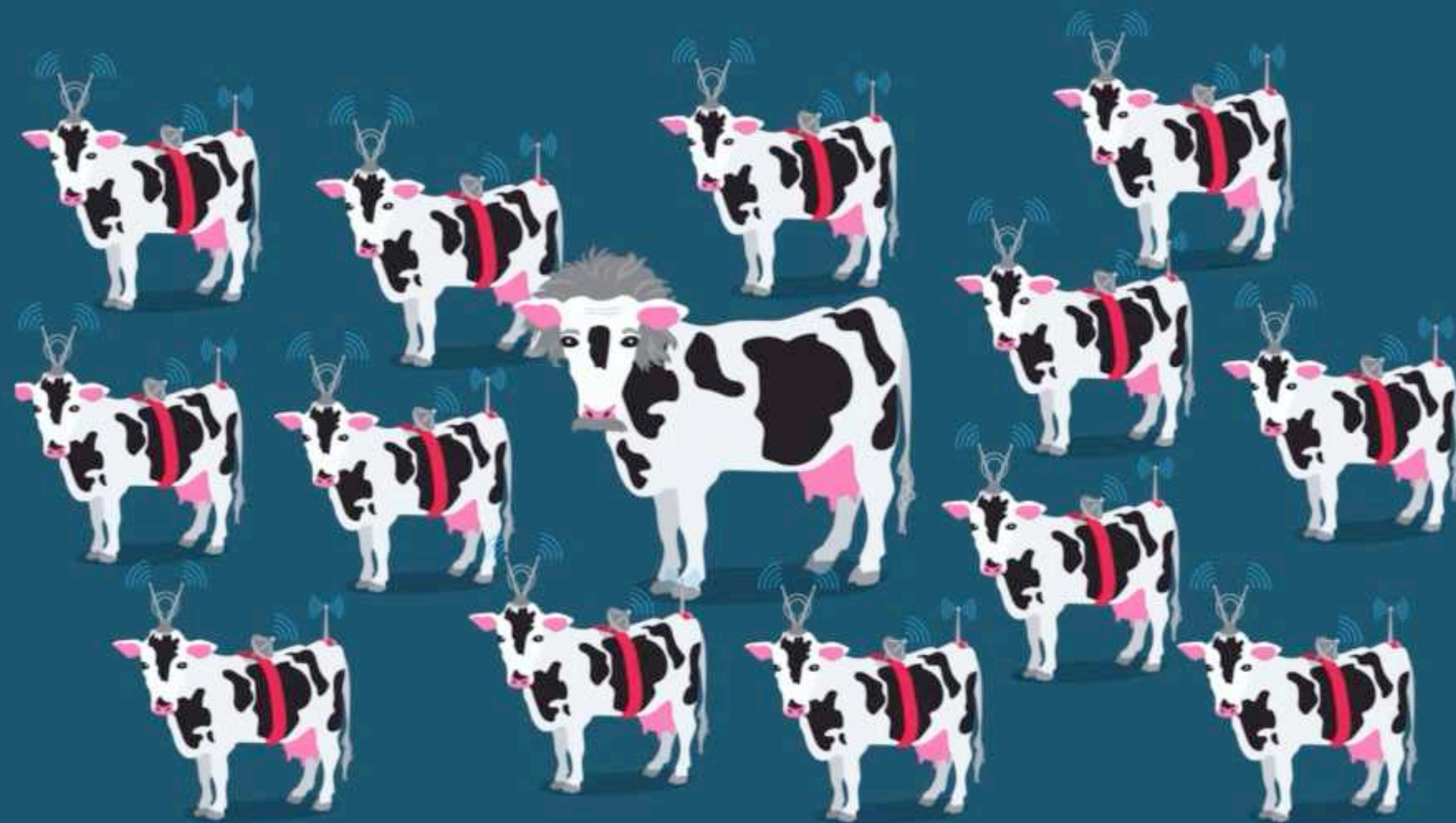


CO-CREATION



AWESOMENESS

DIGITAL REVOLUTION

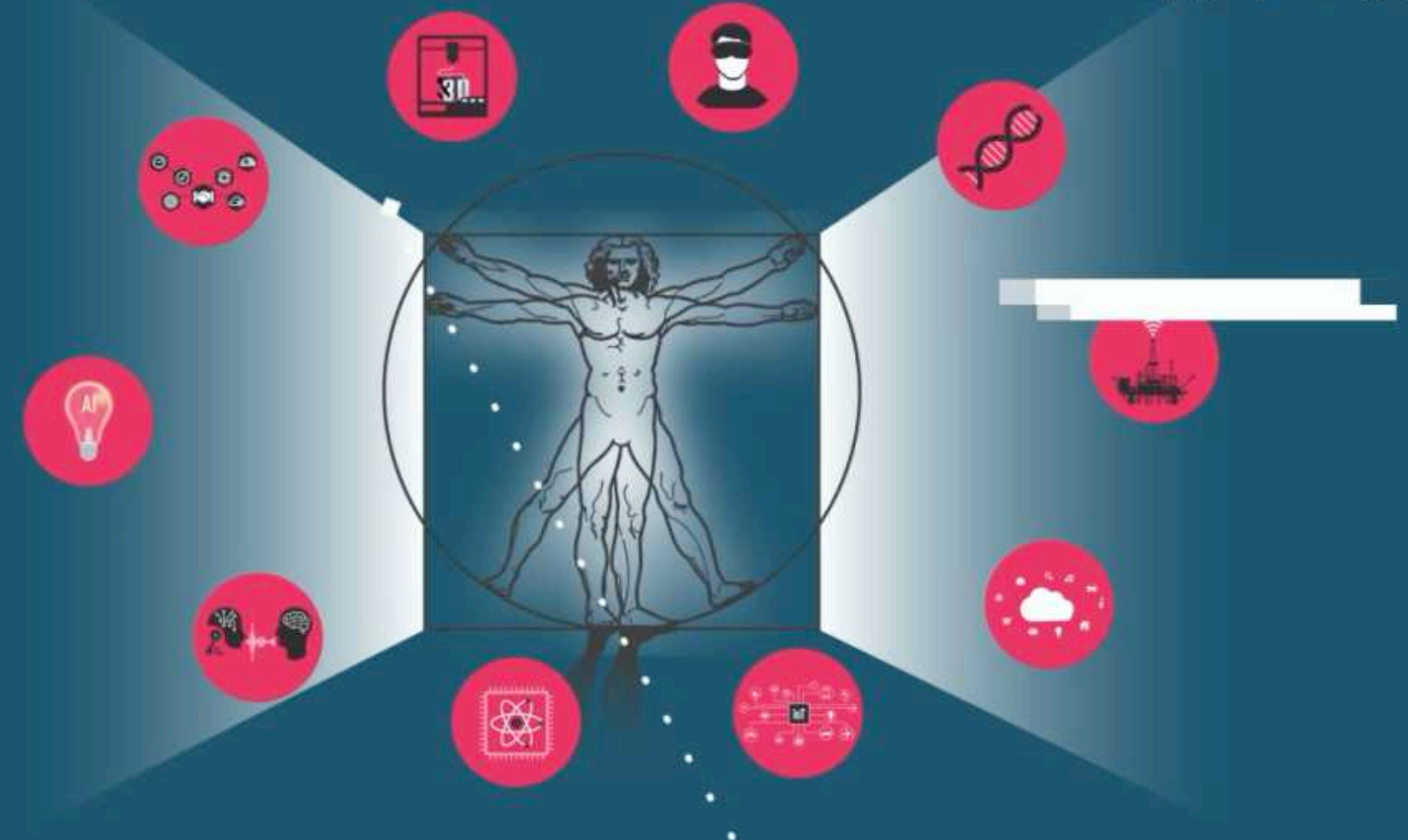


SUSTAINABILITY REVOLUTION

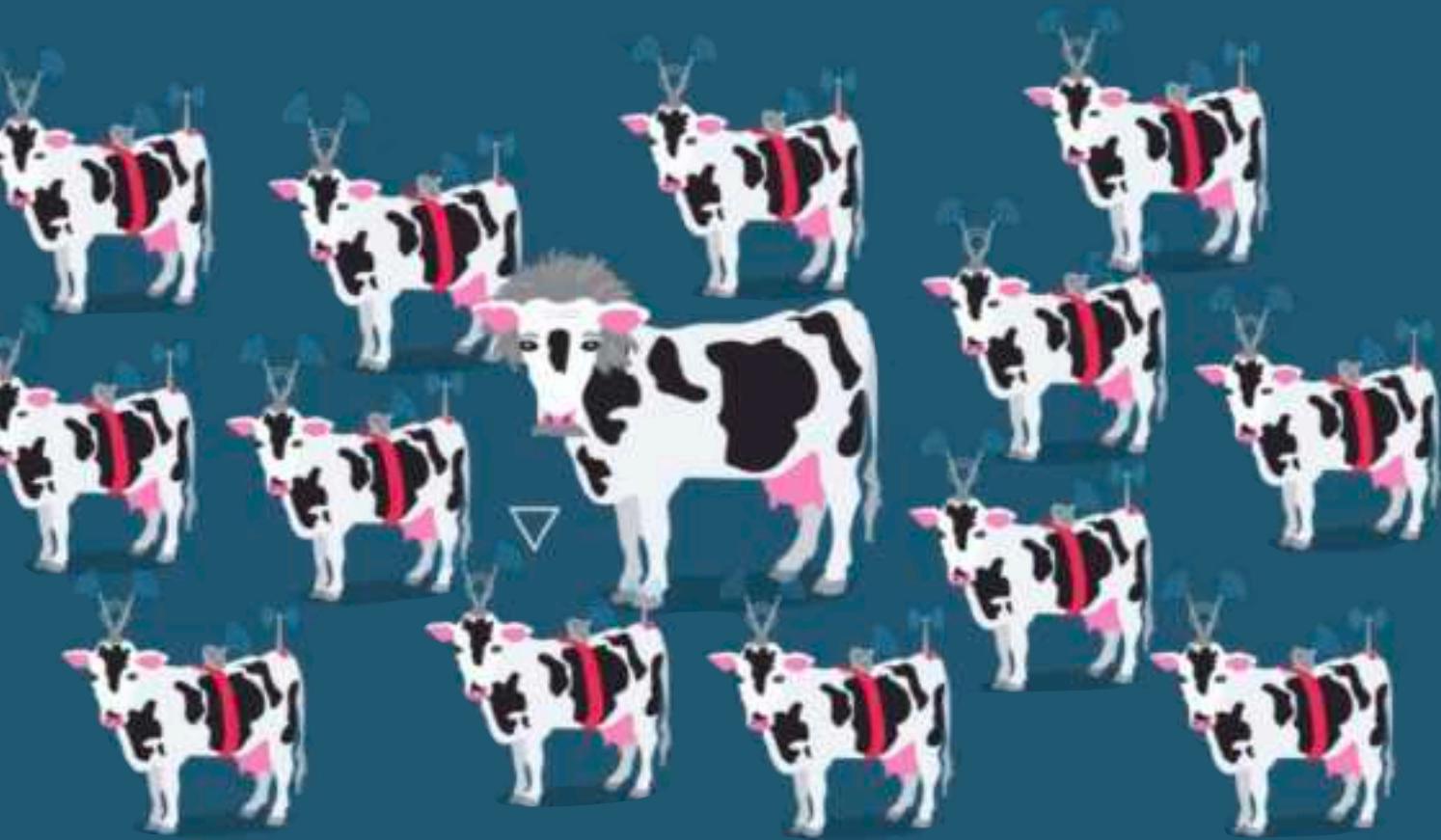




THE HUMAN RENAISSANCE



DIGITAL
REVOLUTION



EDUCATION REVOLUTION

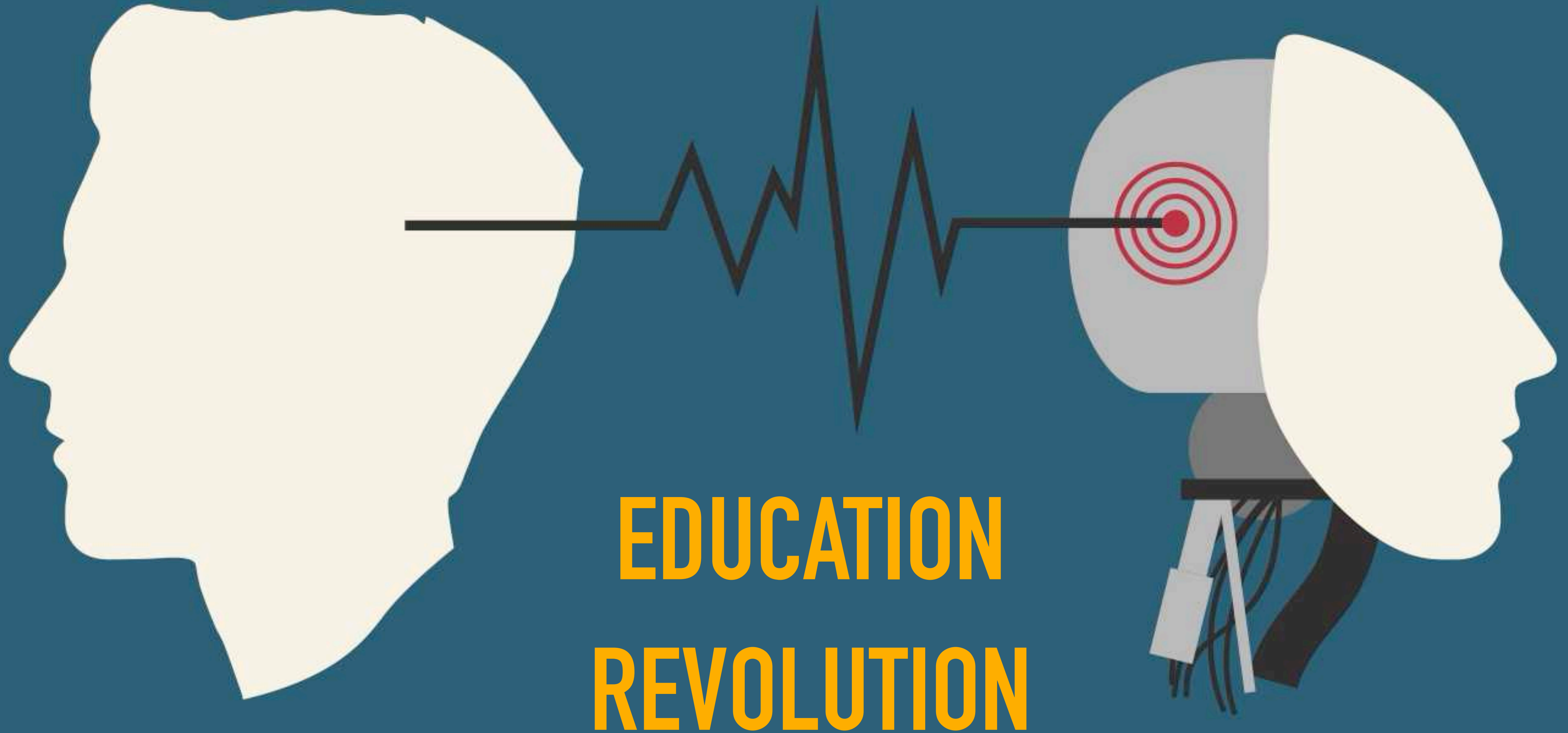


THE HUMAN
RENAISSANCE

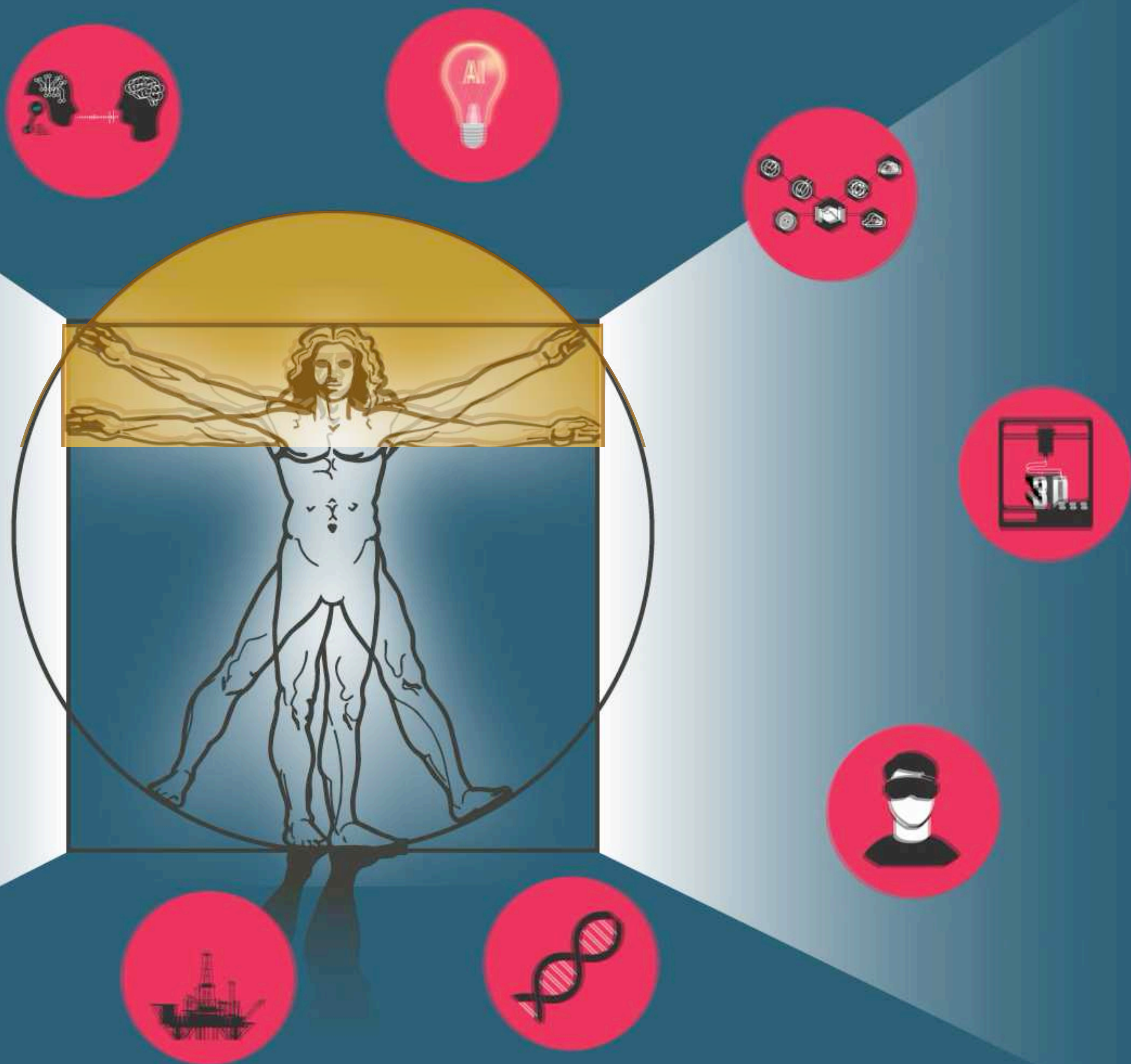
SUSTAINABILITY
REVOLUTION



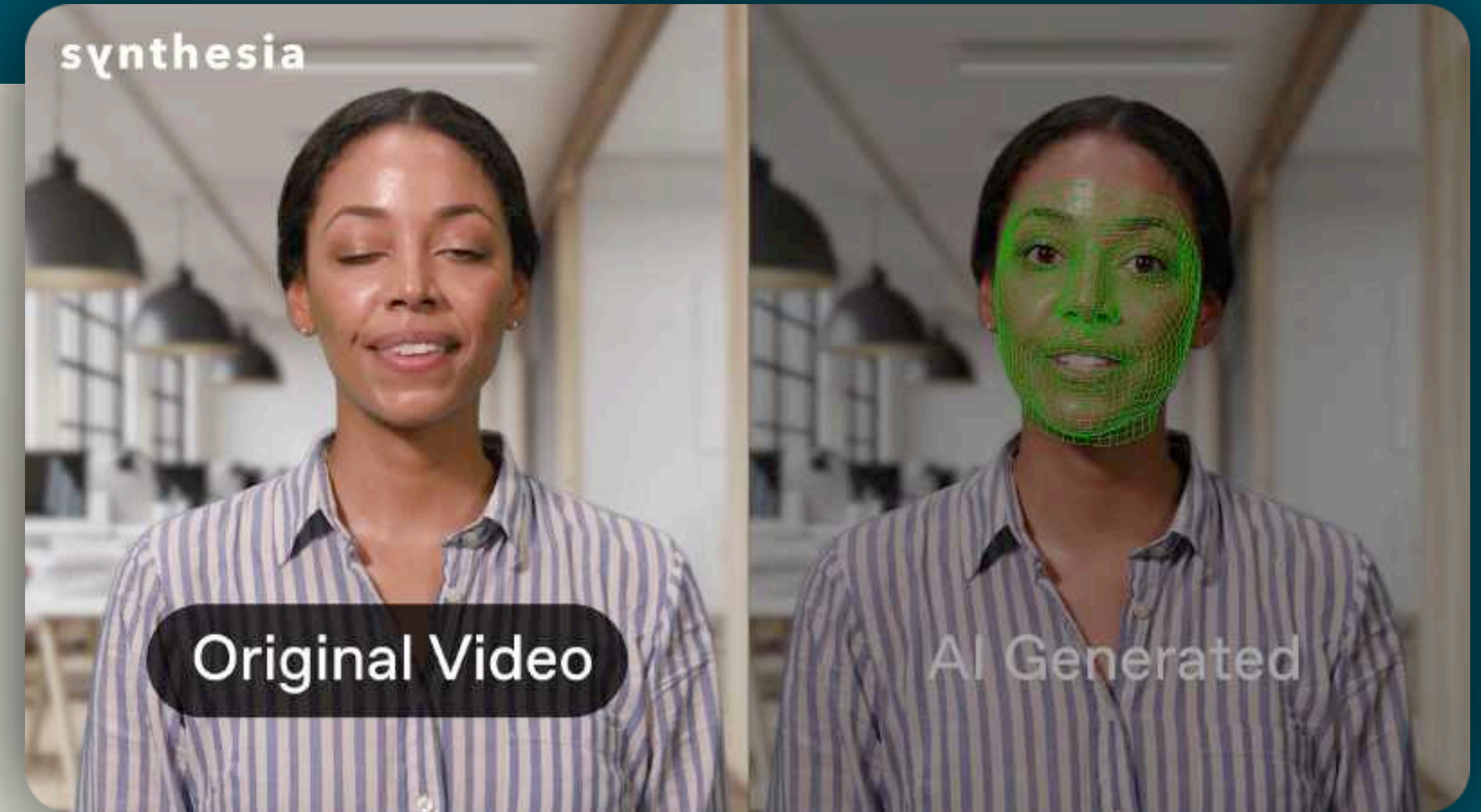
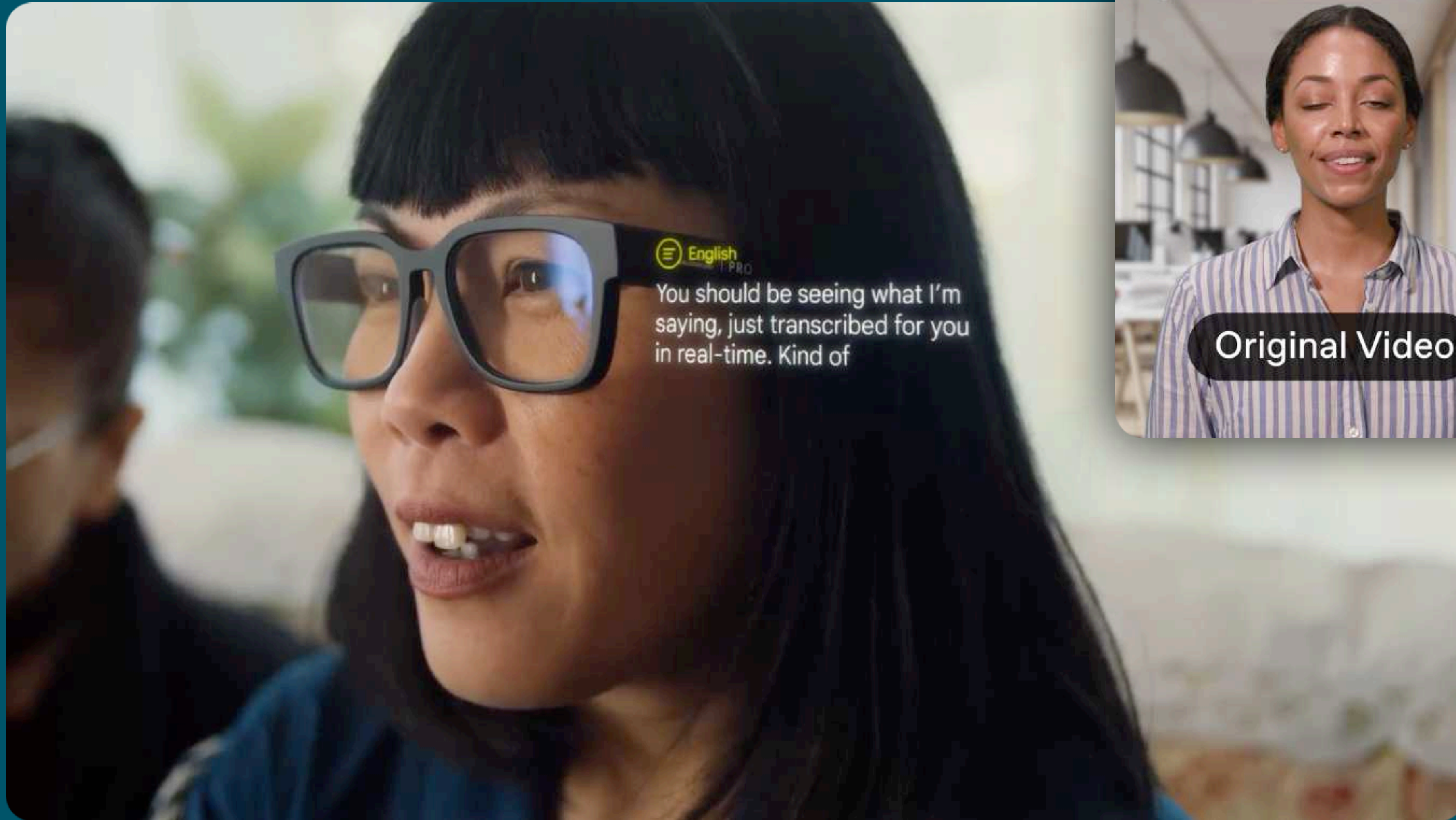
Humans ☯ Machines (HI and AI)



**EDUCATION
REVOLUTION**



Technology is no longer 'stupid' (but neither is it 'LIKE HUMANS')

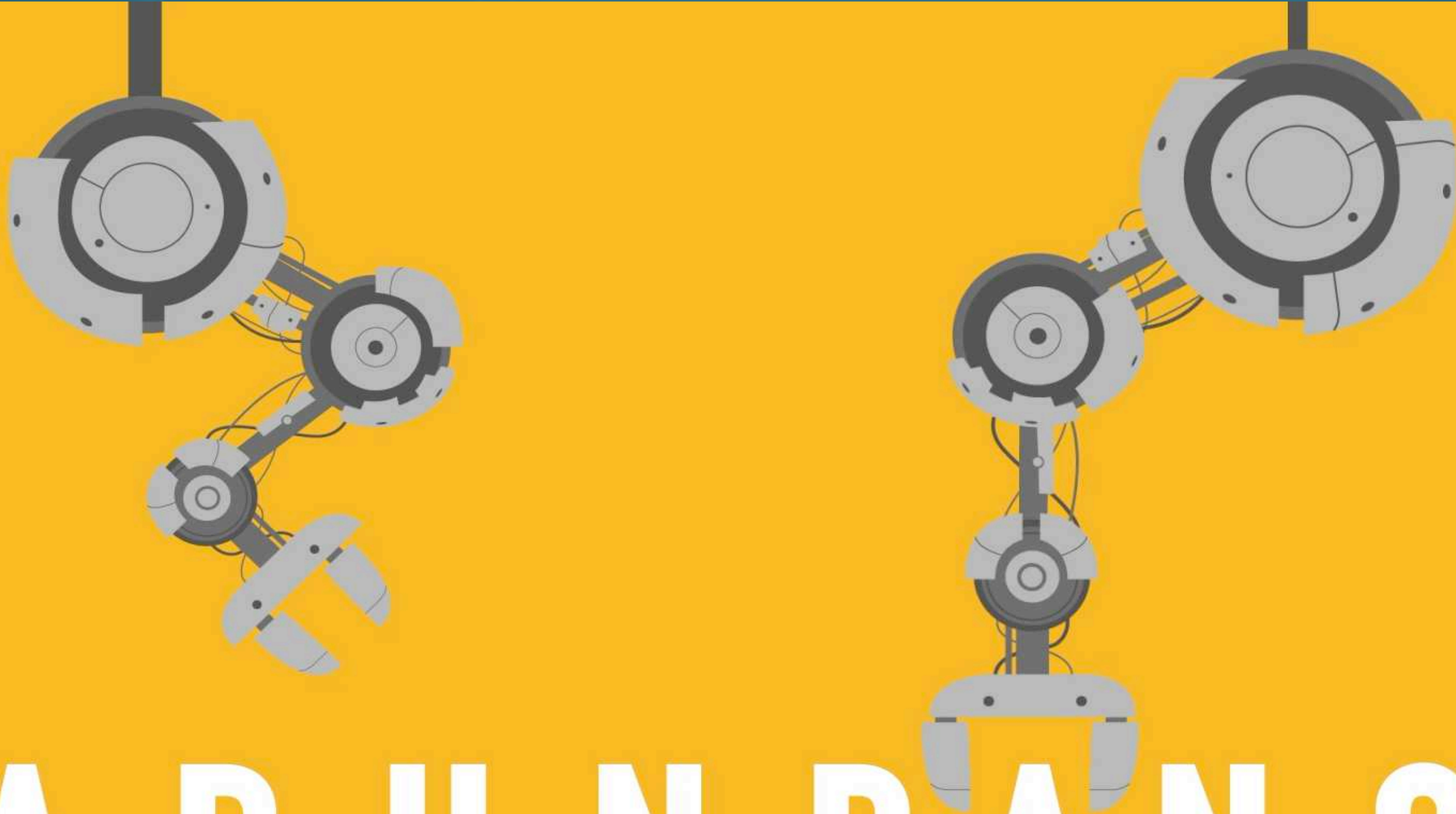


Anything that **can be** digitized, automated or virtualised, will be: The END OF ROUTINE*



ROUTINE

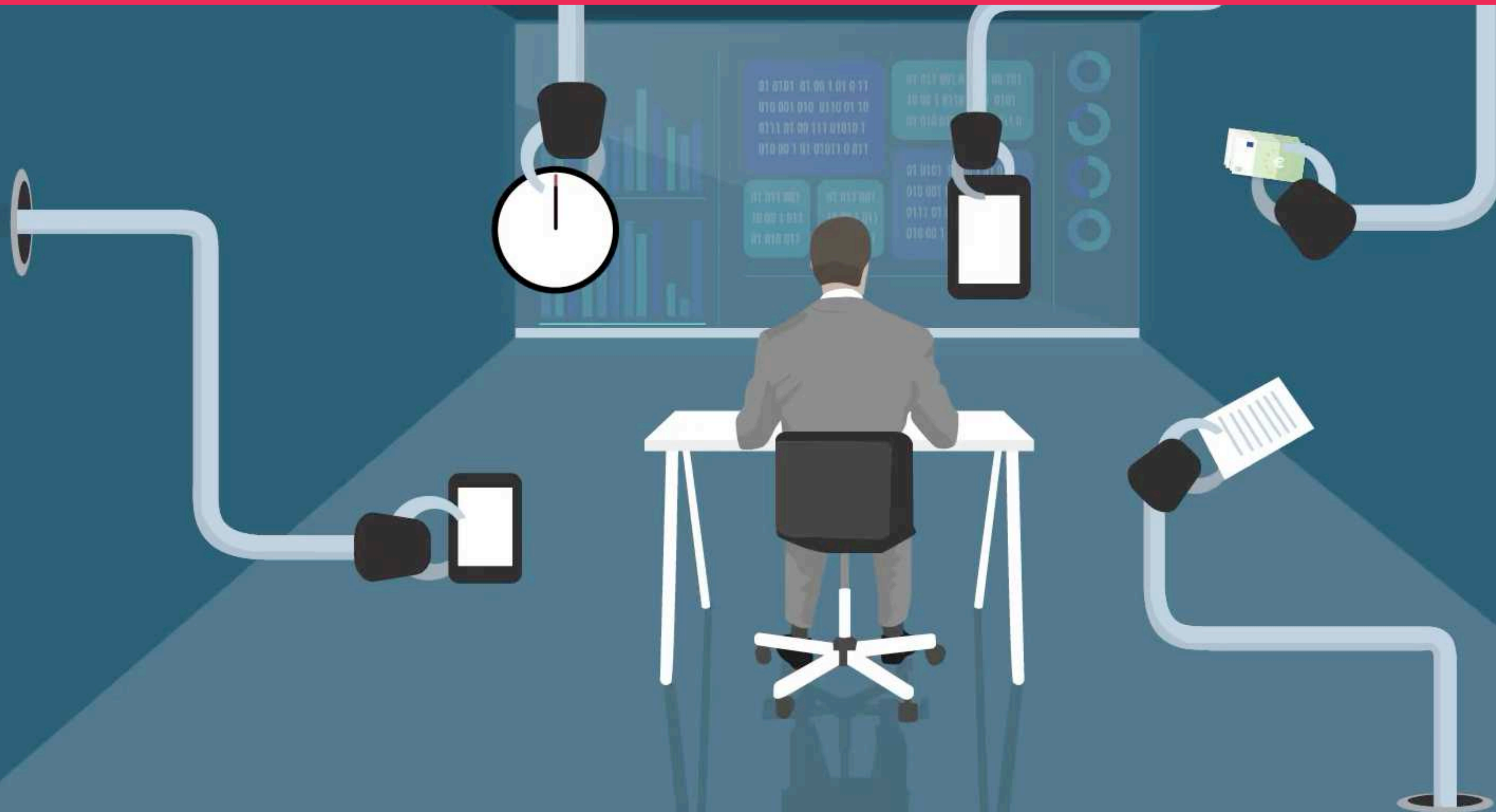
DATA, INFORMATION, LOGIC and EXPLICIT KNOWLEDGE will become abundant



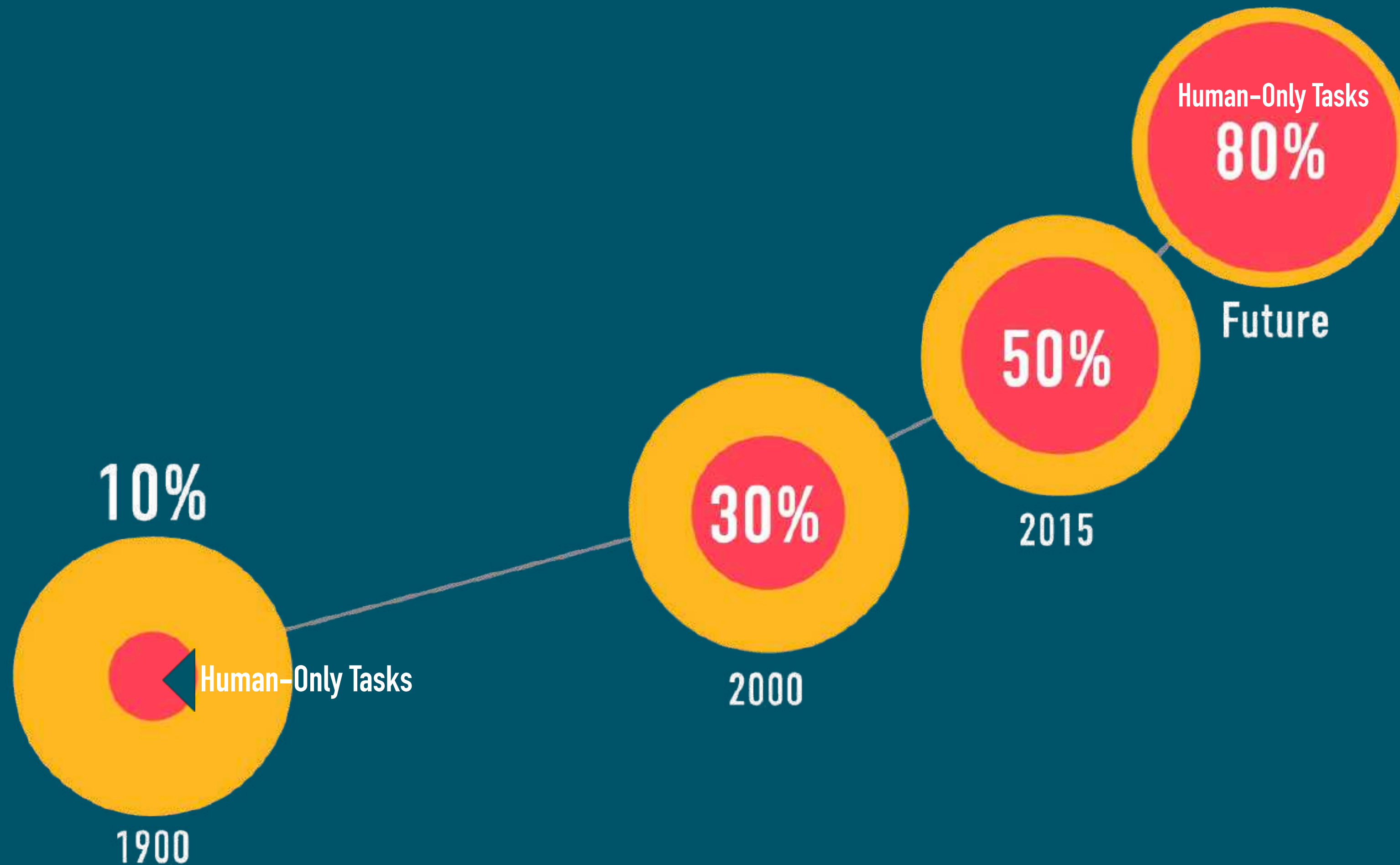
ABUNDANCE

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

And if you **LEARN** like a robot, you will end up working for THEM



As machines become more 'intelligent' and take over most routines, HUMAN-ONLY attributes will become invaluable *



- ▶ Societal Risk Manager
- ▶ Ethics Officer
- ▶ Data Quality Supervisor
- ▶ Nature Deficit Therapist
- ▶ Job & Training Inventor
- ▶ HI / AI Interface Manager
- ▶ Climate Change Actionist
- ▶ Rewilderer / Nature Agent
- ▶ Long-Term Thinker

An estimated 70% of all new jobs in 2030 haven't even been invented yet
(and neither have the degrees and certifications we may need for them)

PLAYLIST SCIENTIST



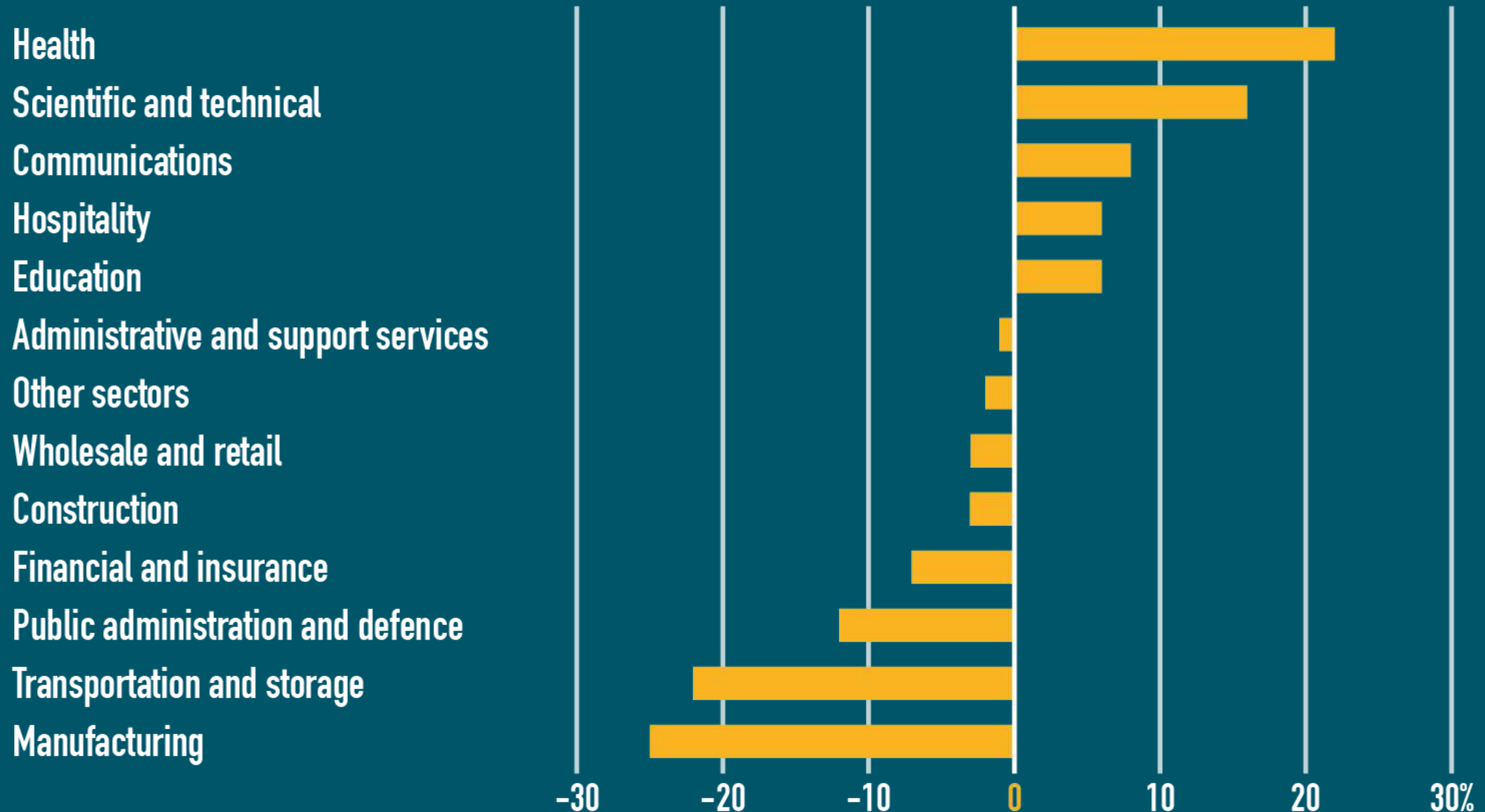
MEME
MAKER



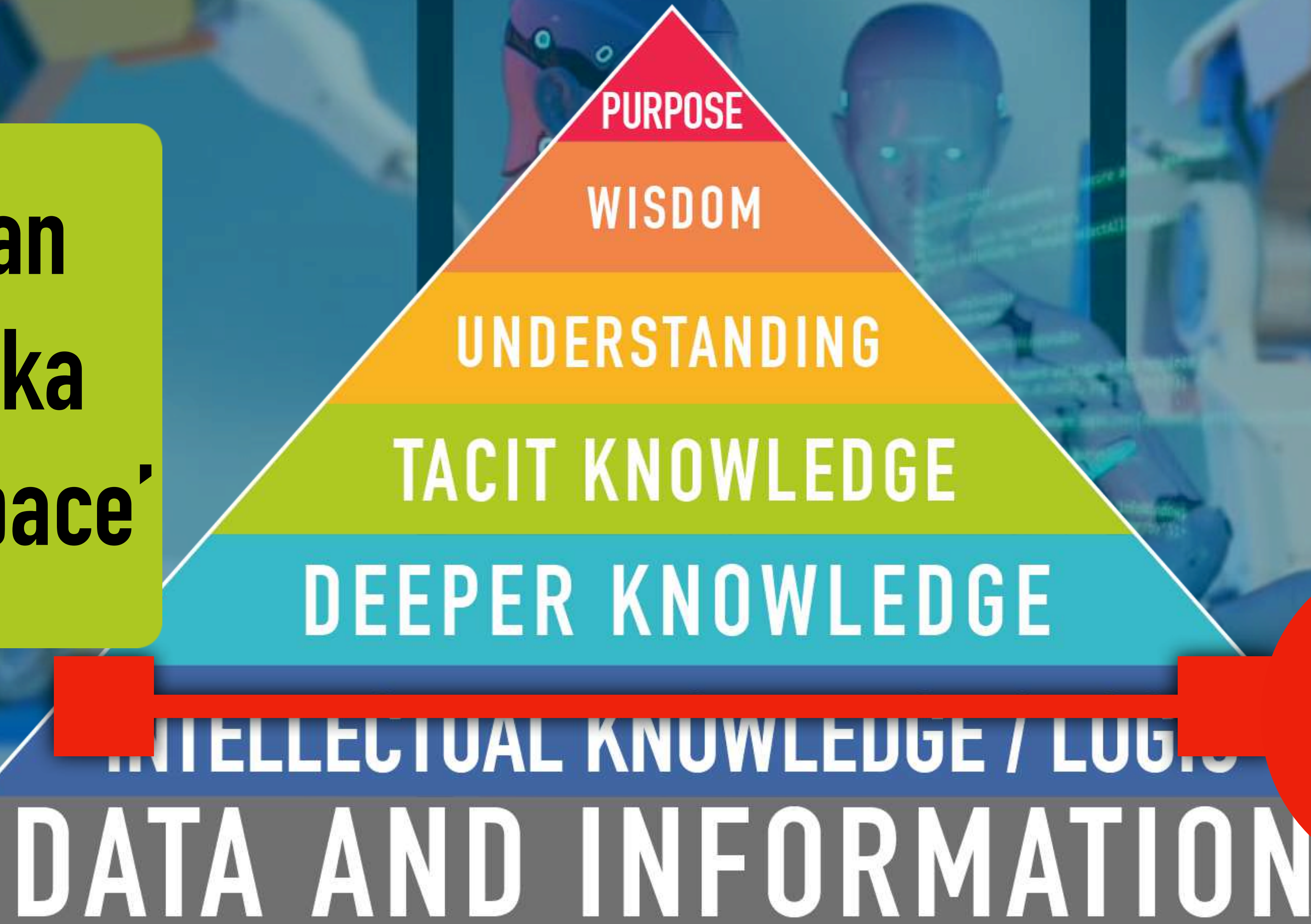
DIGITAL AMPLIFIER



Machines are for answers, humans are for questions!



**Human
Turf aka
'Meatspace'**

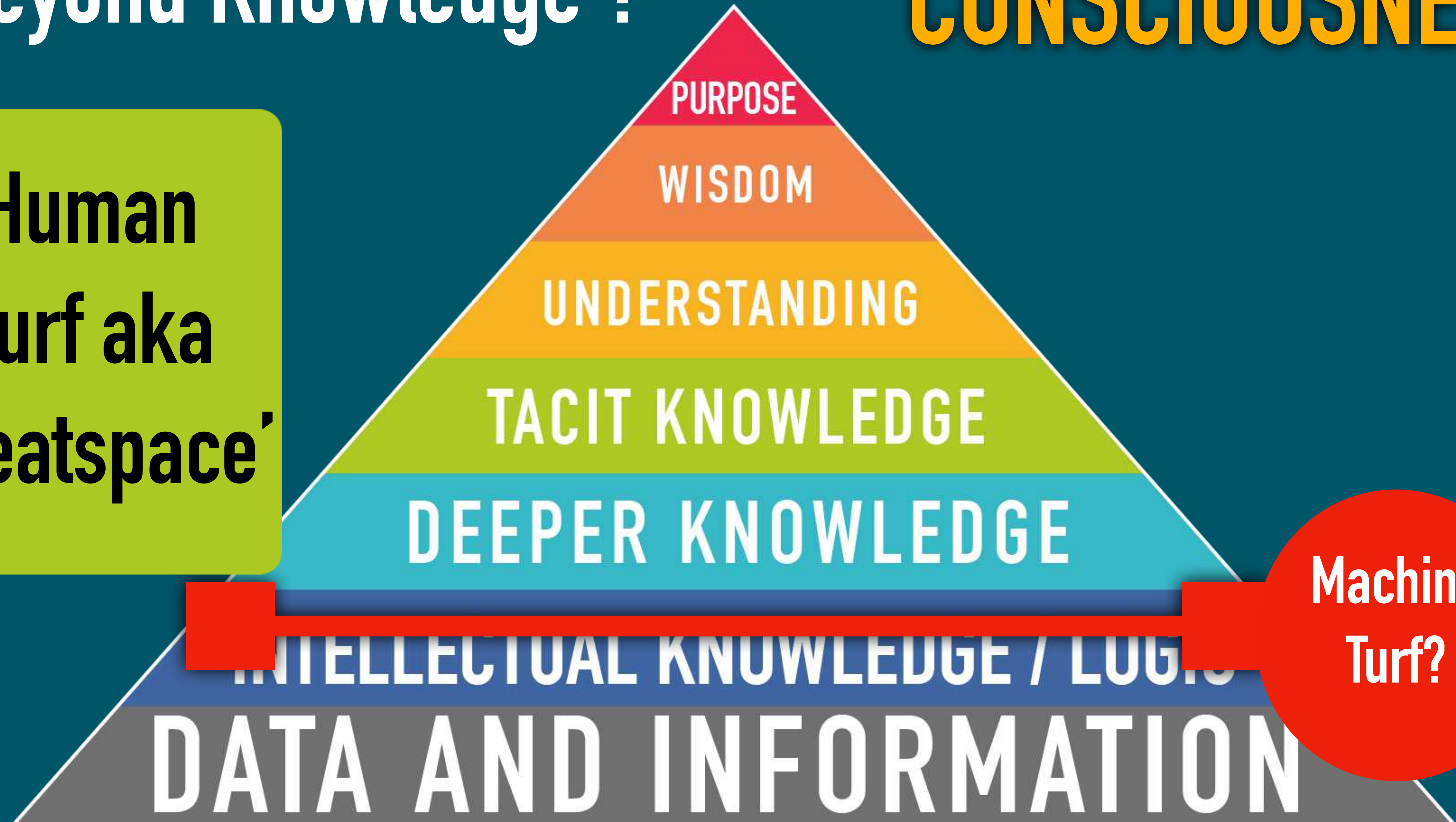


**Machine
Turf?**

'Beyond Knowledge'?

CONSCIOUSNESS

**Human
Turf aka
'Meatspace'**



**Machine
Turf?**

STEM

PROBLEM-BASED LEARNING



HRC

Science
Technology
Engineering
Mathematics



Humanity
Ethics
Creativity
Imagination

Unlock Skills **AND** Unlock MINDS + BODIES



EMOTIONS

INTUITION

CREATIVITY

COMPASSION

IMAGINATION

MYSTERY

ETHICS

VALUES

EMPATHY

CONSCIOUSNESS



From a focus on **EFFICIENCY** and **PERFORMANCE** towards...

Human Agency

Consciousness

Imagination

Intuition

Compassion

Empowerment

Resilience & Agility

Unorthodoxy

Creativity

Entrepreneurship

Courage





Nature Deficit Disorder



NATIONAL BESTSELLER

Last Child in the Woods

The Book That Launched an International Movement

Saving Our Children from Nature-Deficit Disorder

"An absolute must-read for parents."
—THE BOSTON GLOBE

RICHARD LOUV
RECIPIENT OF THE AUDUBON MEDAL

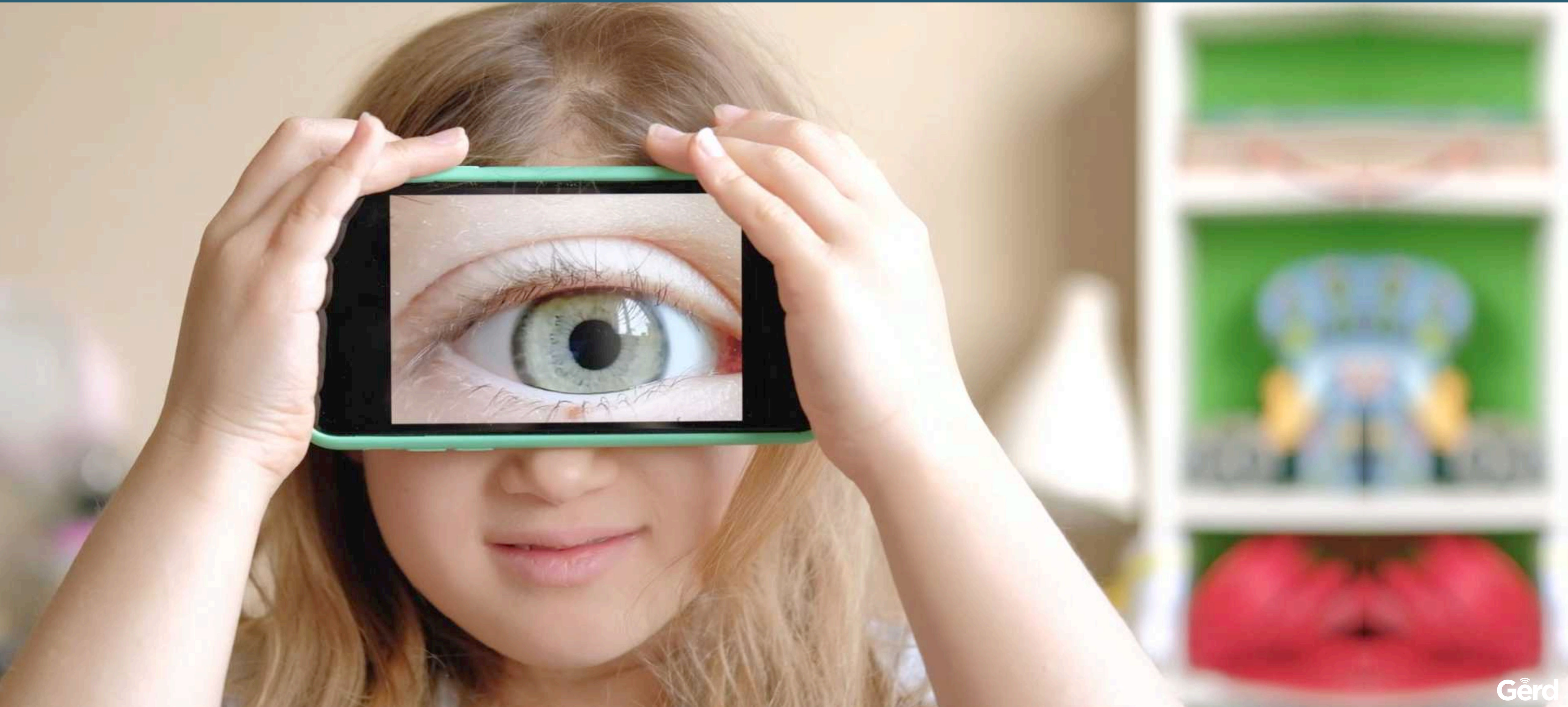


**“It’s about a time when immersive digital worlds
become the primary way we live our lives”**





It's about living our ACTUAL lives to the fullest extent possible and supporting this effort with amazing tools i.e. technologies (Gerd)



Education Technology by 2030

Flexible Delivery (IRL/Virtual hybrid), globally and instantly
Language translation tools / NLP finally becoming useful
Boom of technology-assisted educational programs (AI, VR)
Personalised offerings and fully customised programs
THE NEXT GOOGLE IS IN EDUCATION

One hug is worth a thousand zoom calls



What kind of future do you want for your children?



Pessimism of the intellect, optimism of the will* (Antonio Gramsci)



VELOCITY



UNORTHODOXY



CO-CREATION



AWESOMENESS

**THE FUTURE IS BETTER
THAN WE THINK**

From Instruction to DISCOVERY and CREATION



Marshall McLuhan

“Education must shift from instruction, from the imposing of stencils on brain pens, as it were, to discovery — to probing and exploring and to the recognition of the language of forms.”

💬 192 ↺ 456 ❤️ 709



VELOCITY



UNORTHODOXY



CO-CREATION



AWESOMENESS

IMAGINATION



“Imagining the future may be more important than analyzing the past. Companies today are no longer resource-bound, **they are IMAGINATION-BOUND**”

C.K. Prahalad



Prioritise imagination, intuition and human agency, go beyond efficiency and functioning



End the artificial separation of school and life, learning and working, young and old



Cultivate character, personality and mindset, not just logic, mental capabilities and IQ



Bring degrees and experiences onto the same level, expand vocational trainings



Teach less in 'subjects' and more as 'LIFE' – work with problems and projects



Pursue FLOW, not download. Not 'just in case' but 'just in time'. Engage don't memorize



The key to the Future: **AWESOME HUMANS ON-TOP OF AMAZING SCIENCE AND TECHNOLOGY**

“We are to be architects of the future, not its victims” (Buckminster Fuller)



AWESOME HUMANS ON-TOP OF AMAZING SCIENCE AND TECHNOLOGY