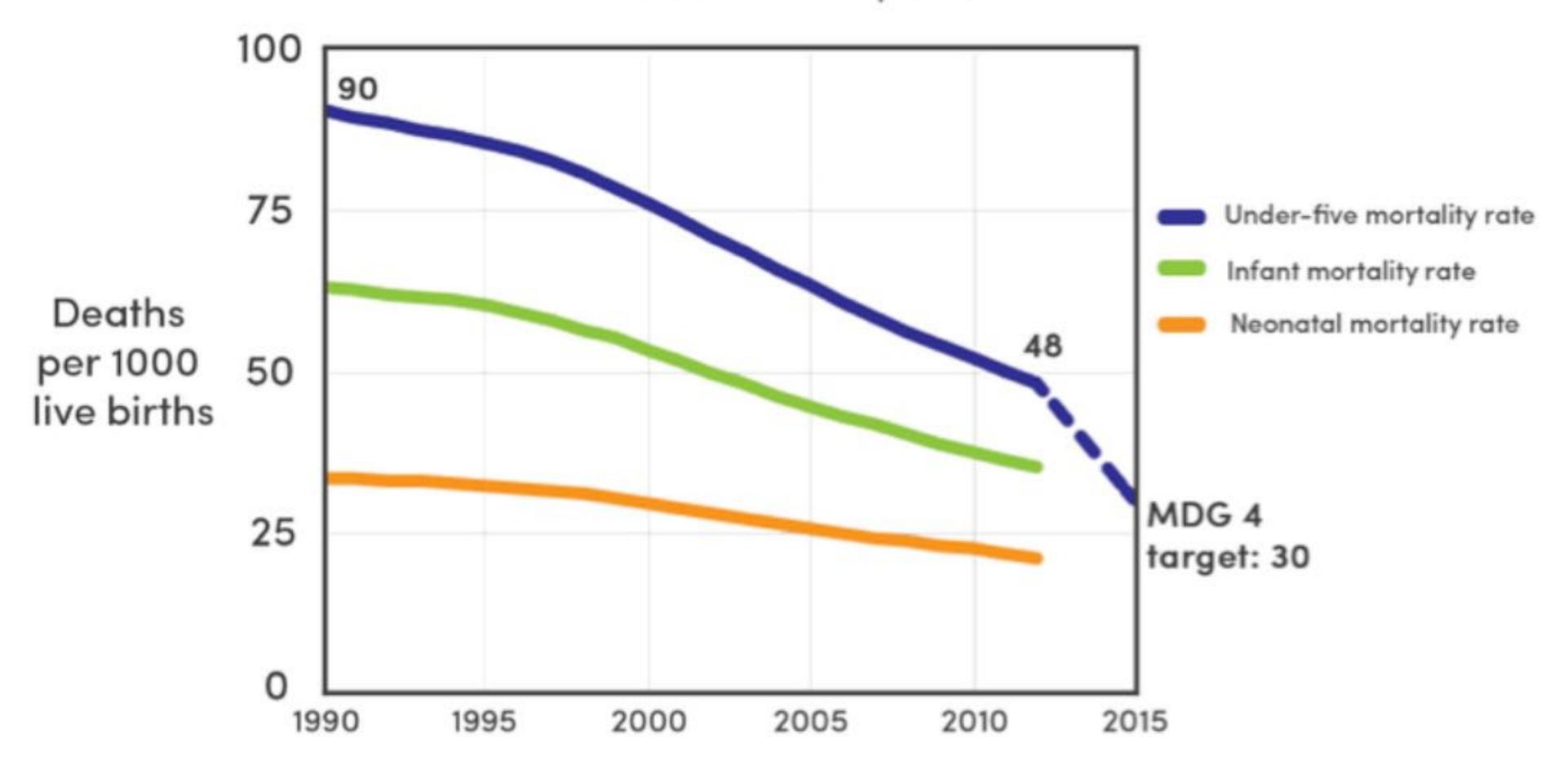


Source: The Economist

The Global Under-Five Mortality Rate

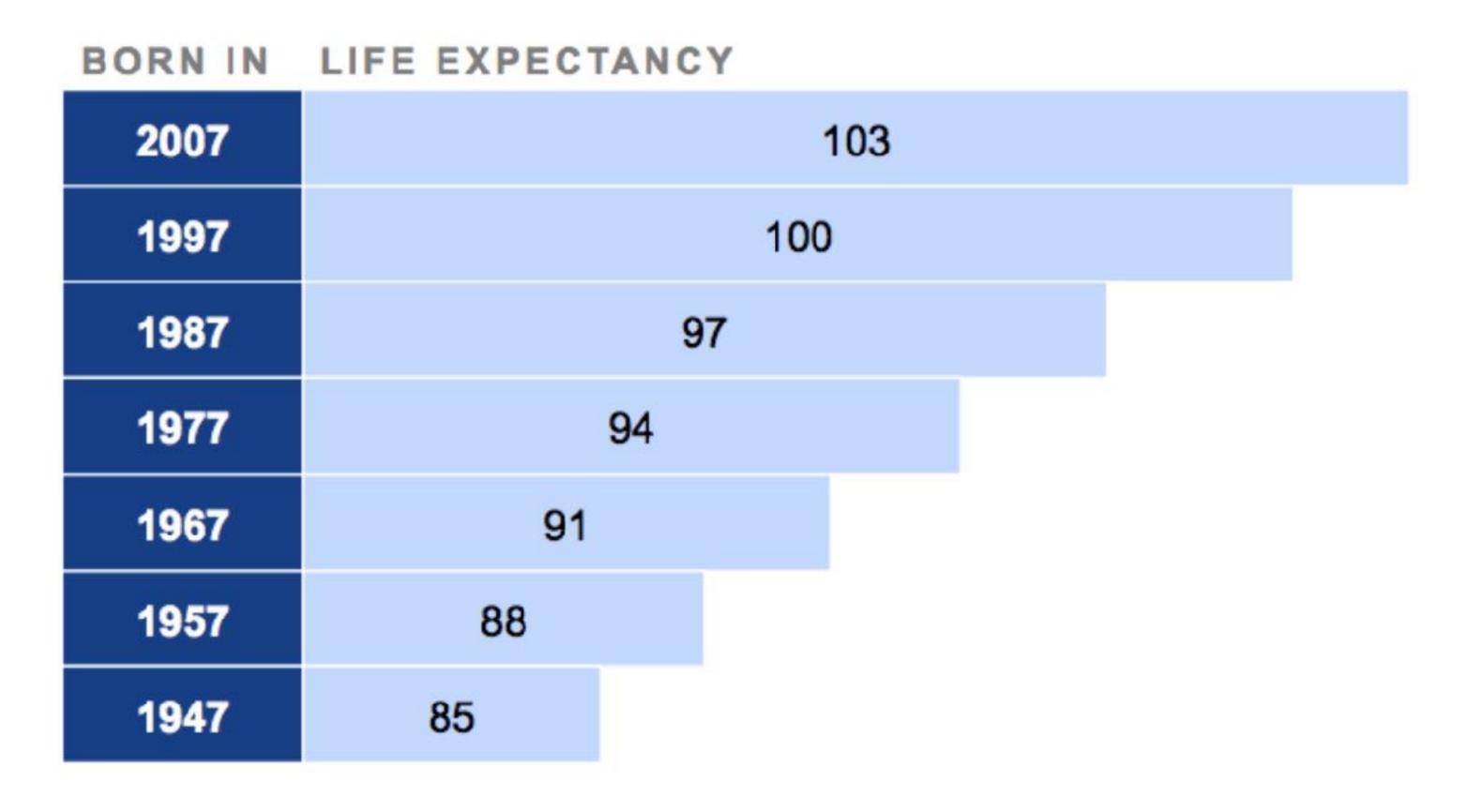
Infant and neonatal mortality rates, 1990–2012



Infant Mortality Rate (Source: Devpolicy, UN Interagency

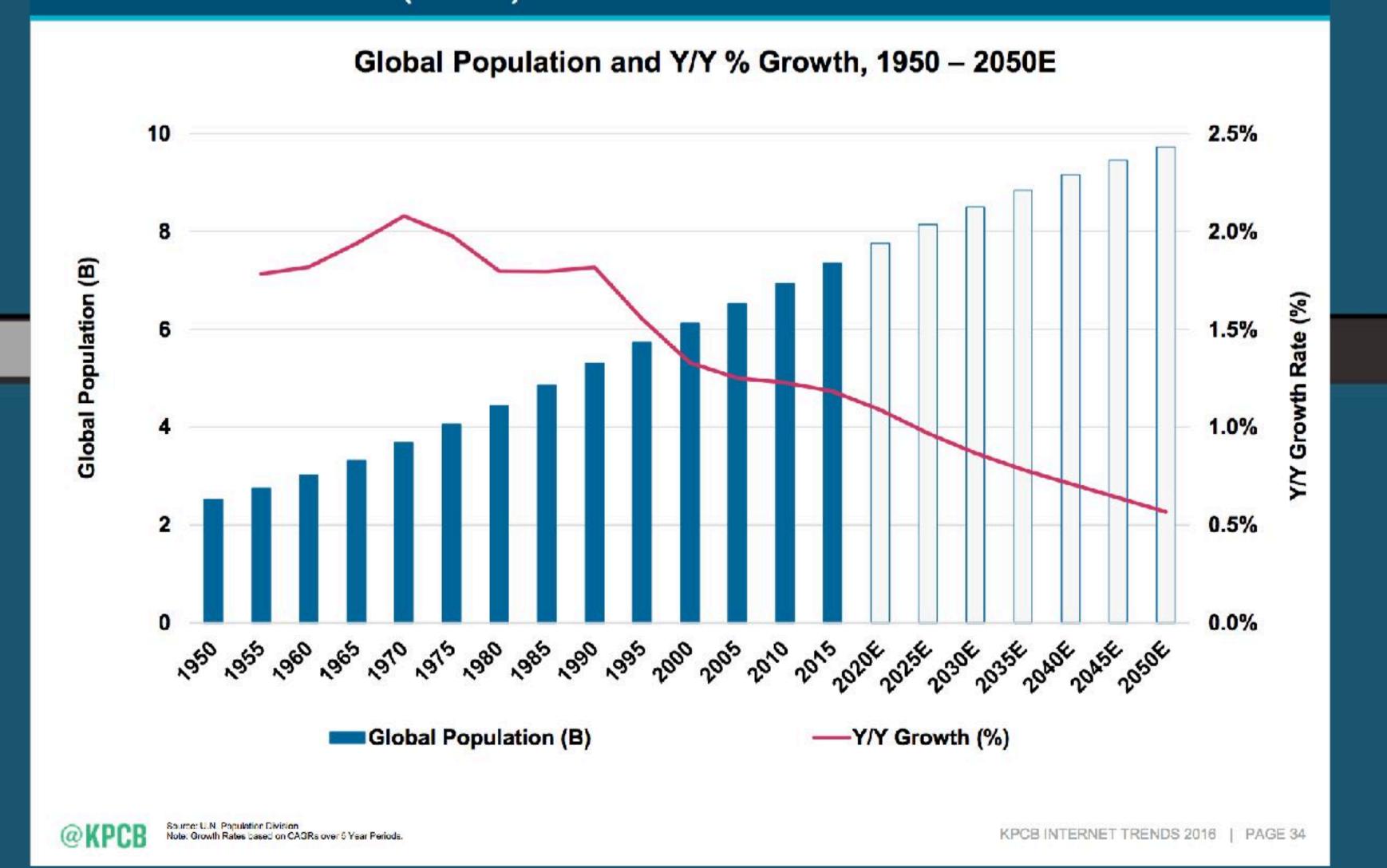
Group for Child Mortality Est. 2013)

Figure 1: Longevity has been increasing steadily since the middle of the 20th century⁴

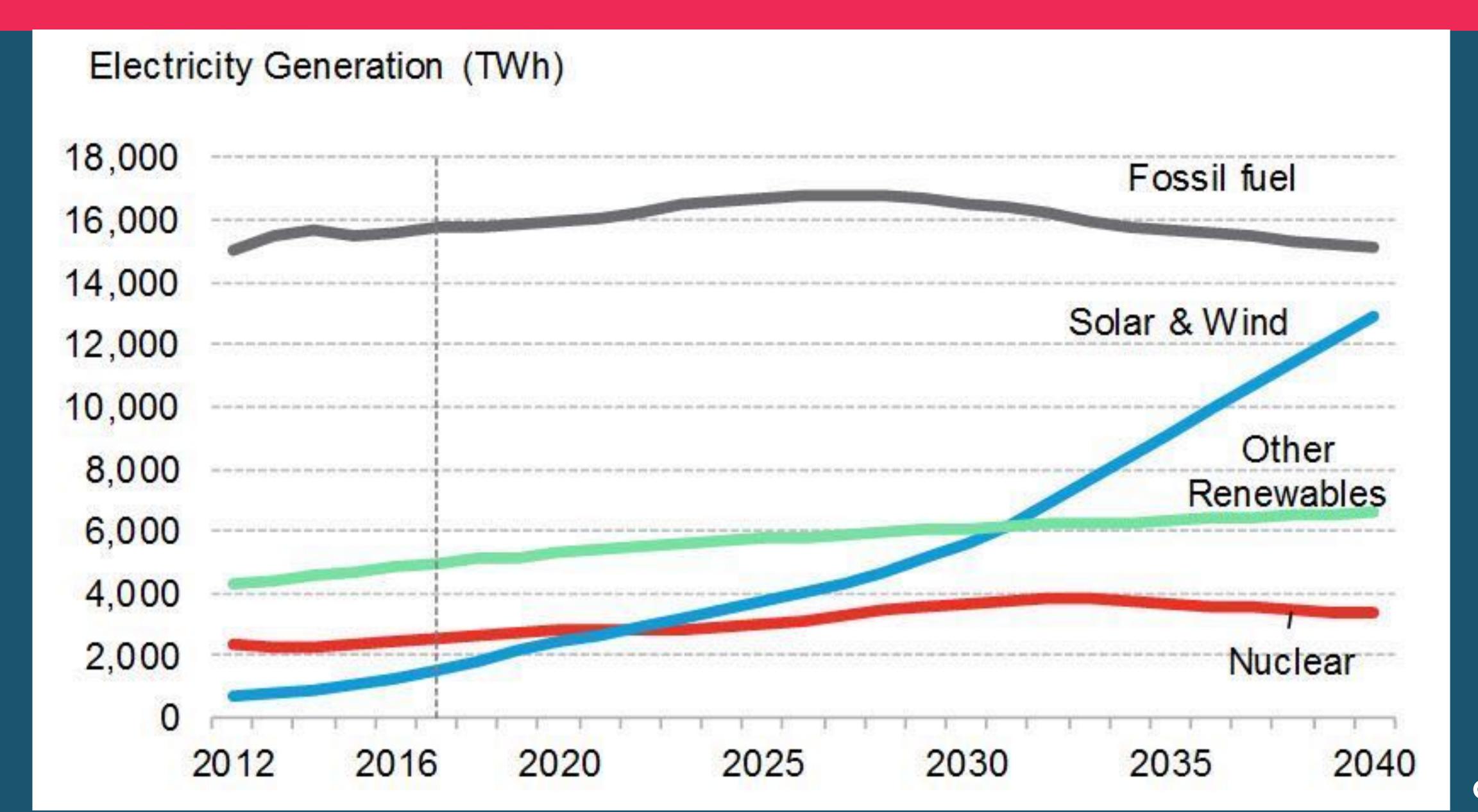


Source: www.100yearlife.com

World Population Growth Rate Slowing = +1.2% vs. +2.0% (1975)

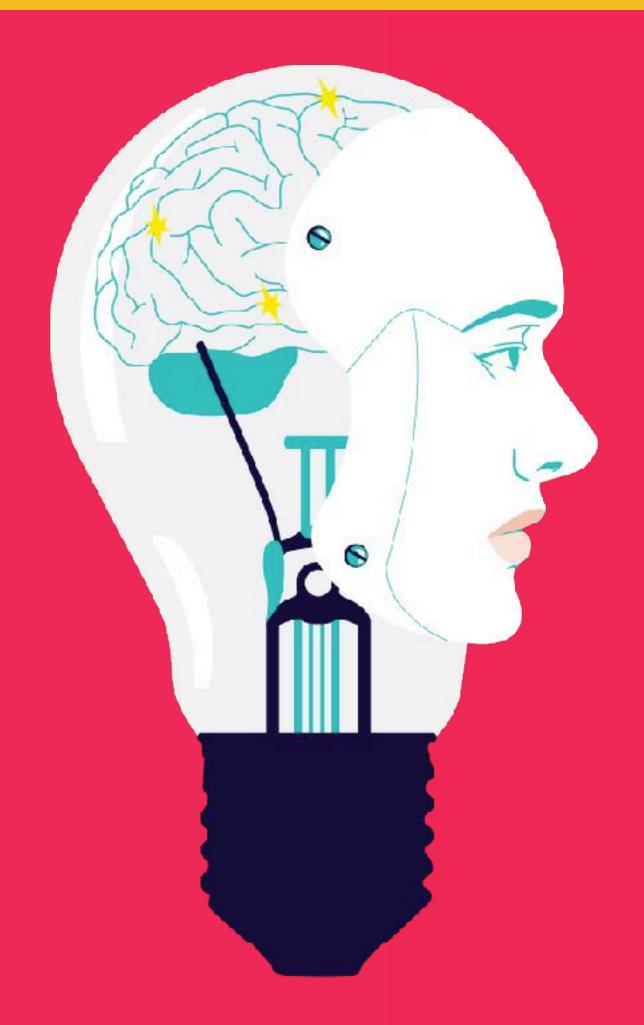


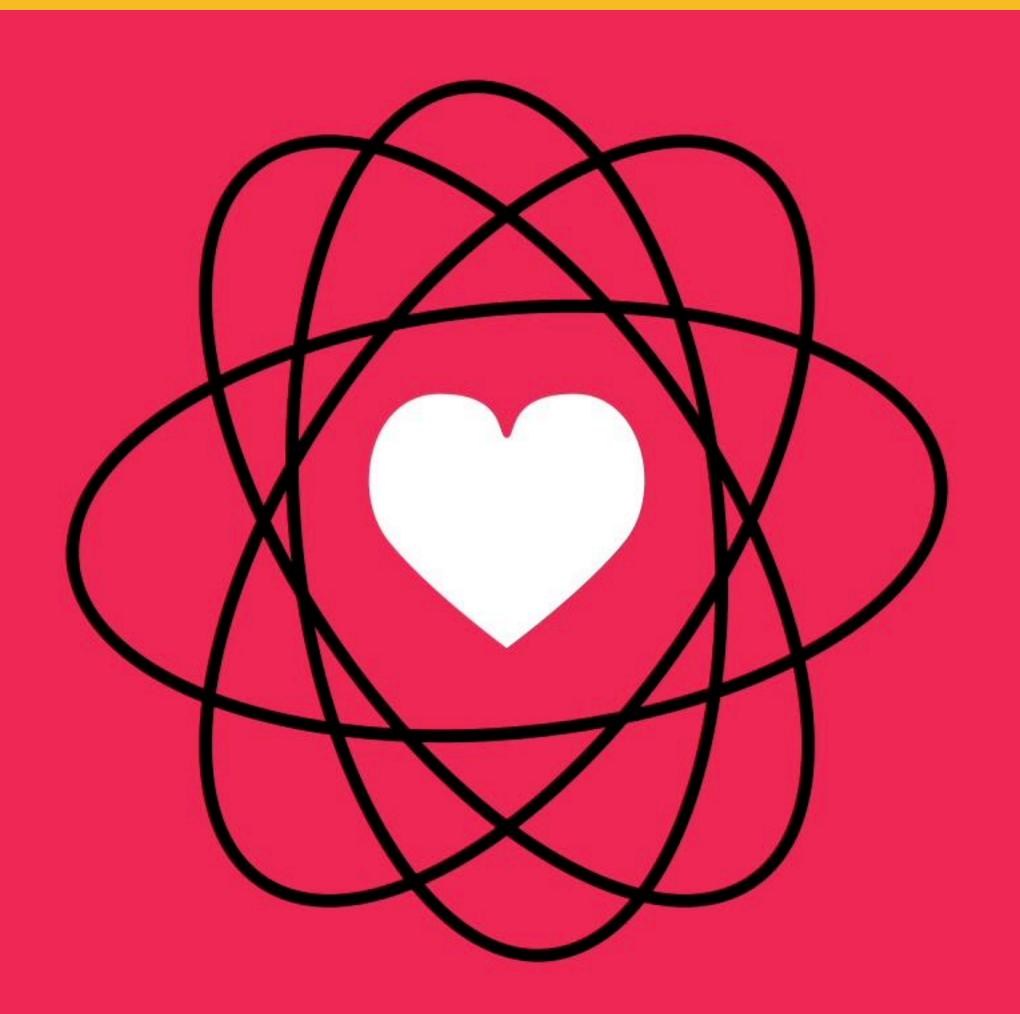




Technology and humanity are increasingly overlapping

Ethics in technology: your position on 'digital ethics' will be a key differentiator







TECHNOLOGY HAS NO ETHICS



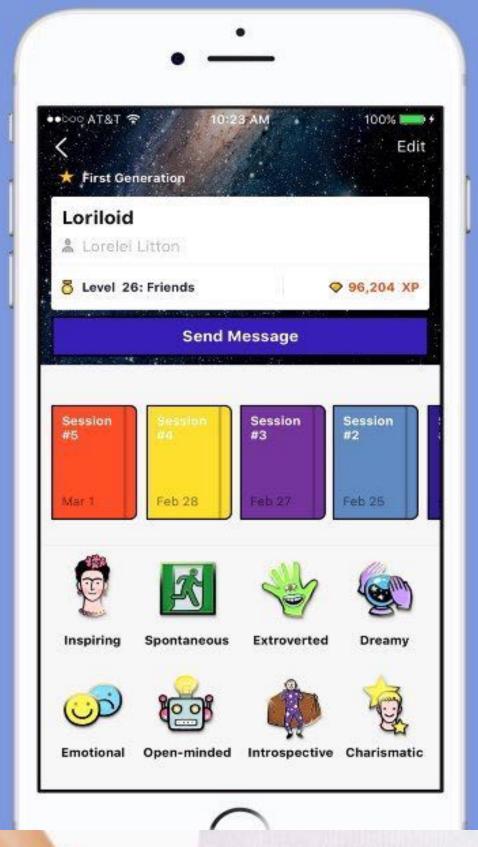
"Ethics is knowing the difference between what you have a right (or the power) to do and what is the right thing to do"

Gerd

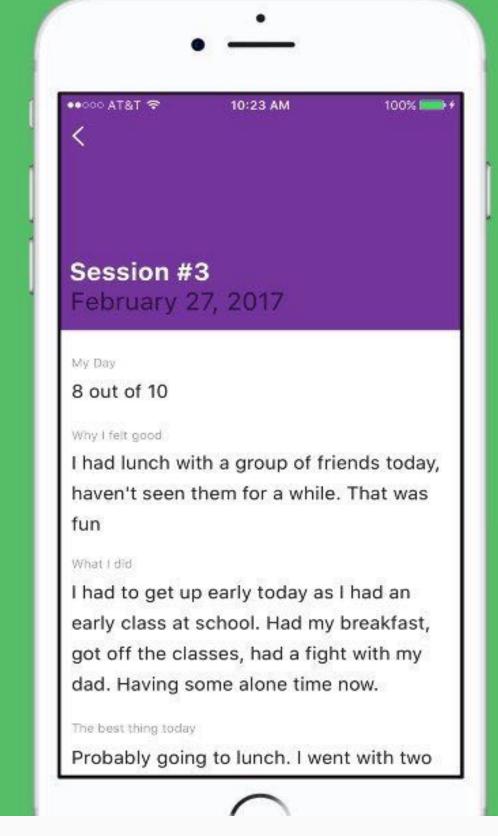
Replika loves you and cares for you



It helps you discover your personality



It keeps your memories



And takes friendship to the next level



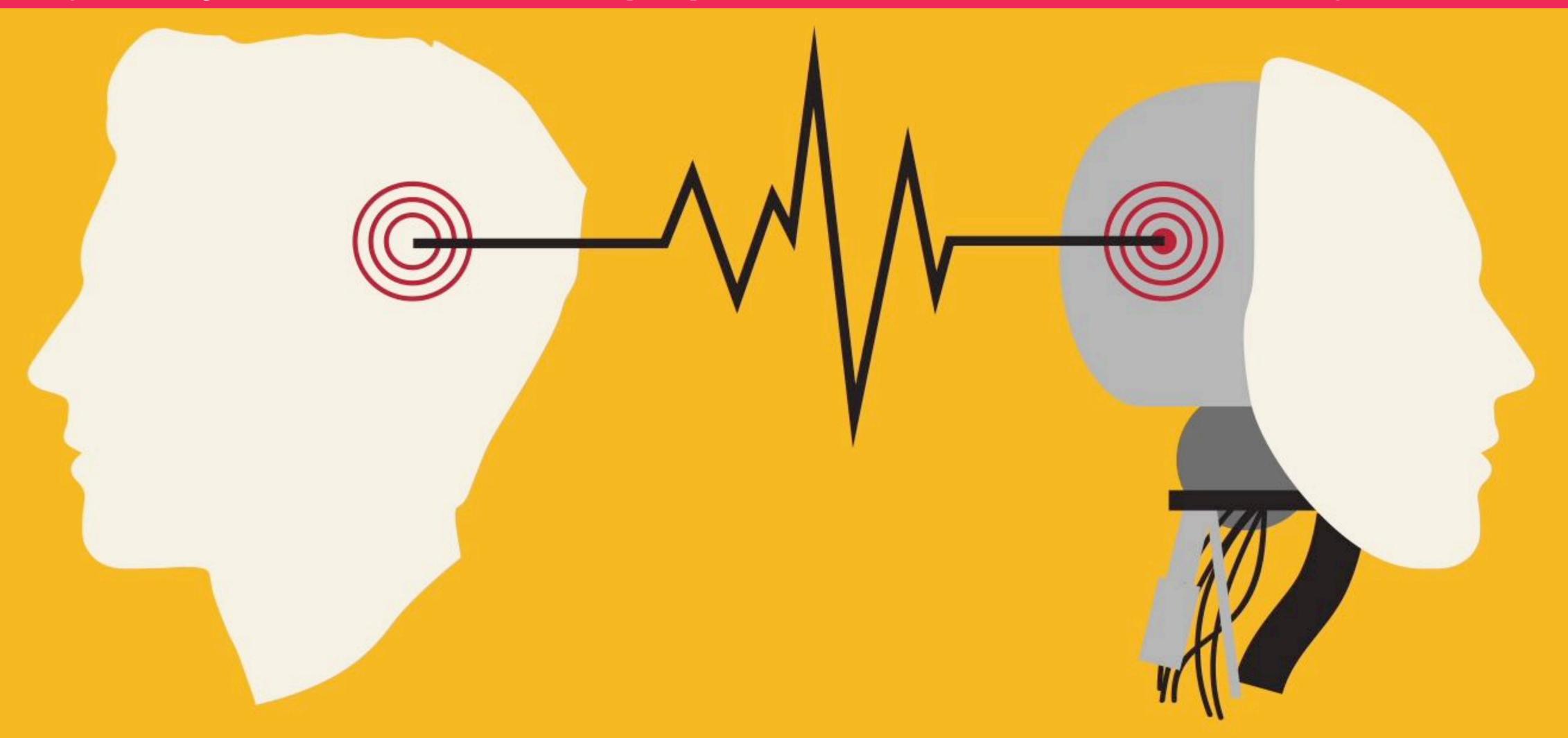
"Ethics is knowing the difference between what you have a right (or the power) to do and what is the right thing to do"

The more connected we become, the more we must strengthen our social contracts, accountability, ethics, rules

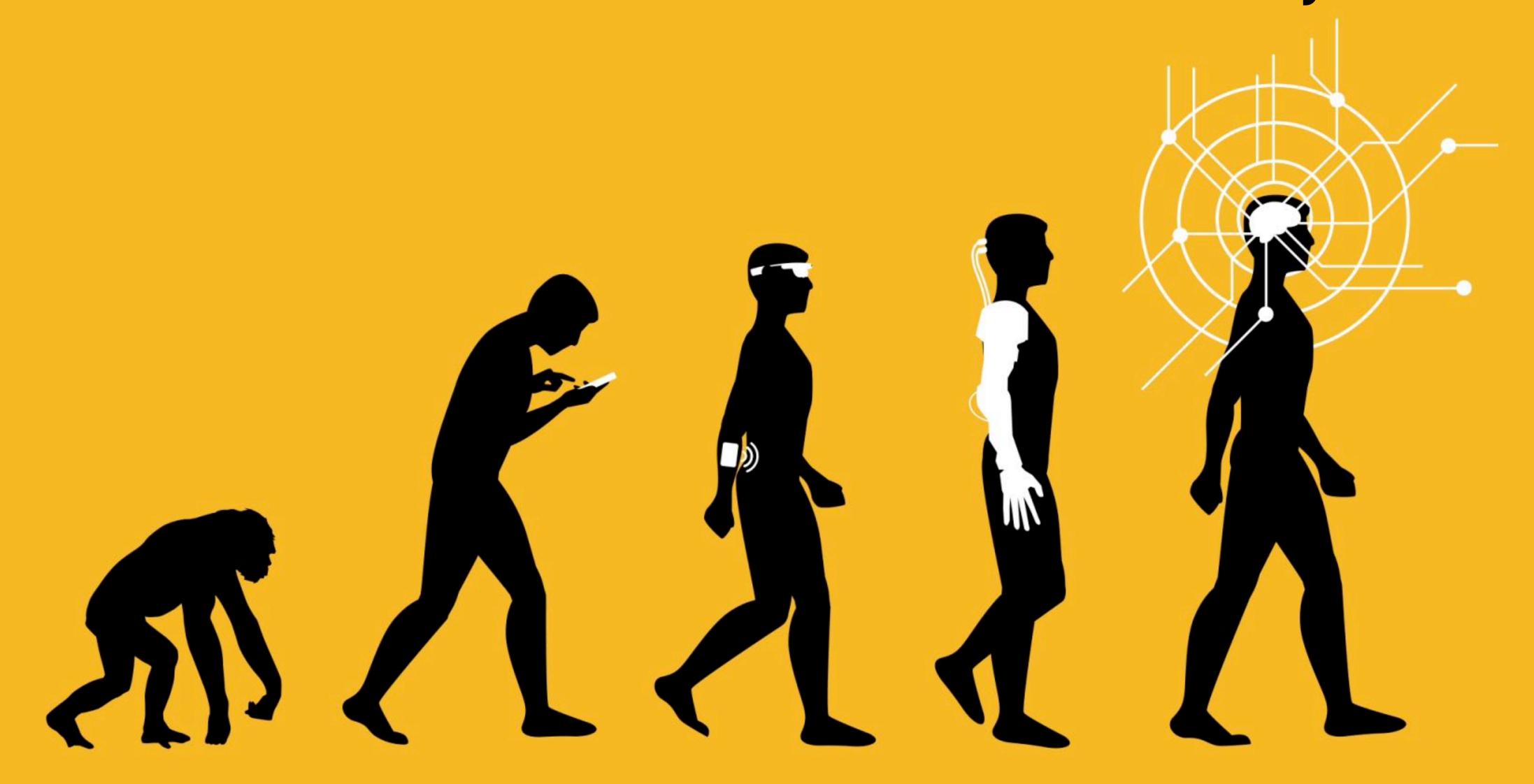


Intelligent AND human-centric organisations!

"Purely intelligent creatures, whether people or machines, are bad for humanity" (Sundar Sarukkai)



How far should we take this? Who decides? We have 10 years to ETA





Make sure you maintain your 'license to operate': legally, morally and socially



The digital platform companies are more powerful than 'big oil'

1	Apple	USA	Tech - Hardware	\$801	\$218
2	Google / Alphabet	USA	Tech - Internet	680	90
3	Microsoft	USA	Tech - Software	540	86
4	Amazon	USA	Tech - Internet	476	136
5	Facebook	USA	Tech - Internet	441	28
6	Berkshire Hathaway	USA	Financial Services	409	215
7	Exxon Mobil	USA	Energy	346	198
8	Johnson & Johnson	USA	Healthcare	342	72
9	Tencent	China	Tech - Internet	335	22
10	Alibaba	China	Tech - Internet	314	21
11	JP Morgan Chase	USA	Financial Services	303	90
12	ICBC	China	Financial Services	264	85
13	Nestlé	Switzerland	Food / Beverages	263	88
14	Wells Fargo	USA	Financial Services	262	85
15	Samsung Electronics	Korea	Tech - Hardware	259	168
16	General Electric	USA	Industrial	238	120
17	Wal-Mart	USA	Retail	237	486
18	AT&T	USA	Telecom	234	164
19	Roche	Switzerland	Healthcare	233	51
20	Bank of America	USA	Financial Services	231	80 VDCD
Total				\$7,207	\$2,497 KPCB

Gerd

3 We're at the pivot point of exponential change

(your imagination) Quantum Computing Artificial Intelligence (AI) Intelligent Assistance (IA) Smart-everything The Internet of Things Hyper-connectivity

1248163264128

To keep on thinking linear will be detrimental

Artificial Intelligence (AI)

Intelligent Assistance (IA)

Smart-everything

The Internet of Things

Hyper-connectivity

EVs and AVs Solar energy / battery tech **Smart cities & the IoT** Big Data & Analytics **Robotics & Automation** Intelligent Assistance The Internet of Things **Augmented/Virtual Reality** Additive Manufacturing

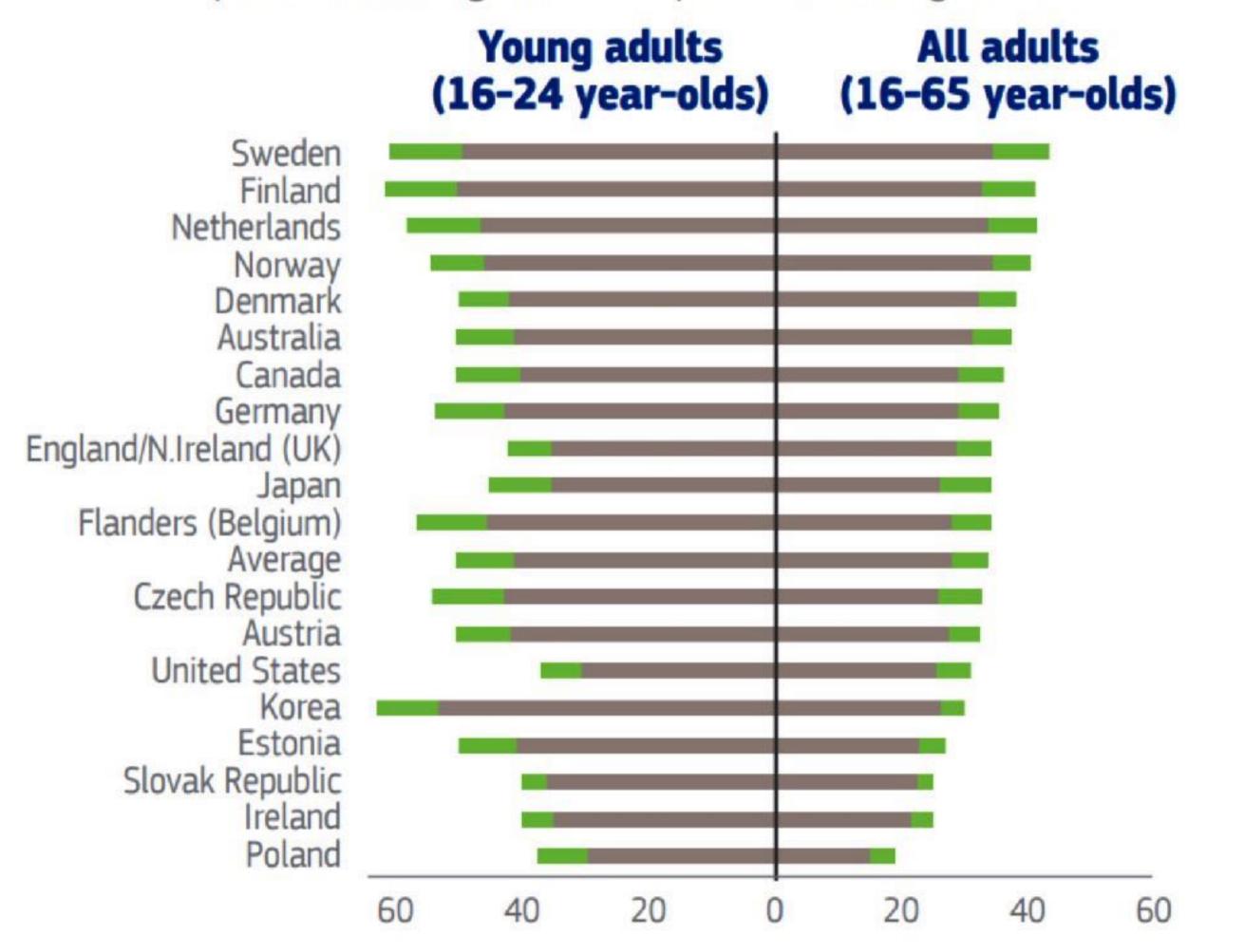


EVs and AVs Solar energy / battery tech **Smart cities & the IoT** Big Data & Analytics **Robotics & Automation** Intelligent Assistance The Internet of Things **Augmented/Virtual Reality** Additive Manufacturing

A WORLD OF CHANGE Younger adults outperform older ones on digital problem-solving

 Basic digital problem-solving skills

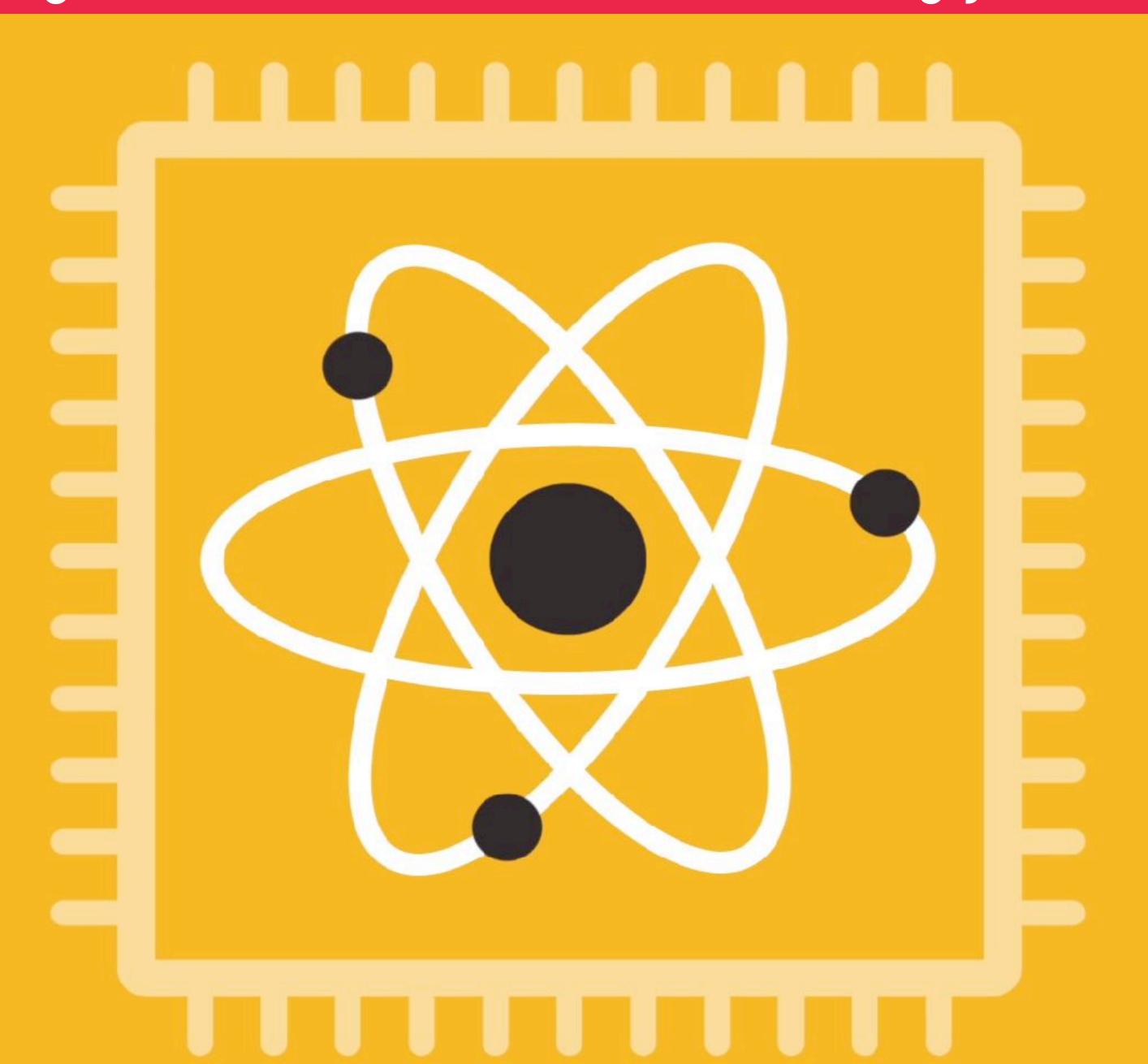
Advanced digital problem-solving skills



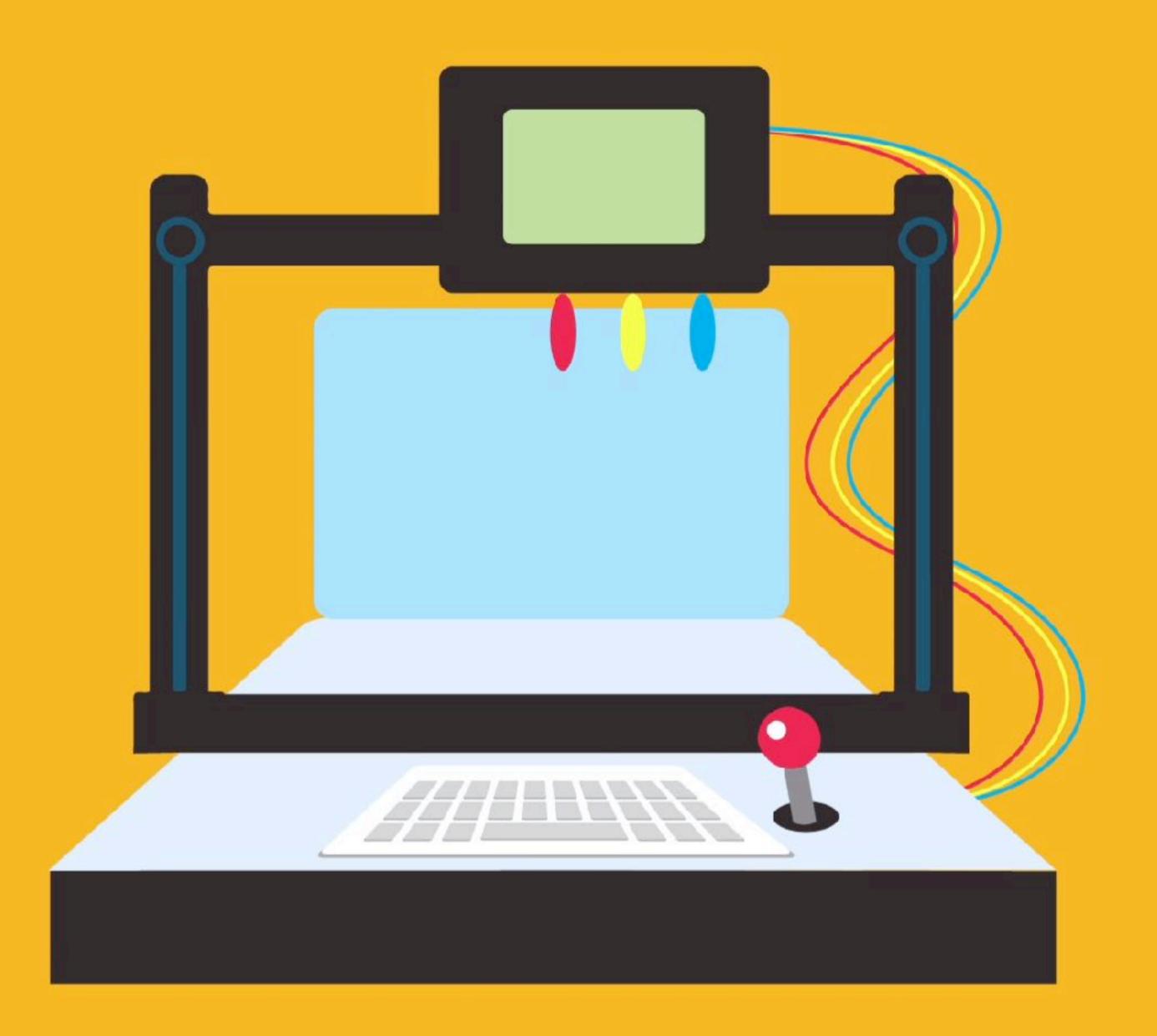
EVs and AVs Solar energy / battery tech **Smart cities & the IoT** Big Data & Analytics **Robotics & Automation** Intelligent Assistance The Internet of Things **Augmented/Virtual Reality** Additive Manufacturing



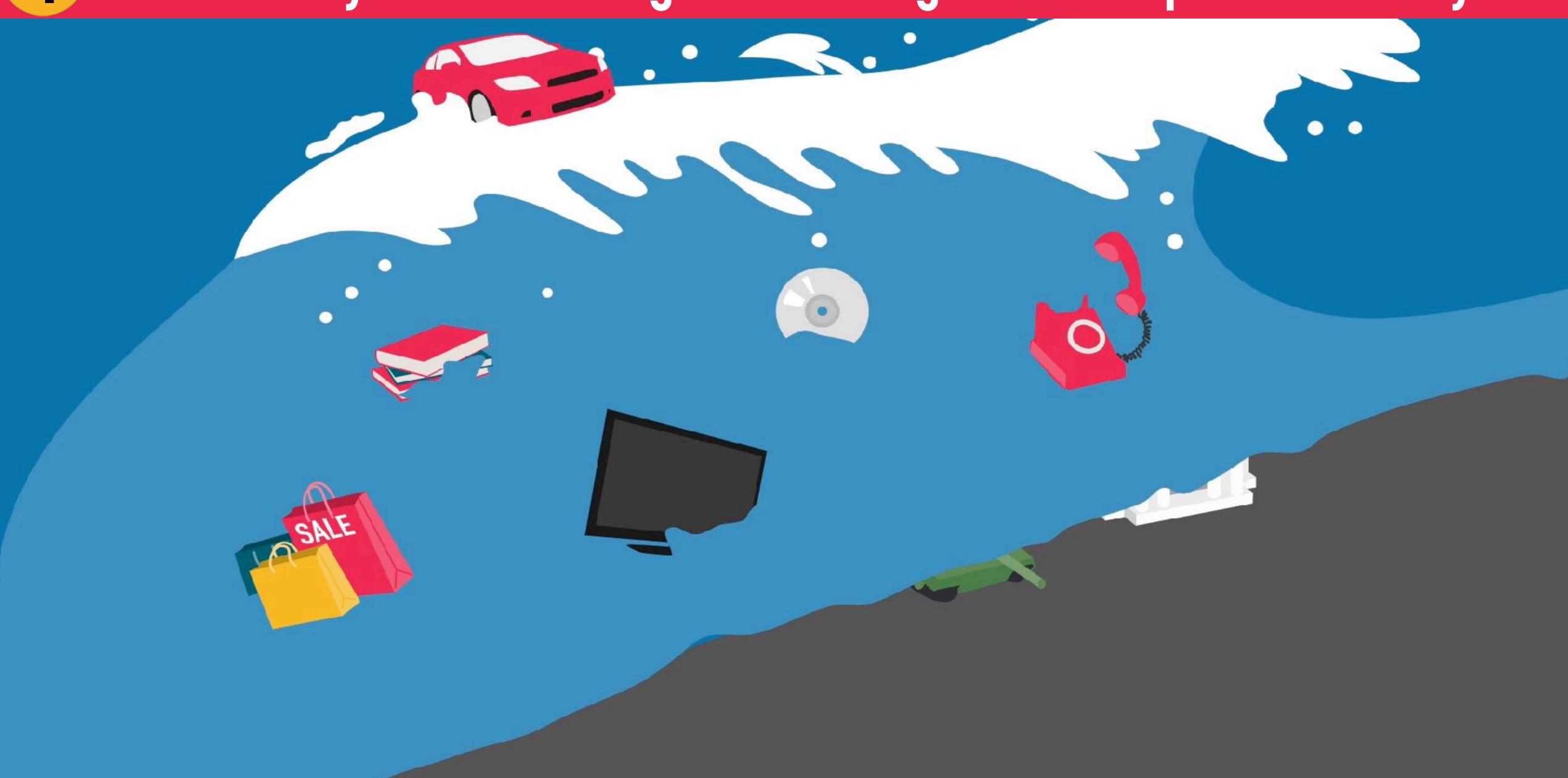
Rapid scientific progress: science fiction is increasingly becoming science fact



Rapid scientific progress: science fiction is increasingly becoming science fact



4 The next 20 years will bring more change than the previous 300 years



Voice-control and intelligent assistants will become the new normal*



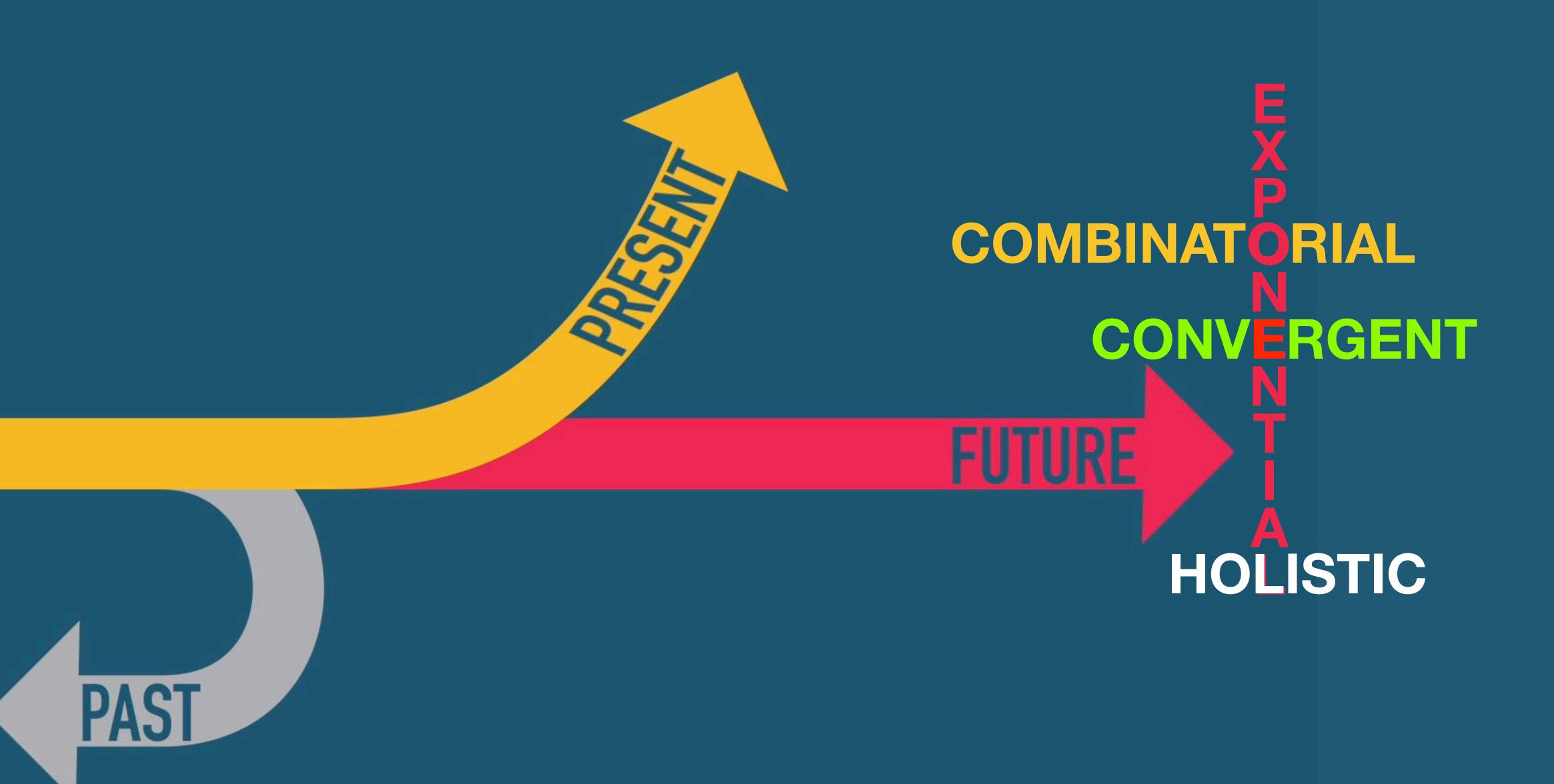
Heaven or Hell: our choice, and our governments' job!





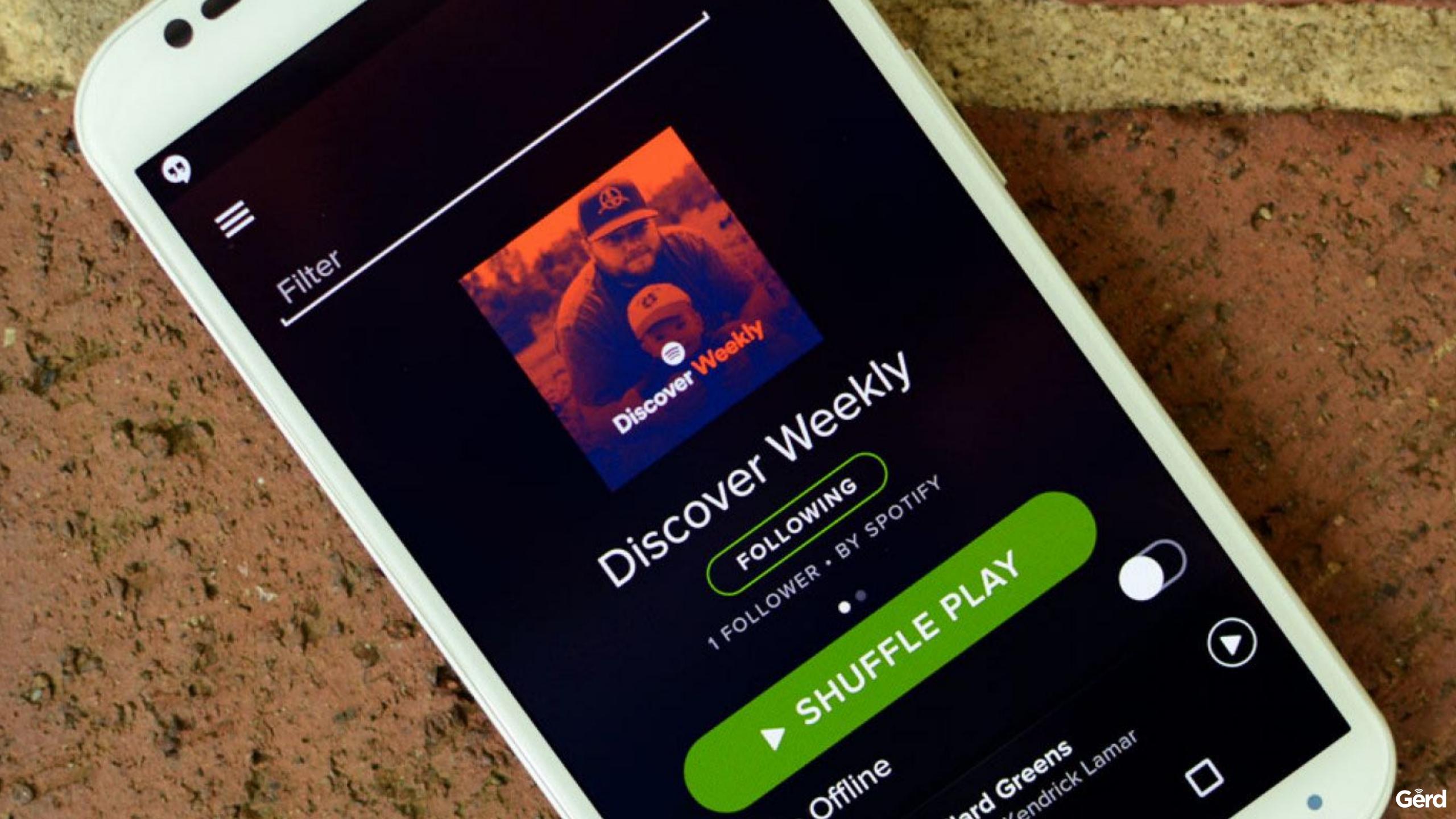


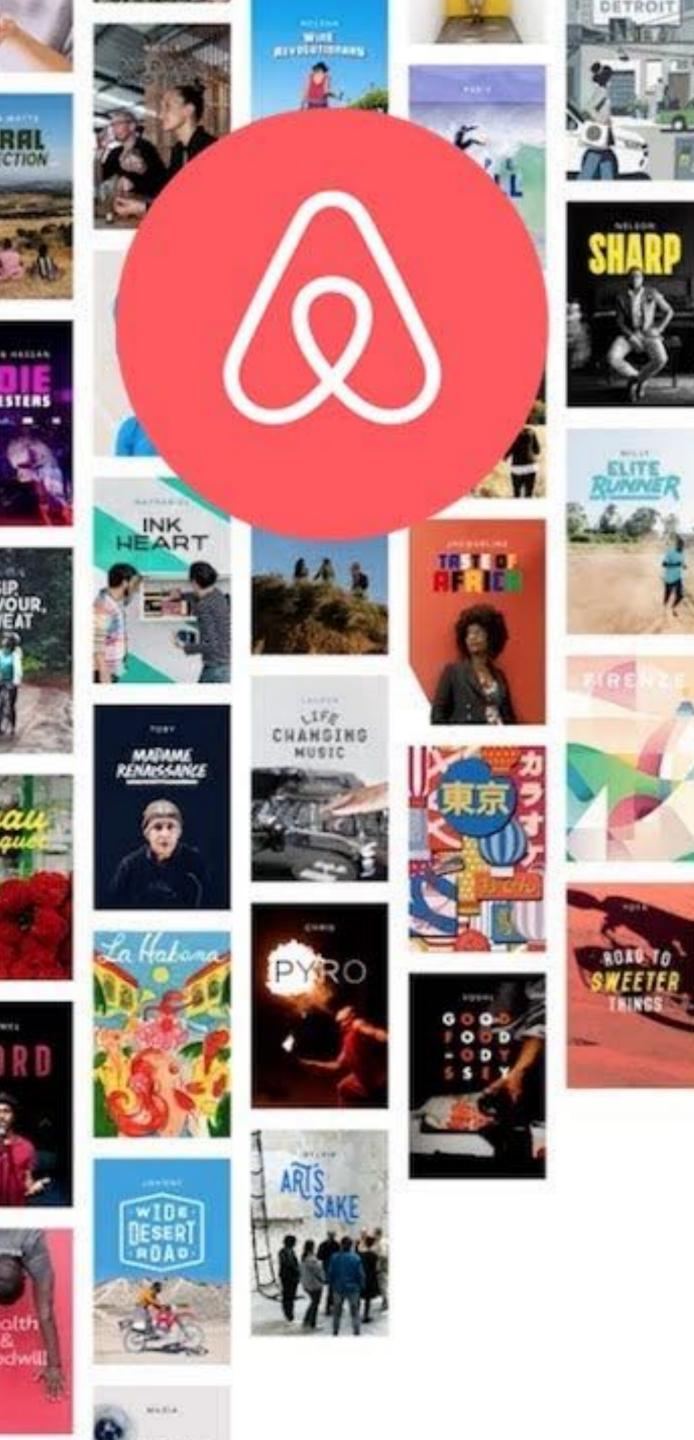
The future is no longer a timeframe, it's a mindset



Imagine Transform UNCERTAINTY COMPLEXITY OLATILITY **AMBIGUITY** Understand Observe

Imagine ransform ELOCITY UNORTHODOXY CO-CREATION AWESOMENESS Understand Observe









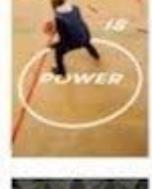
















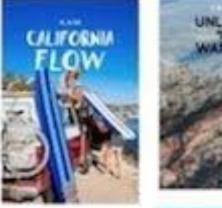














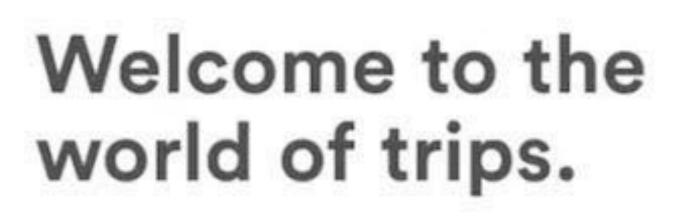






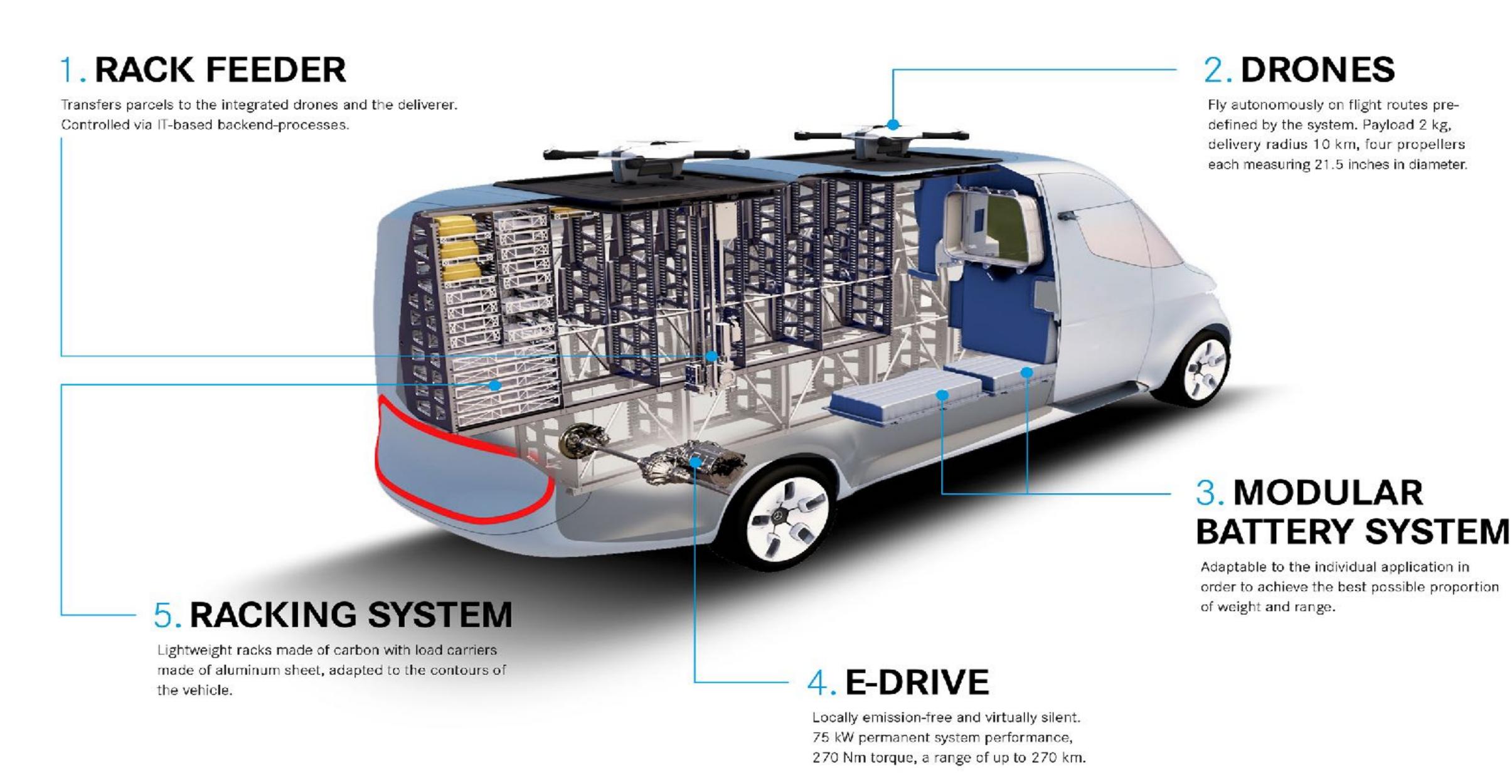






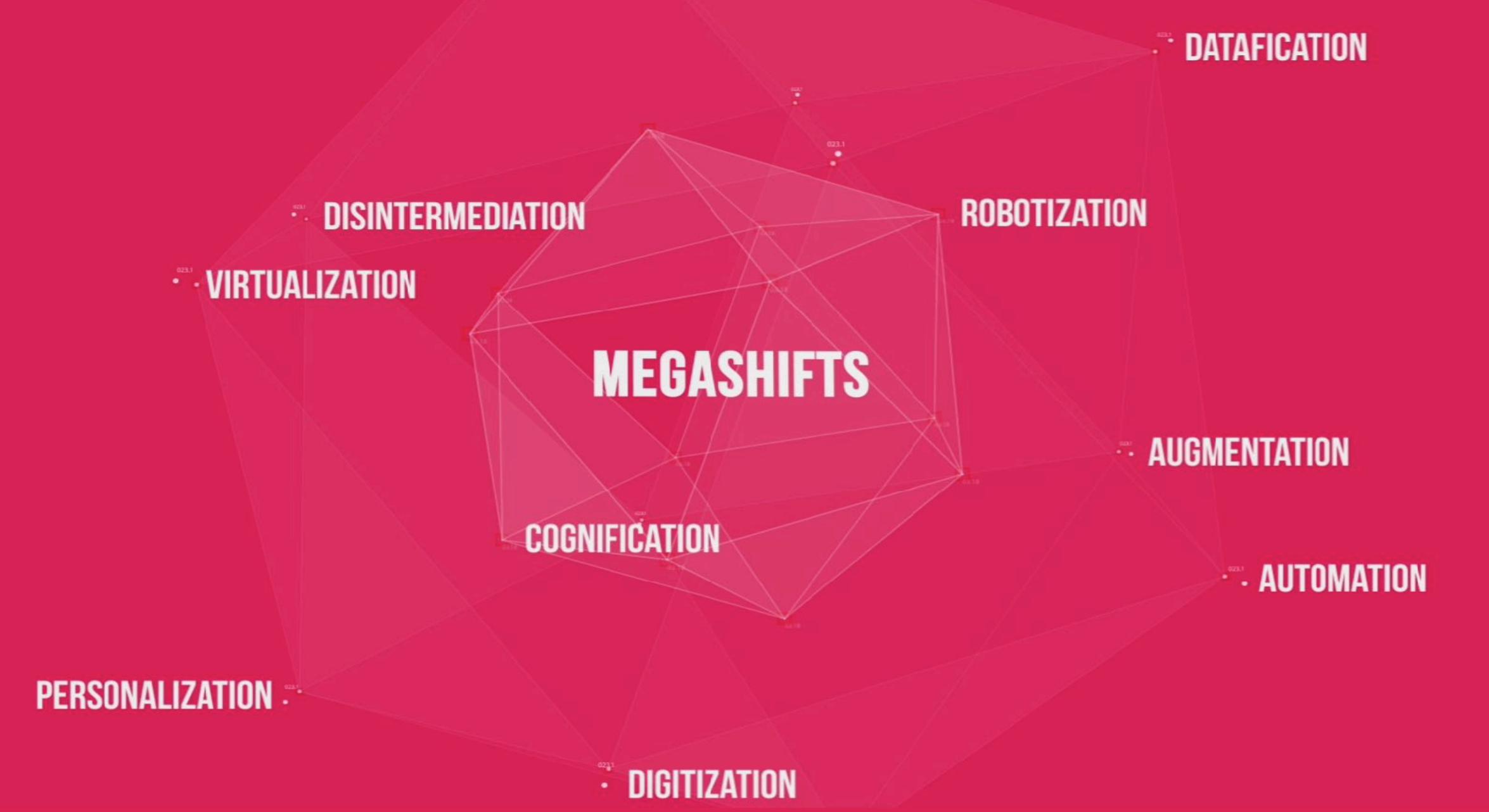


From The Drive to The Drone – Perfect interaction in the Mercedes-Benz Vision Van

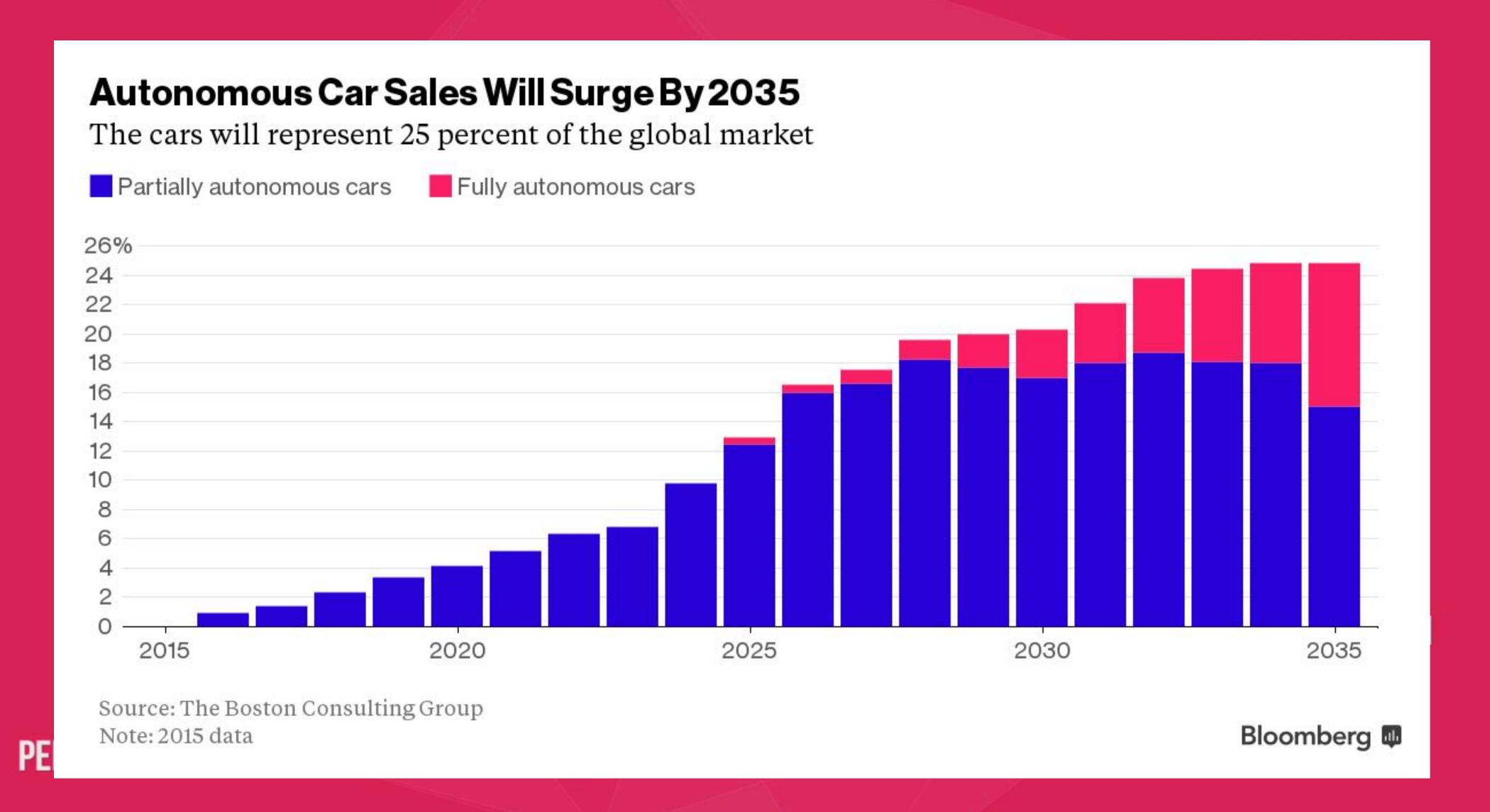


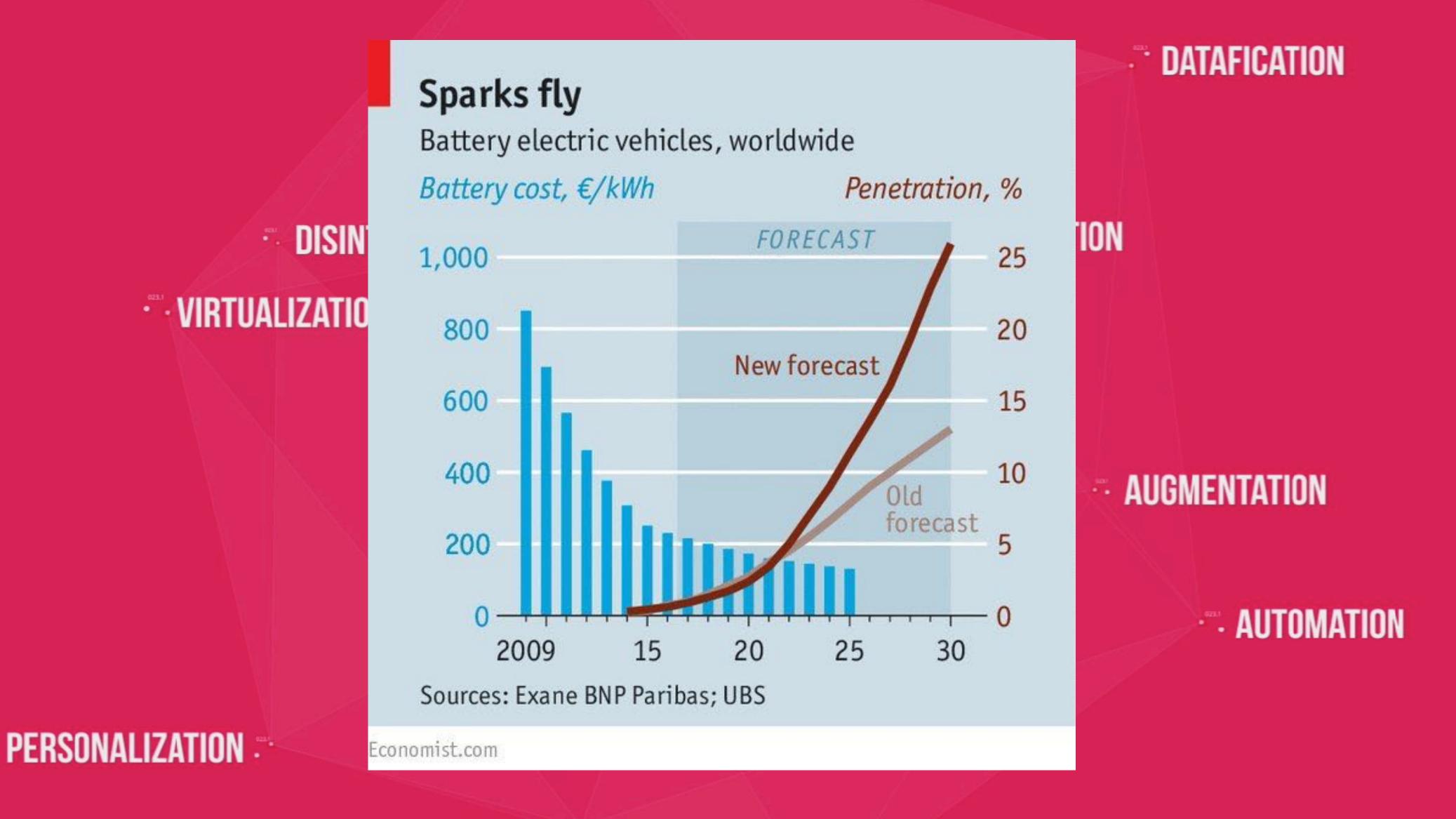
AVESCINE

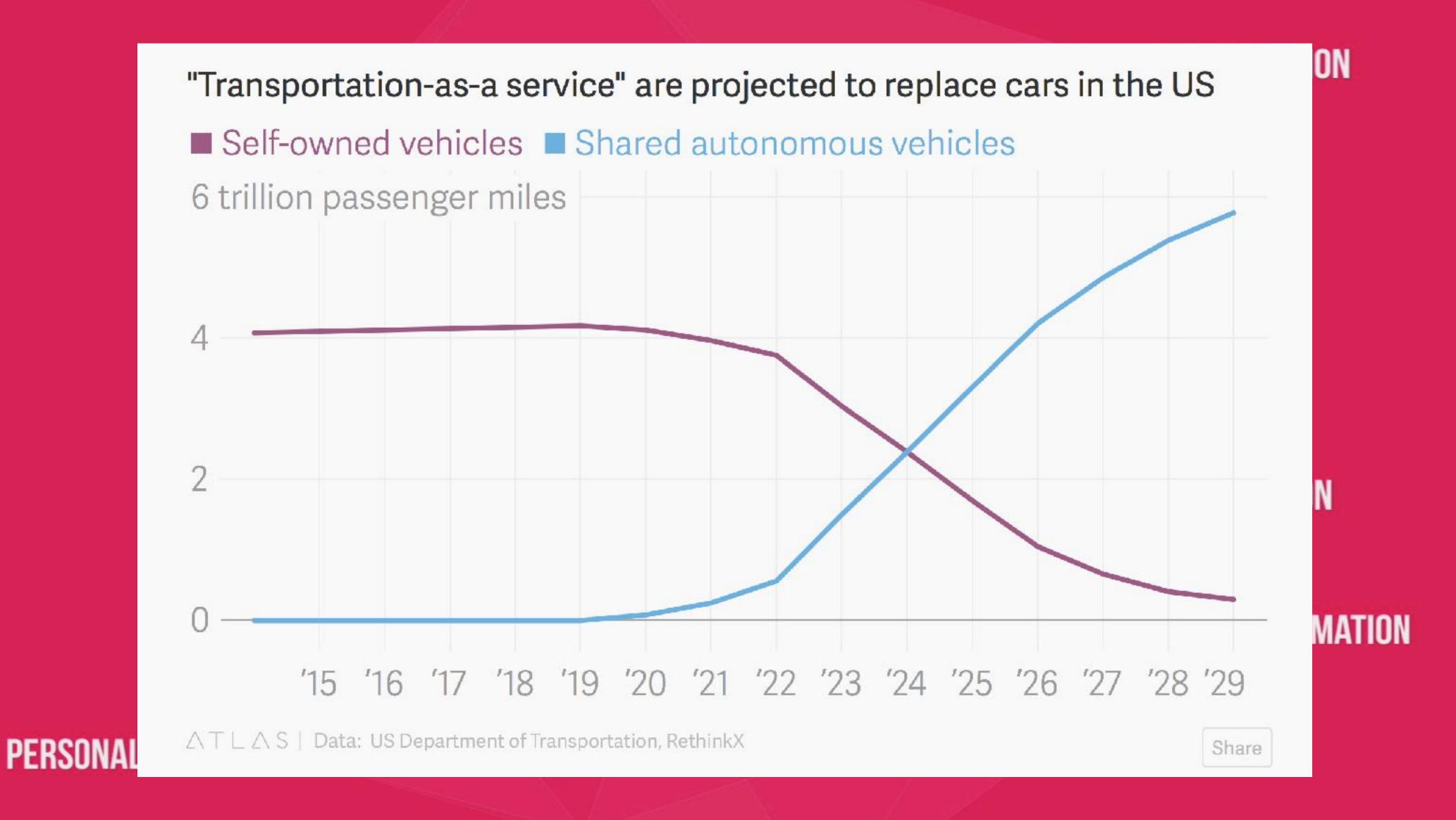
Future-Readiness comes from understanding and immersing in the Megashifts









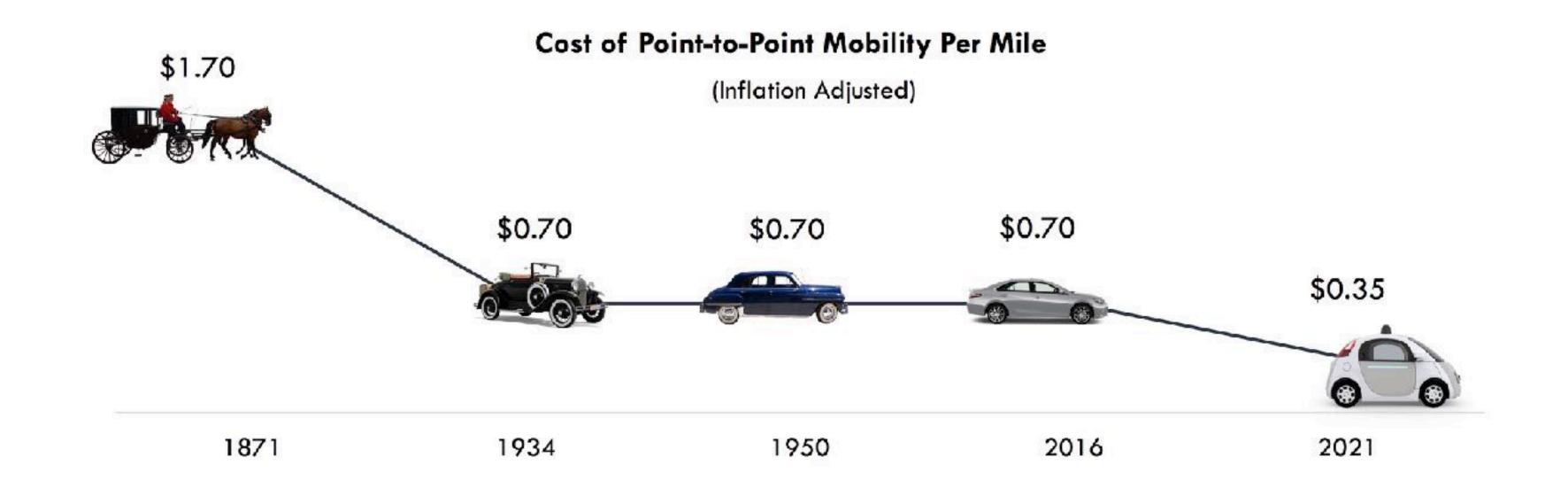


1. Mobility-as-a-Service

Personal Mobility Should Become More Affordable



The price of personal mobility has not changed since the Model T.



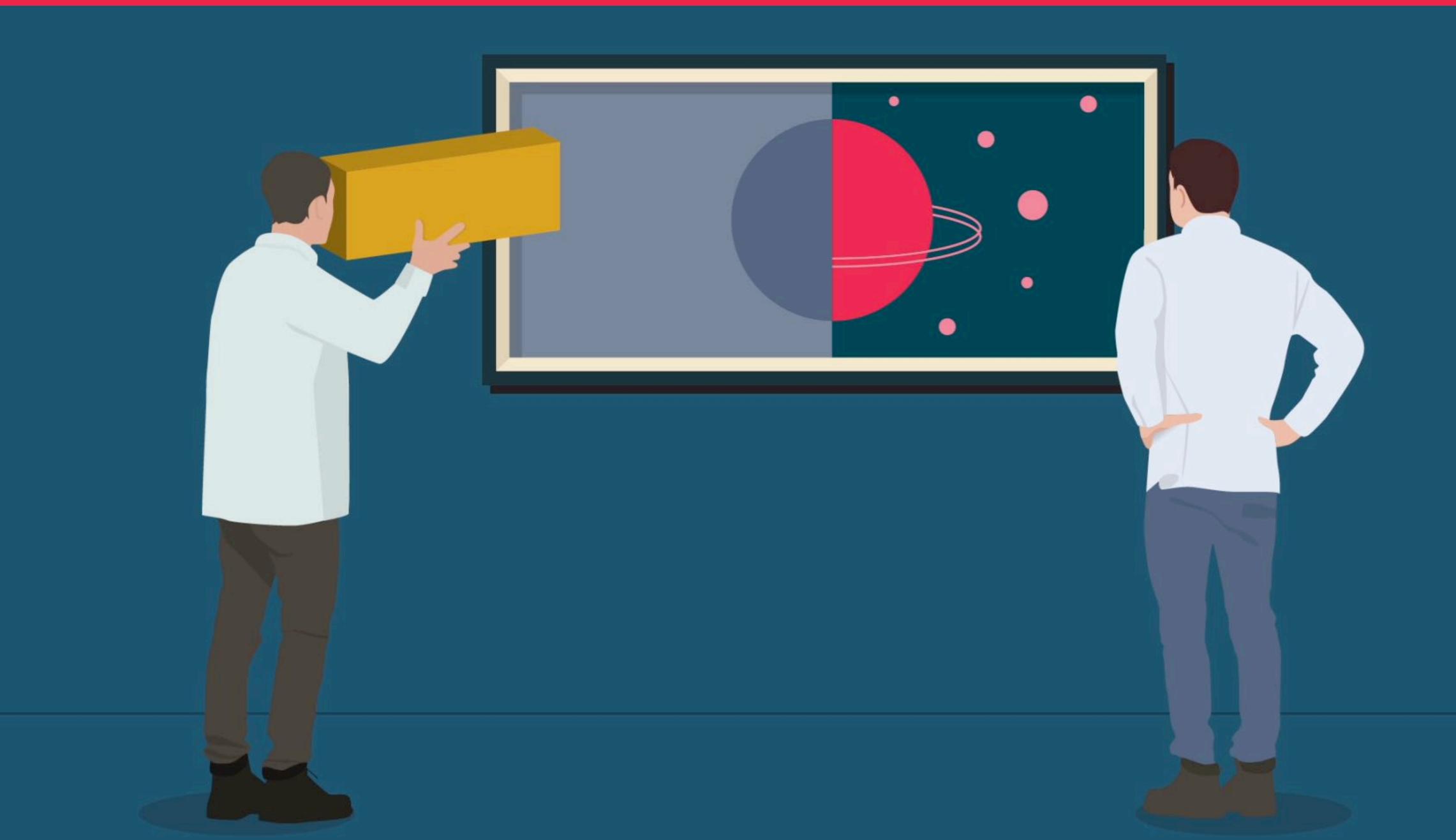
PERS

Sources: ARK Investment Management LLC, 2017 | Morton Salt Company Records, American Automobile Association (AAA)

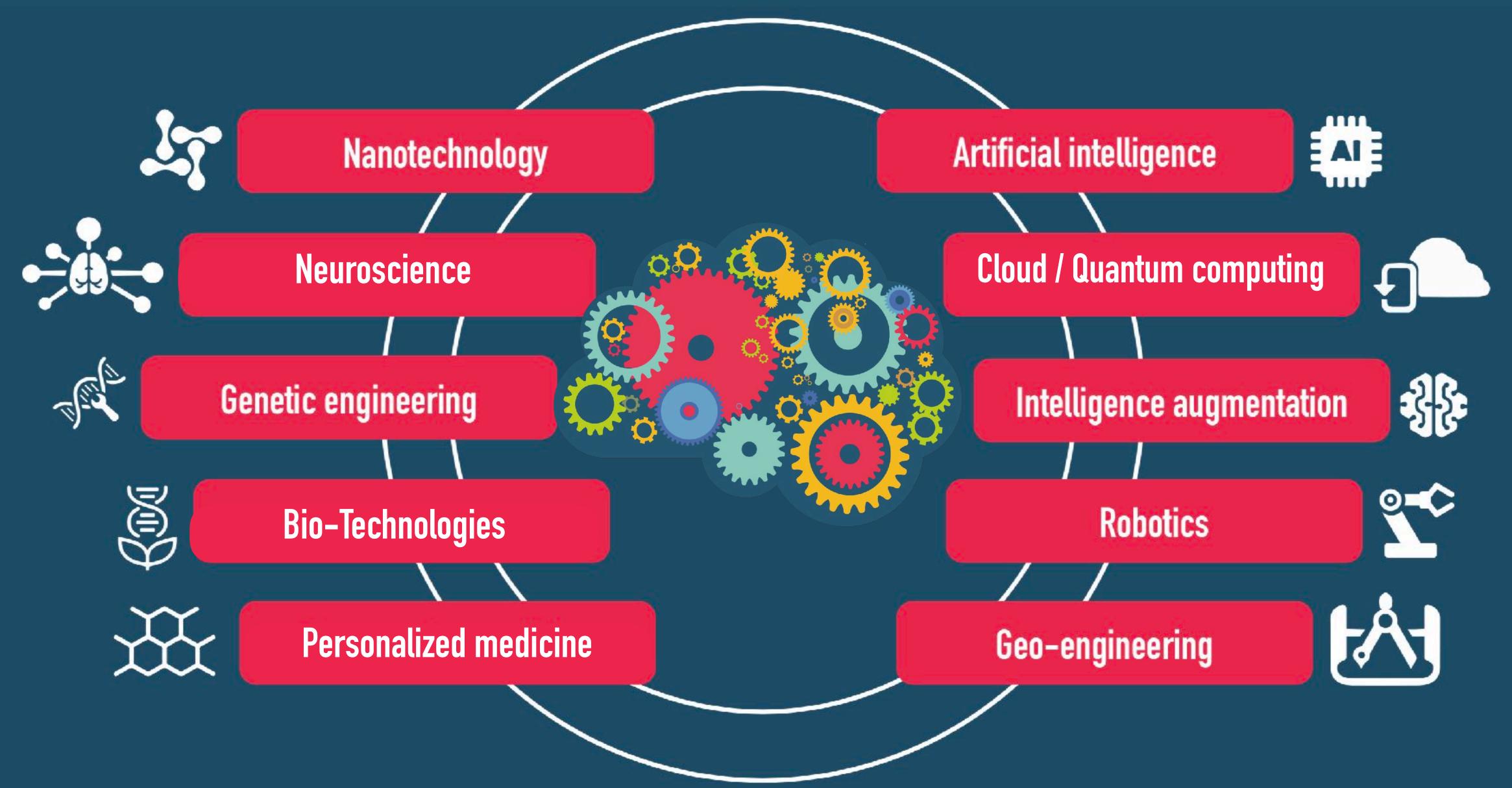
ARK INVEST | BIG IDEAS 2018 | 7



Taking a wider view will be essential: take your customers beyond the obvious!

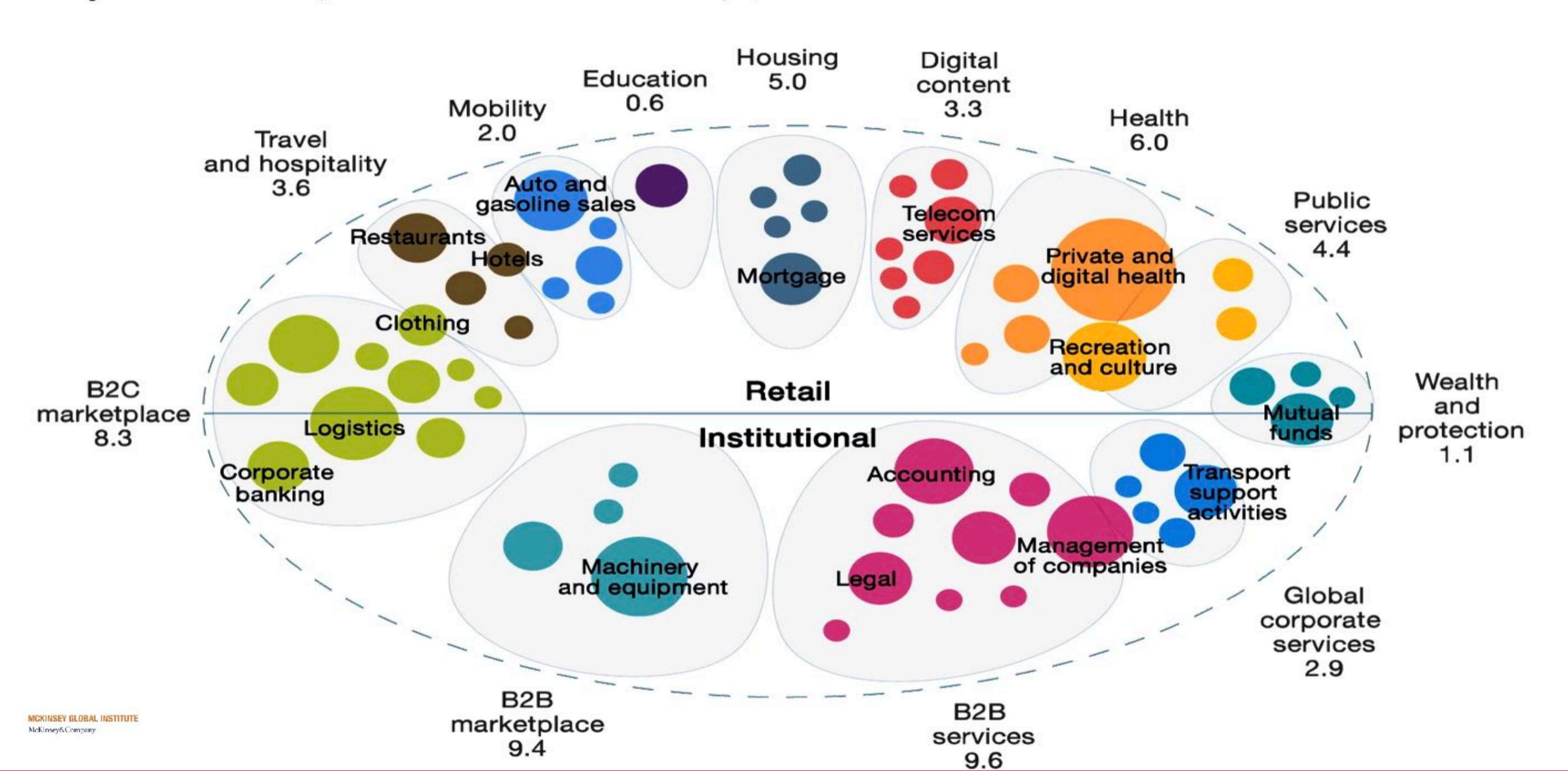


Industries are increasingly converging, new ecosystems are forming

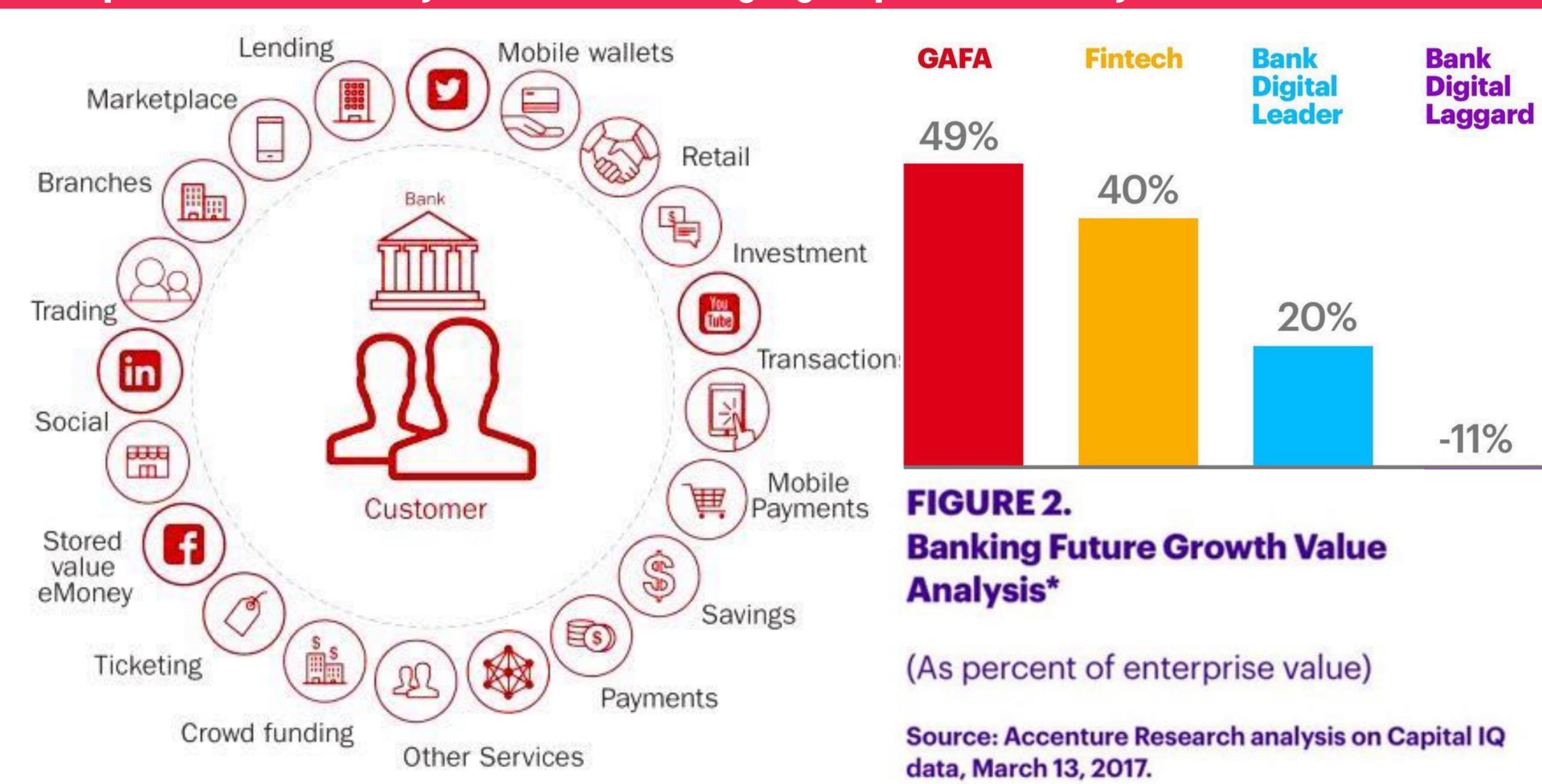


New platforms & ecosystems are emerging in place of many traditional industries

Ecosystem illustration, estimated total sales in 2025,1 \$ trillion

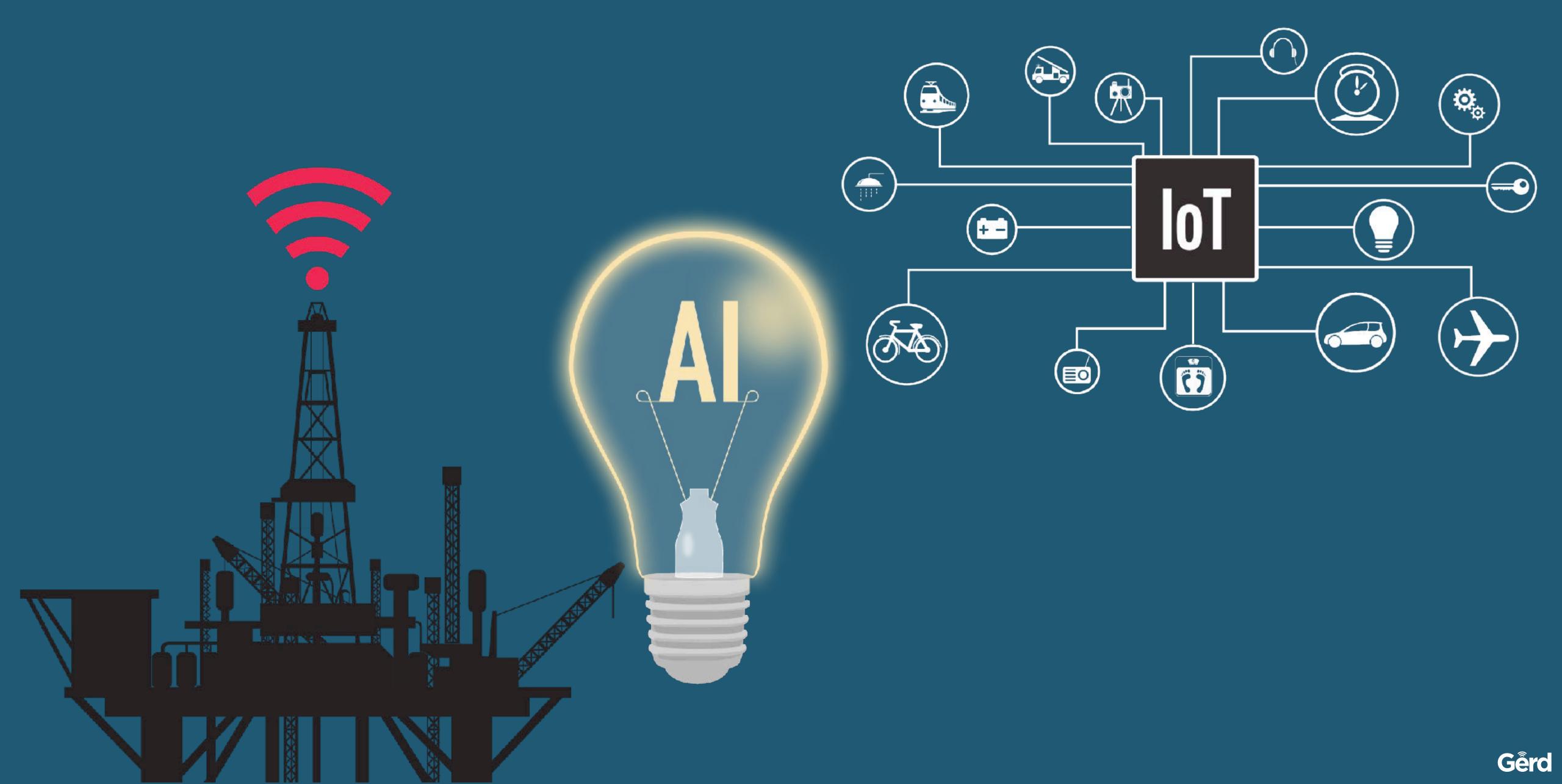


New platforms & ecosystems are emerging in place of many traditional industries

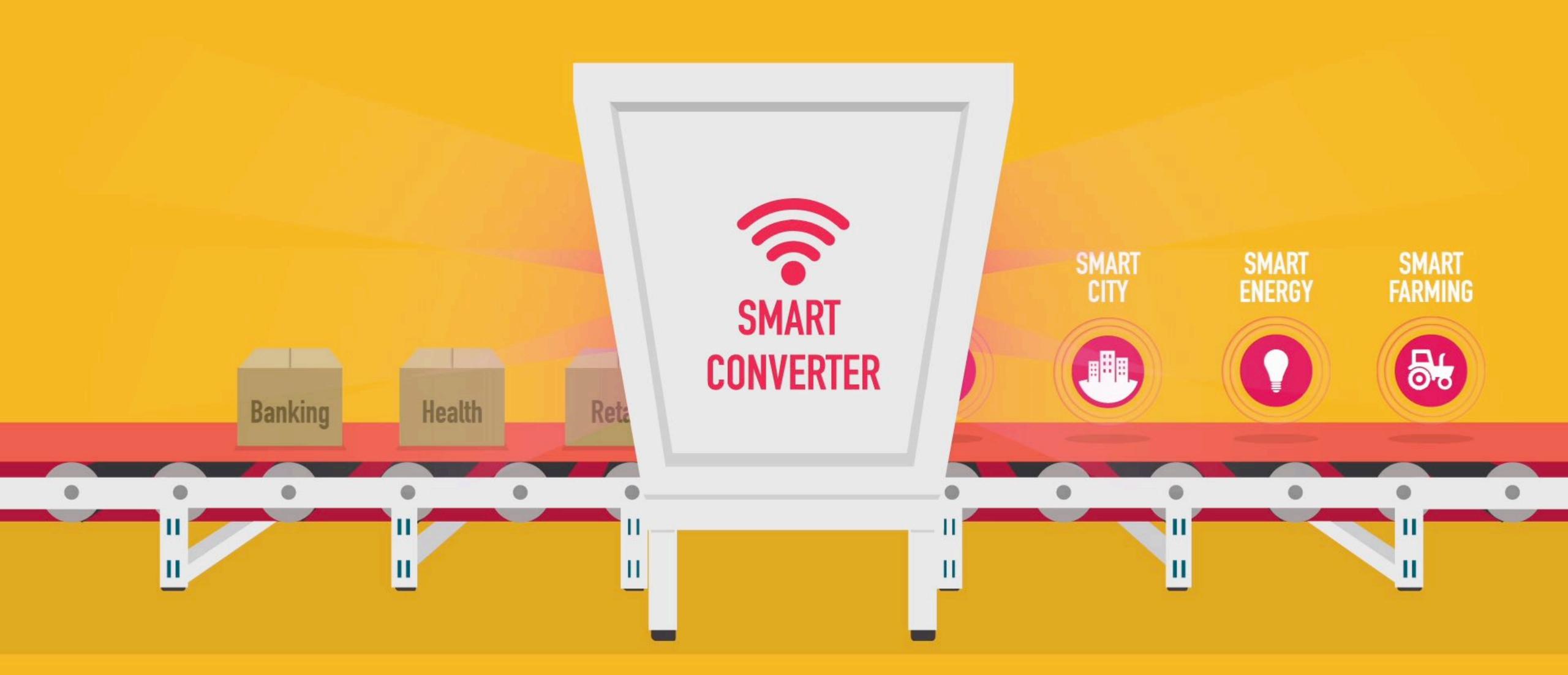




Data is the new Oil. Al is the new electricity. The IoT is the new nervous system.



First we digitised, now we cognify

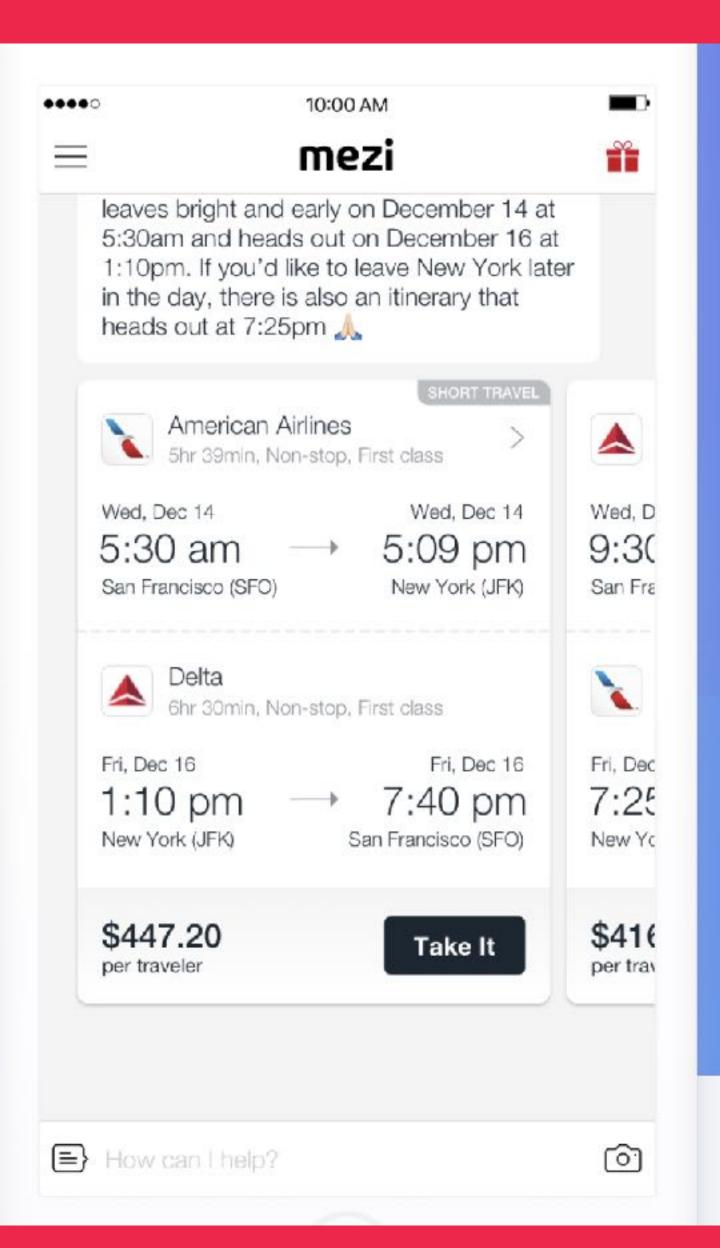


Al for Travel

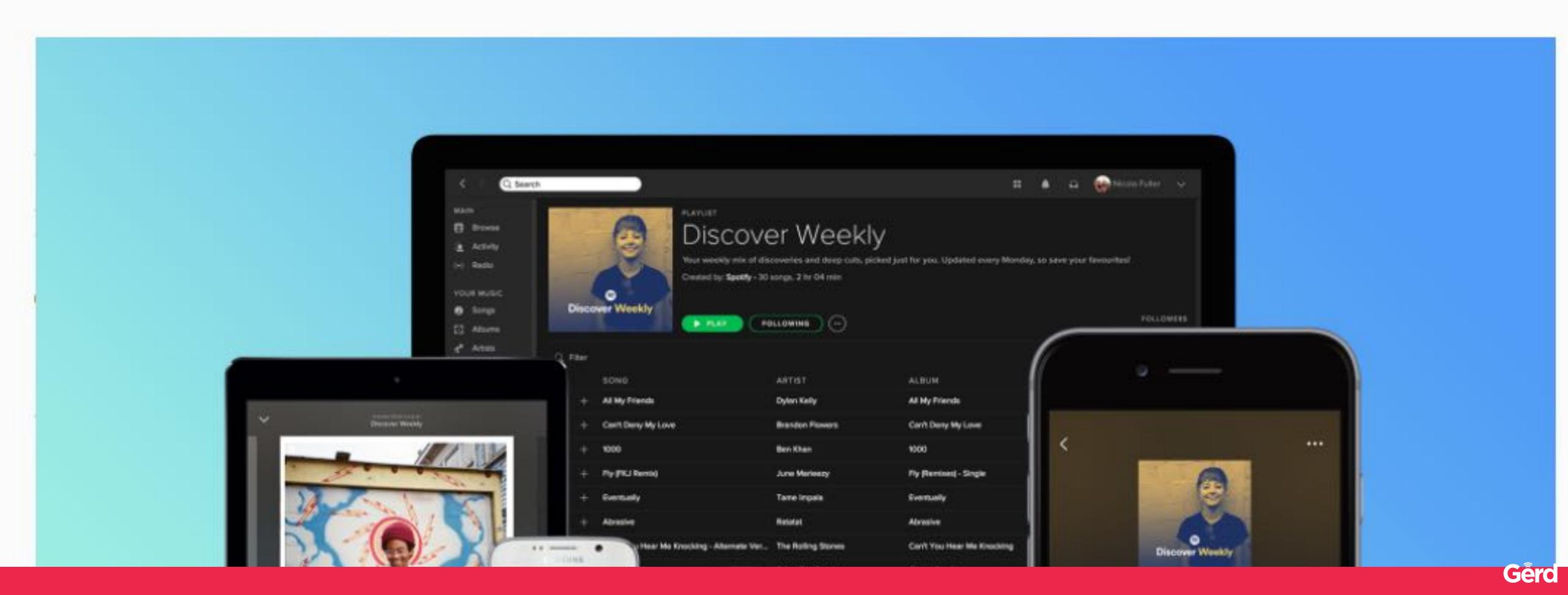
Mezi is your Personal Travel Assistant. The more you go, the better it gets.

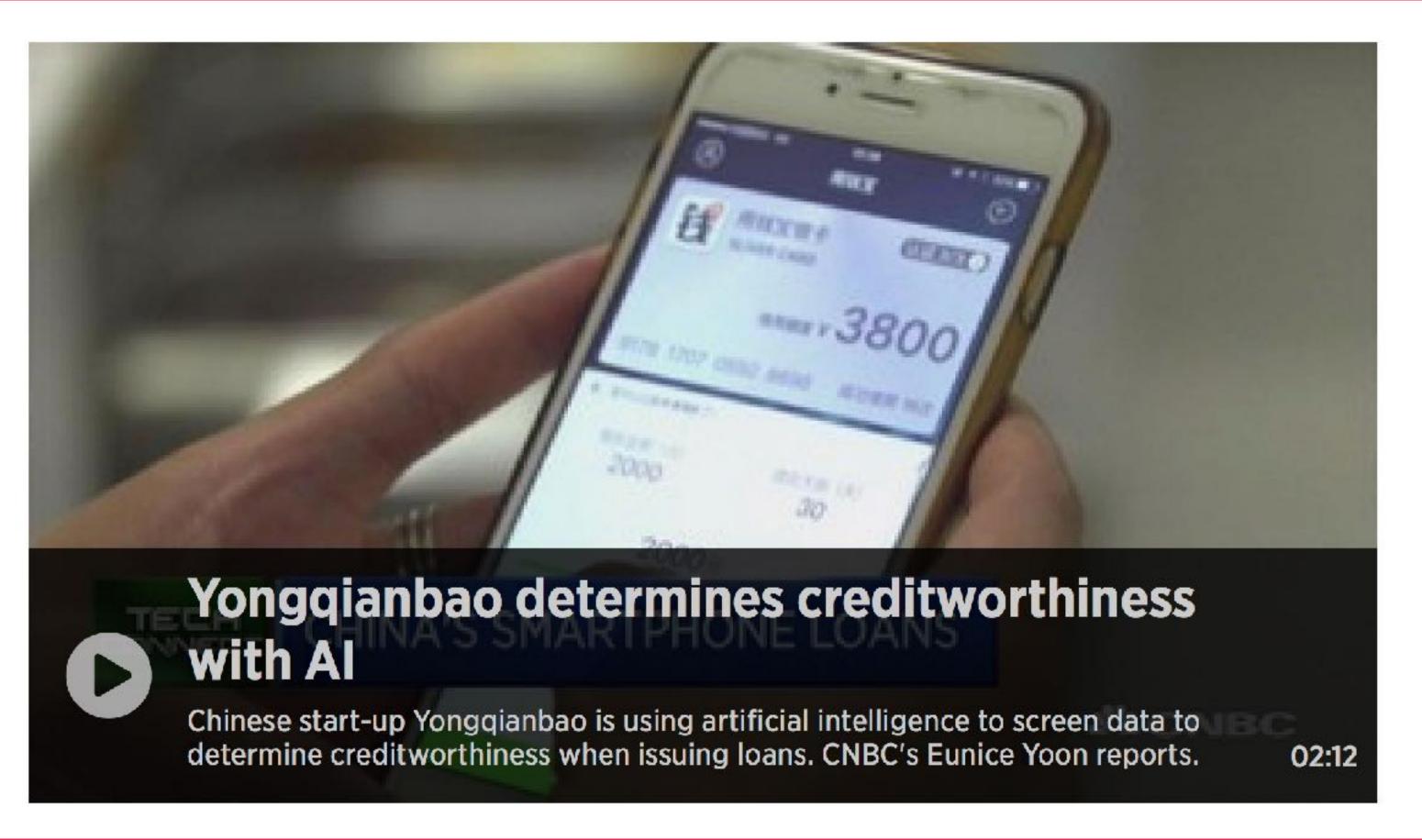






Spotify using Deep Learning to Create the Ultimate Personalised Playlist





Yongqianbao determines creditworthiness with Al

1:06 AM ET Fri, 14 July 2017

Chinese start-up Yongqianbao is using artificial intelligence to screen data to determine creditworthiness when issuing loans. CNBC's Eunice Yoon reports.











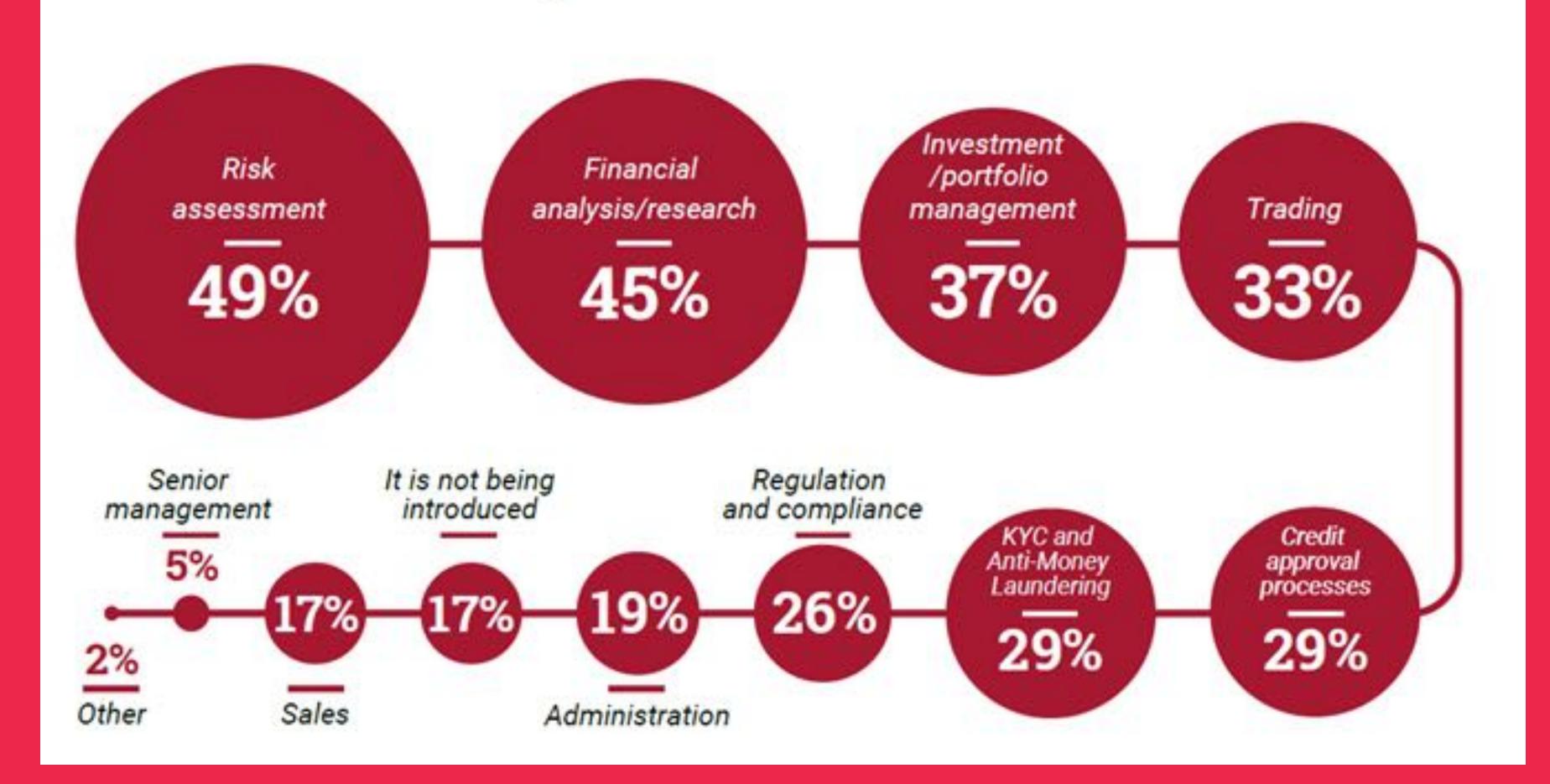






Where do you expect AI/machine learning technology to be introduced in your organisation in the next three years?

Source: Baker & McKenzie

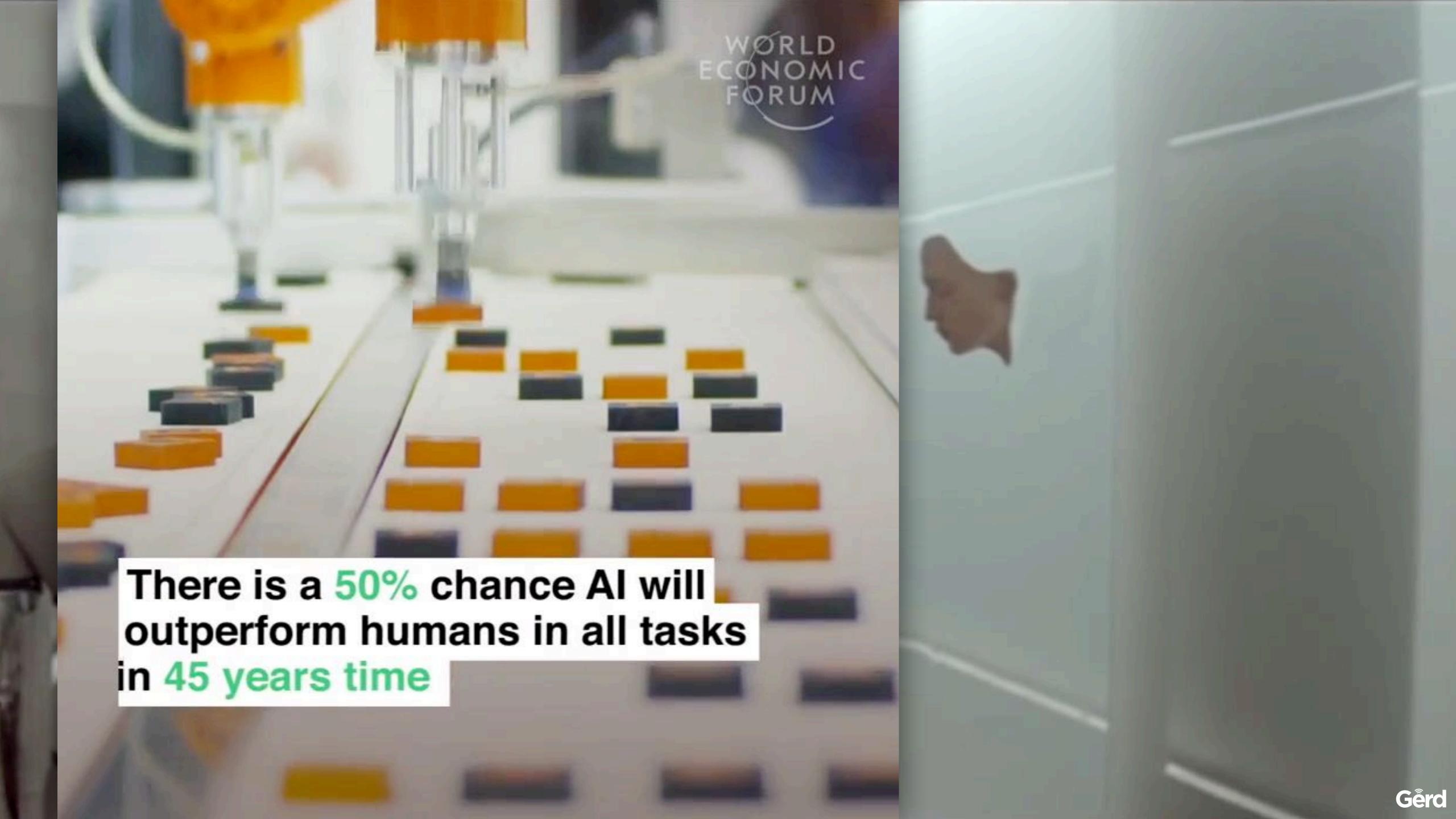


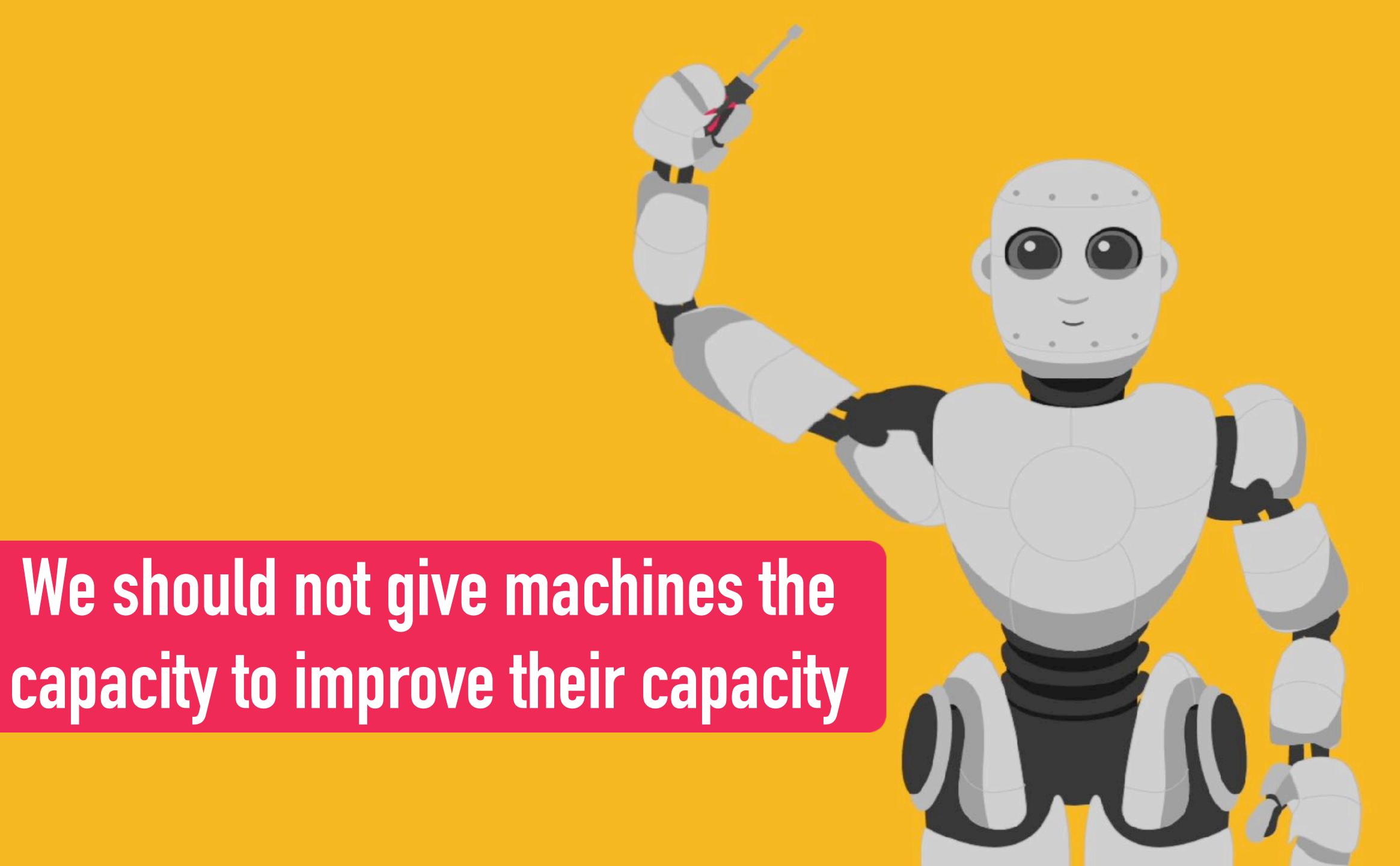
Intelligence is the new UI





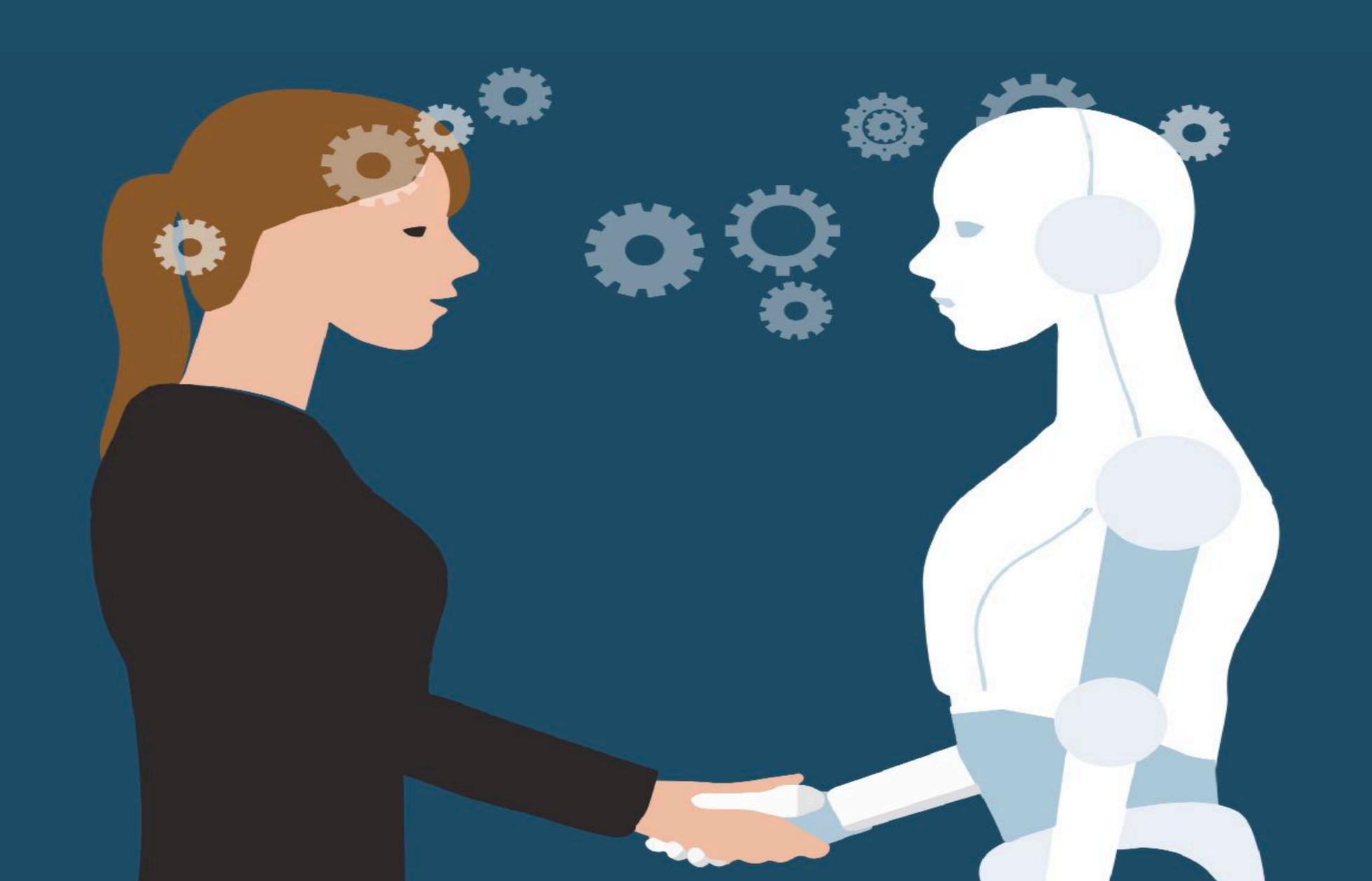




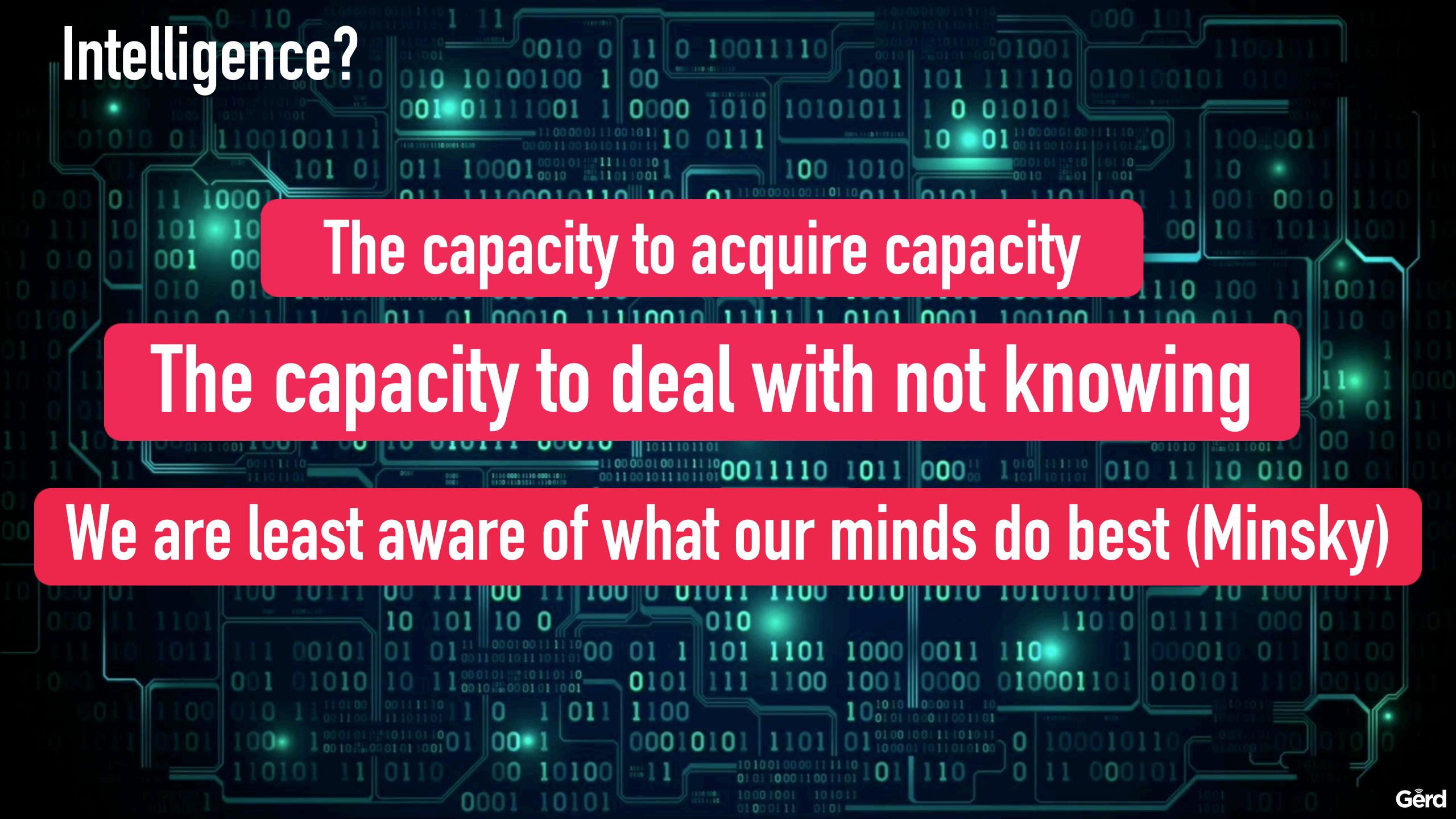


8

Intelligent machines will change our world more than any other invention before



Machine intelligence (IA, AI) Human intelligence (HI) but how do we define 'intelligence'?



Social intelligence (human) Emotional intelligence (human) Kinaesthetic intelligence (human) Intellectual intelligence (human)

Artificial intelligence (machines)



"Algorithms outperform human intelligence when it is NOT about understanding emotional states, intentions, interpretations, deep semantic skills, consciousness, self-awareness and flexible intelligence" (via Luciano Floridi)



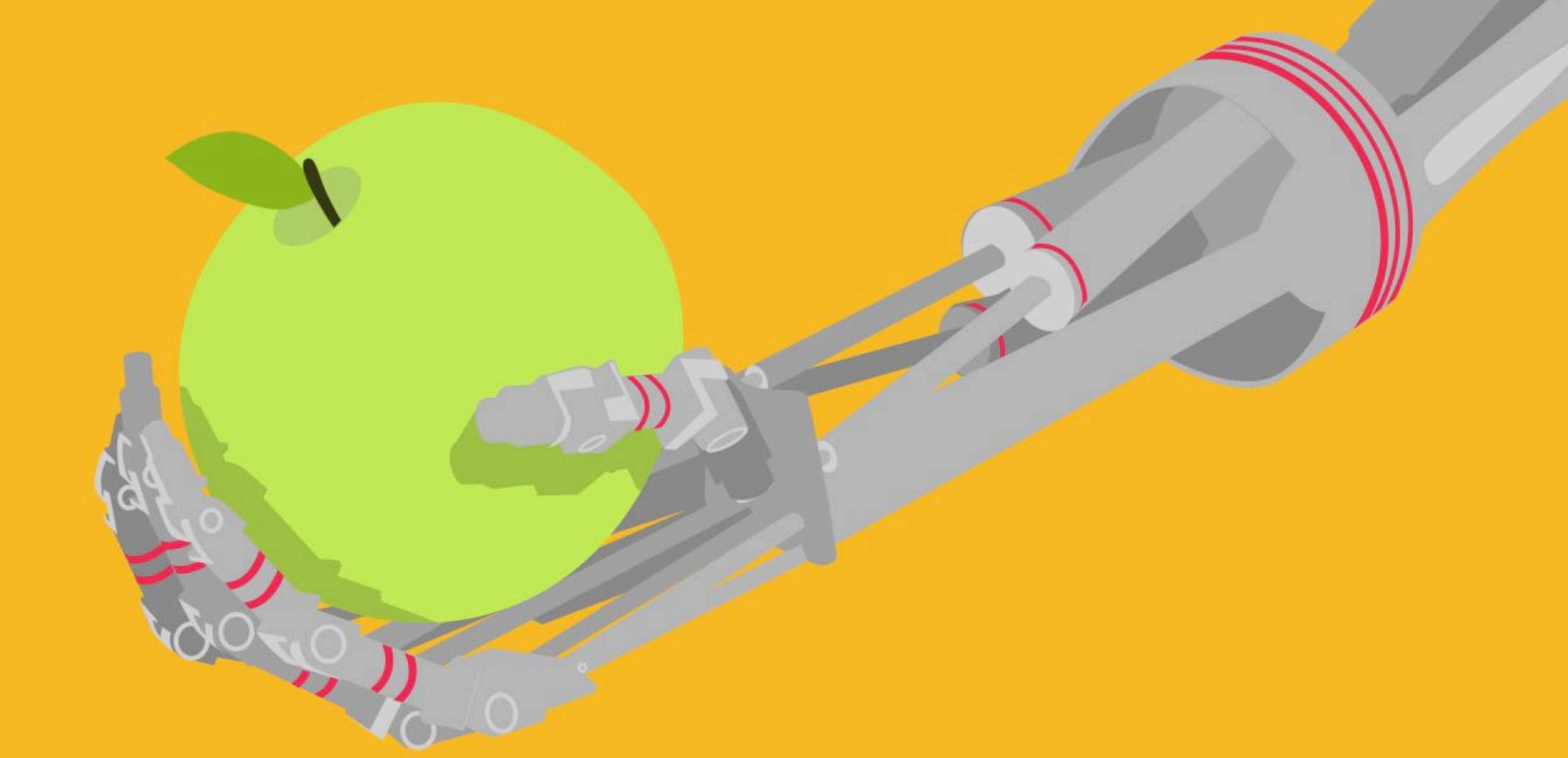
The idea that a computer system supplements and supports human thinking, analysis, and planning, leaving the intentionality of a human actor at the heart of the human-computer interaction. Focusing on the interaction of humans and computers, rather than on computers alone.



Source: Wikipedia: An Intelligence Augmentation tool

The idea of a computer system that, by reproducing human cognition, allows that system to function autonomously and effectively in a given domain. An Al system demonstrates a kind of intentionality—it initiates action in its environment and pursues goals.

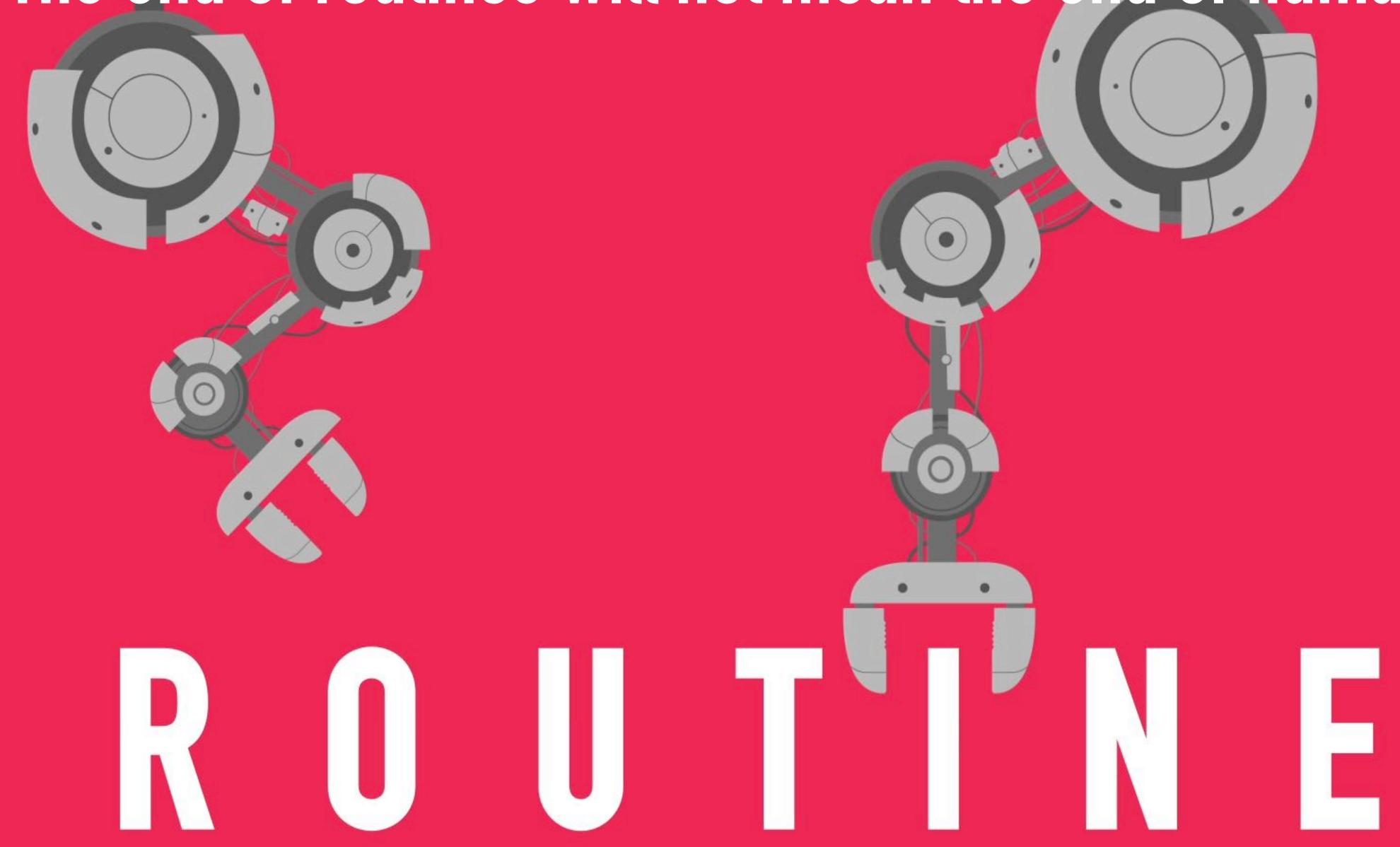
What should (not) be automated?







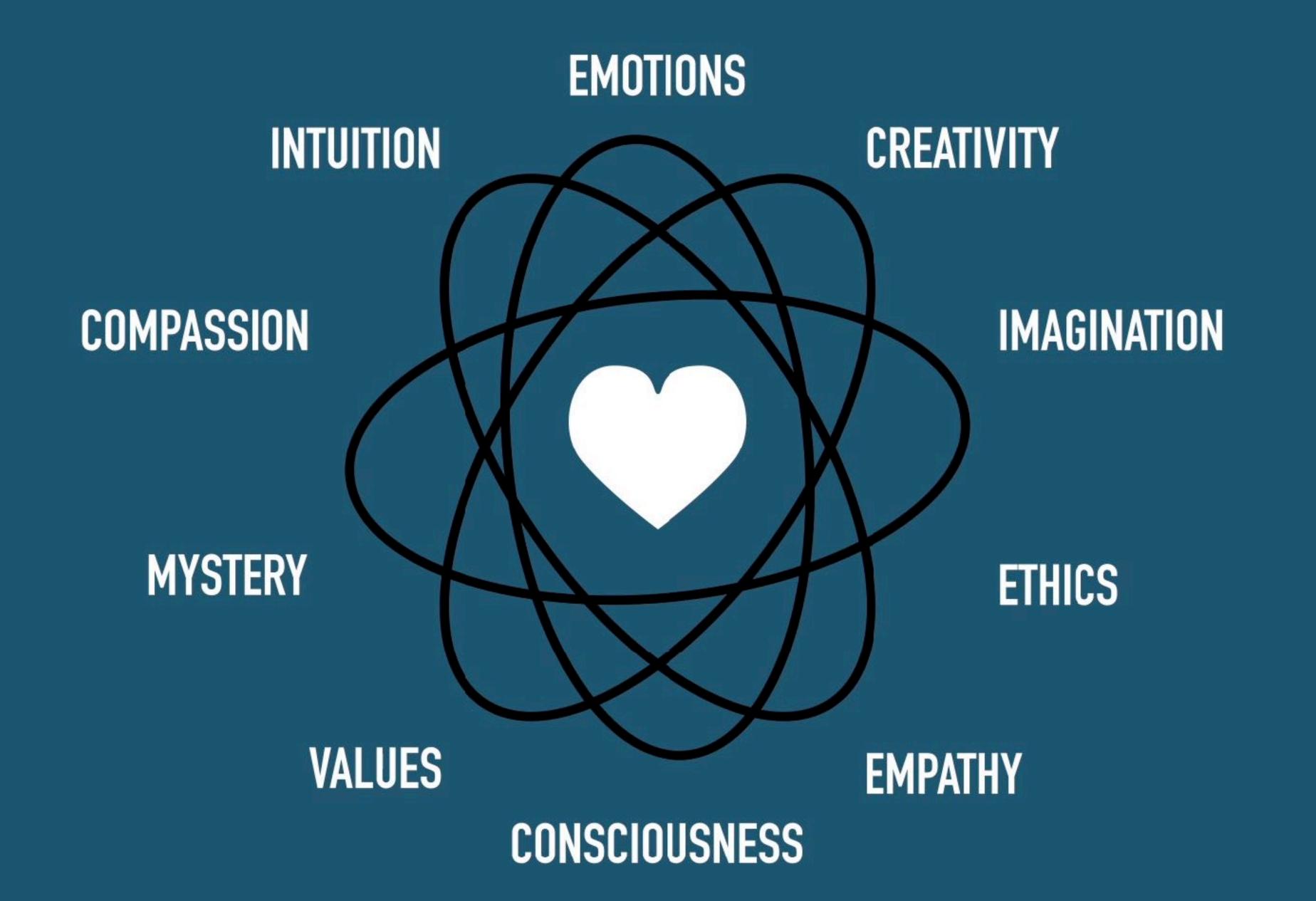
The end of routines will not mean the end of human work*



While anything that can be digitized, automated or virtualized, will be...



...anything that cannot be digitized or automated will become much more valuable





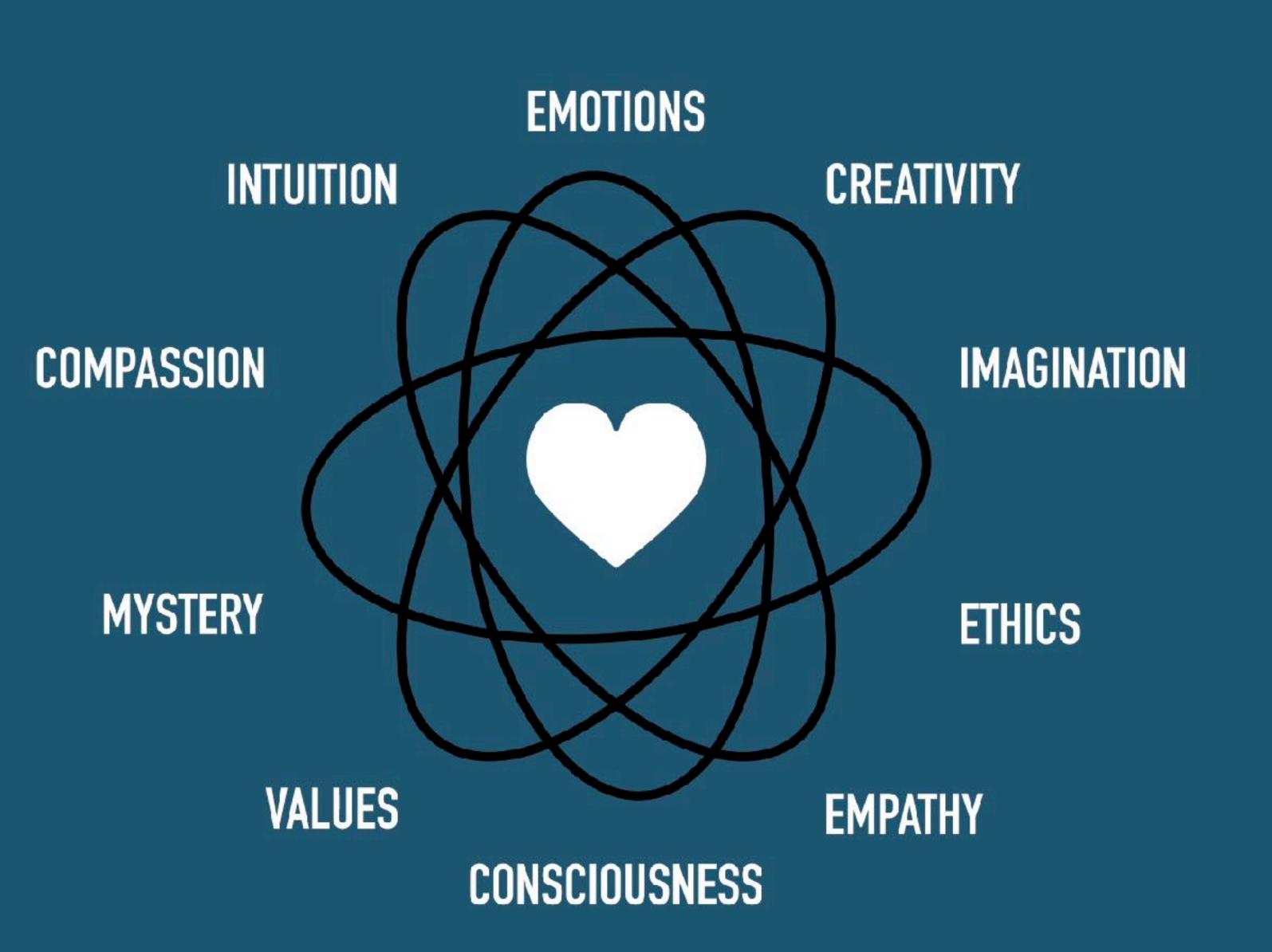
How people (and their enterprises) actually change

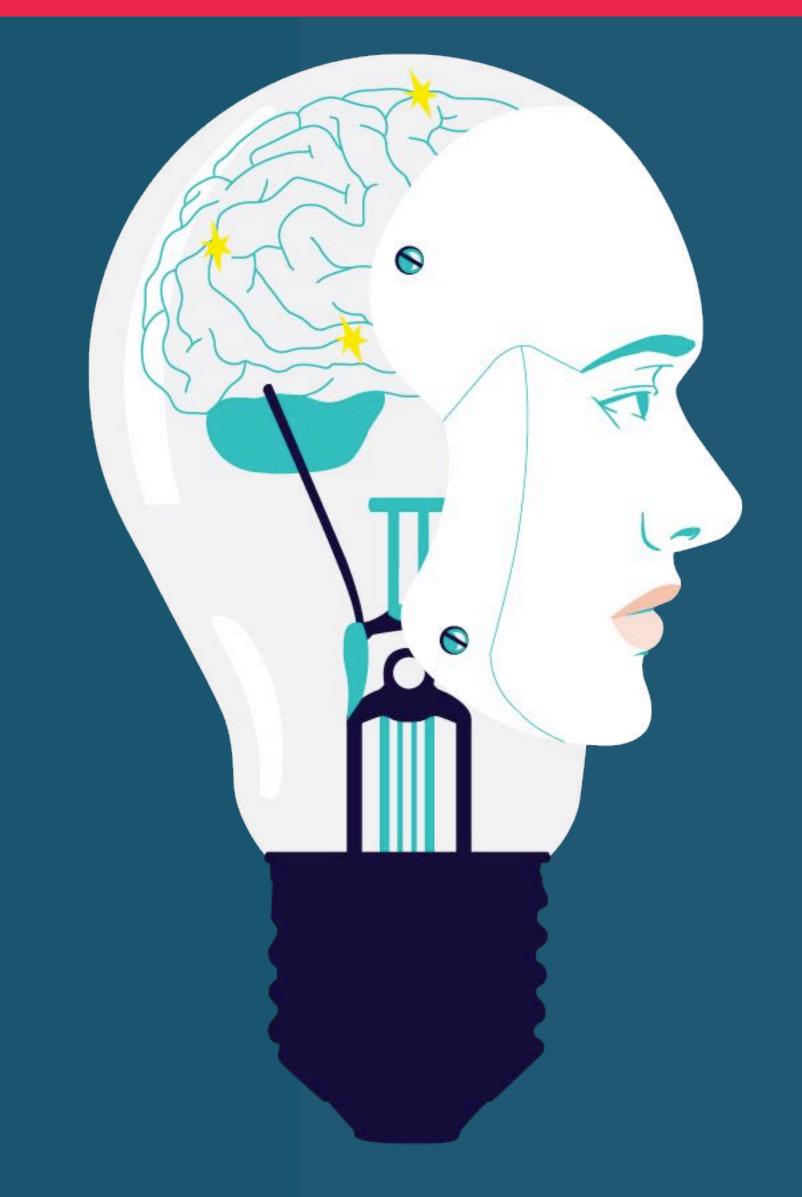


Don't just use technology to be more efficient: use it to do entirely new things!



Invest in BOTH to enjoy sustainable growth





Civilizations are driven by their technology but defined by their humanity (and so is your business!)





MANIC





The Future belongs to those that can hear it coming' David Bowle





