

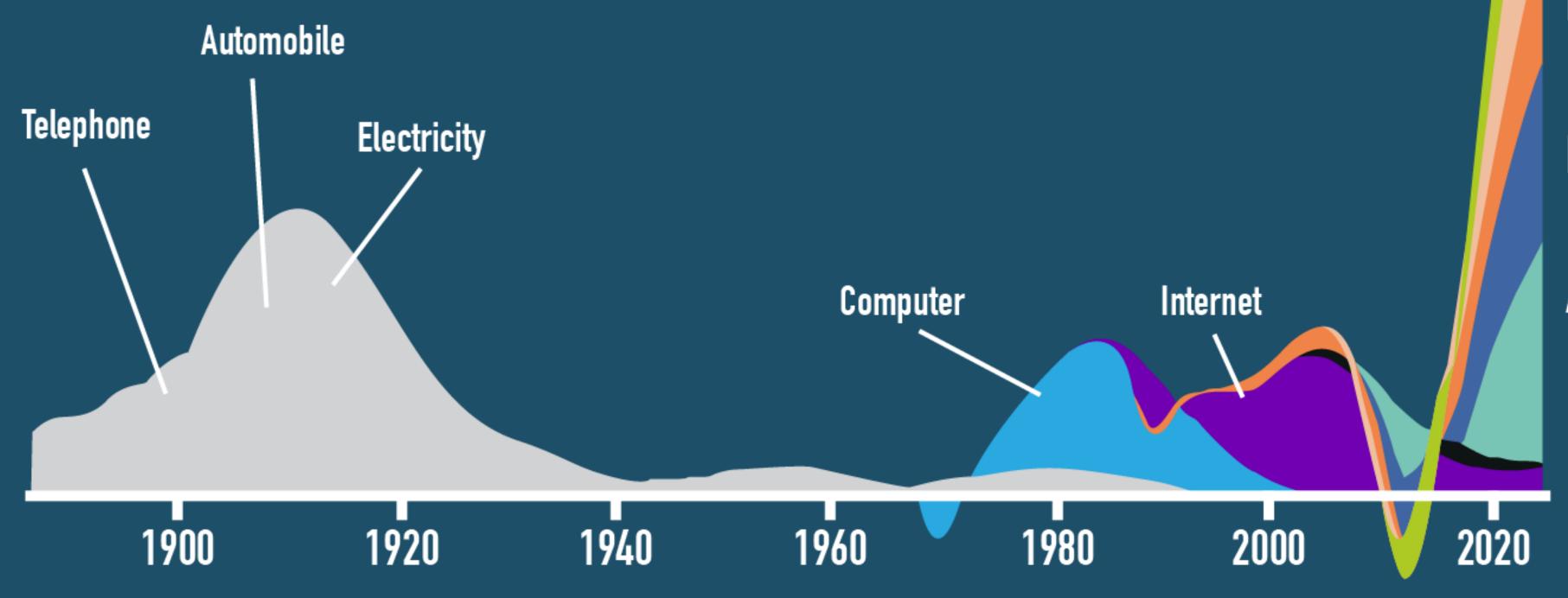
Our world is going to change more in the next 20 years than in the previous 300 years







THE BIGGEST TECHNOLOGICAL TRANSFORMATION IN HUMAN HISTORY



Source: ARK Investment Management

Blockchain Technology

Genome Sequencing

Robotics

Energy Storage

Artificial Intelligence



Gěrd

Transcend EFFICIENCY – go beyond faster, better, cheaper!





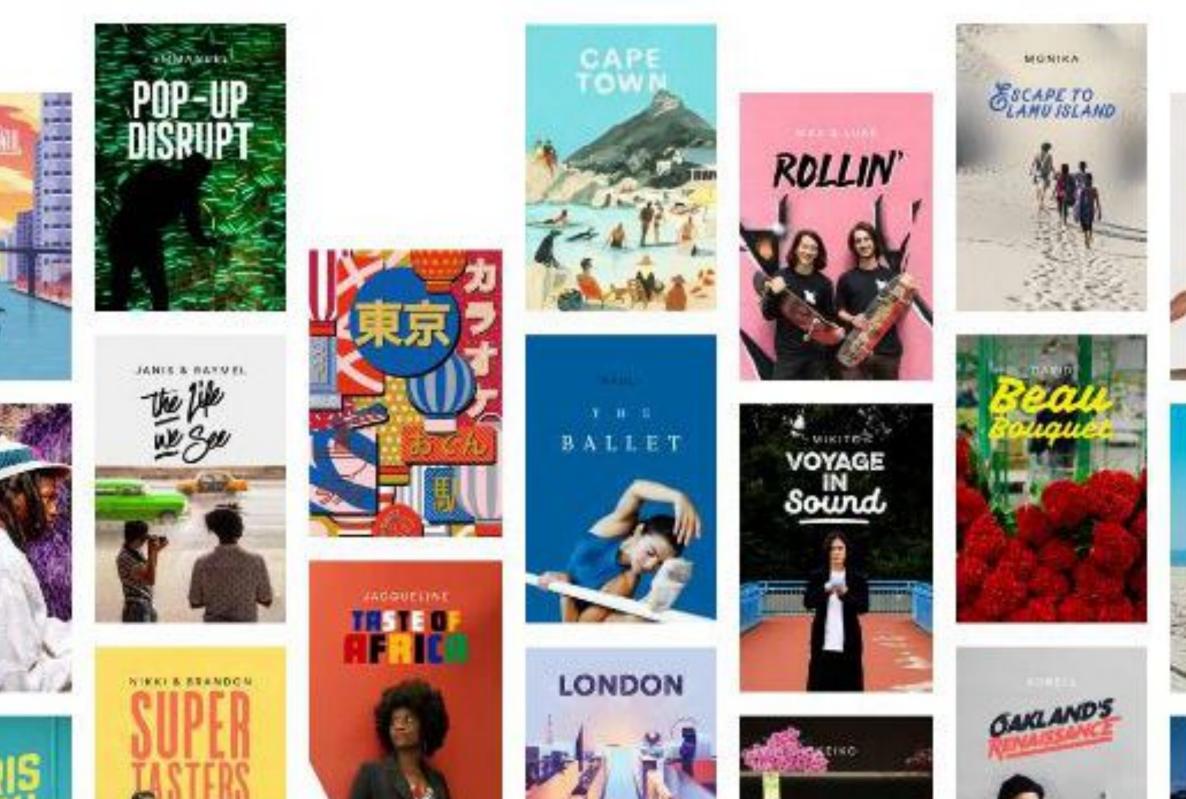








Welcome to the world of trips.

























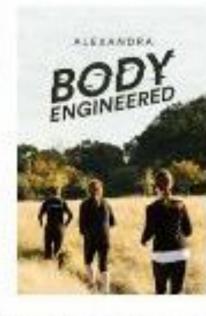




















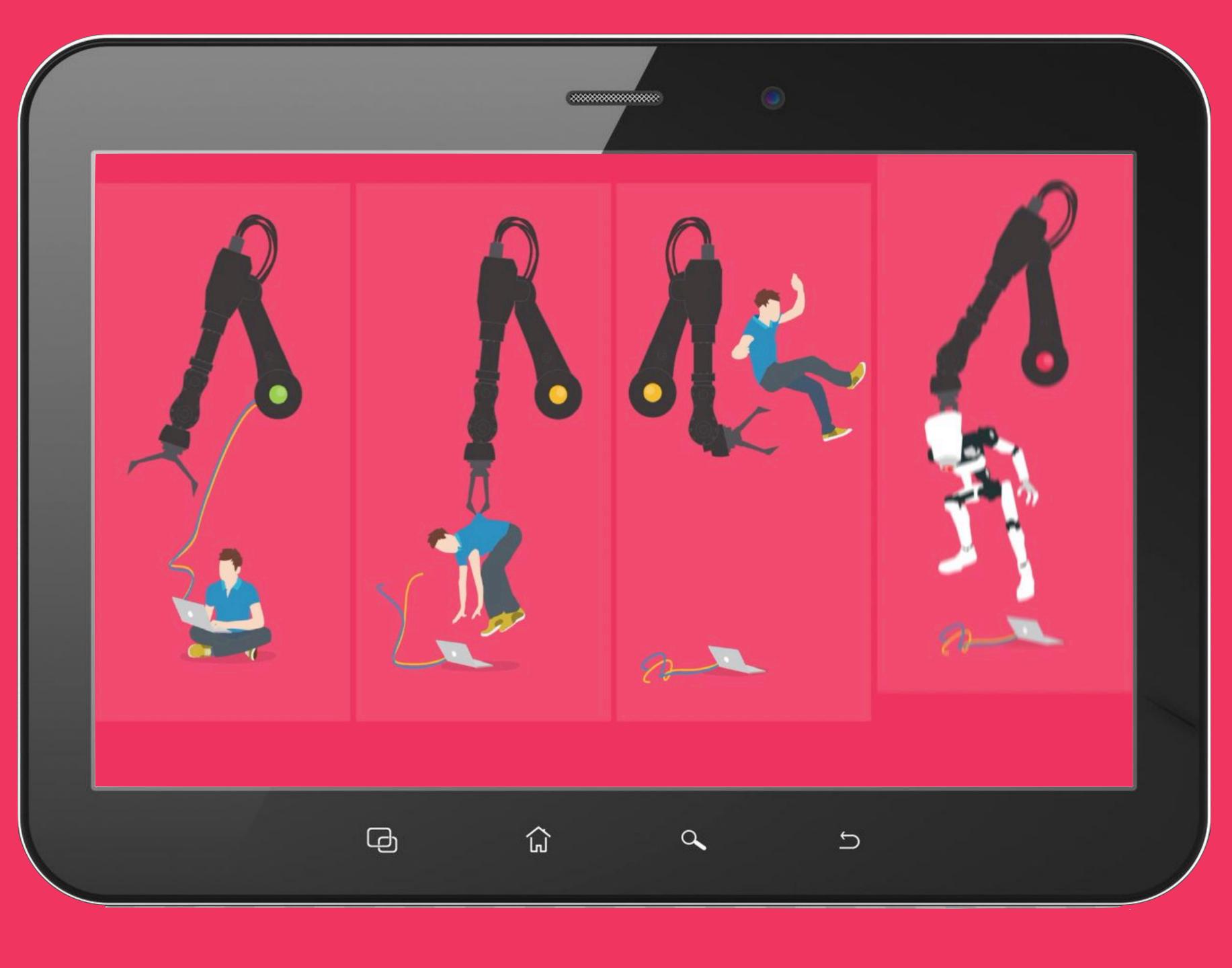






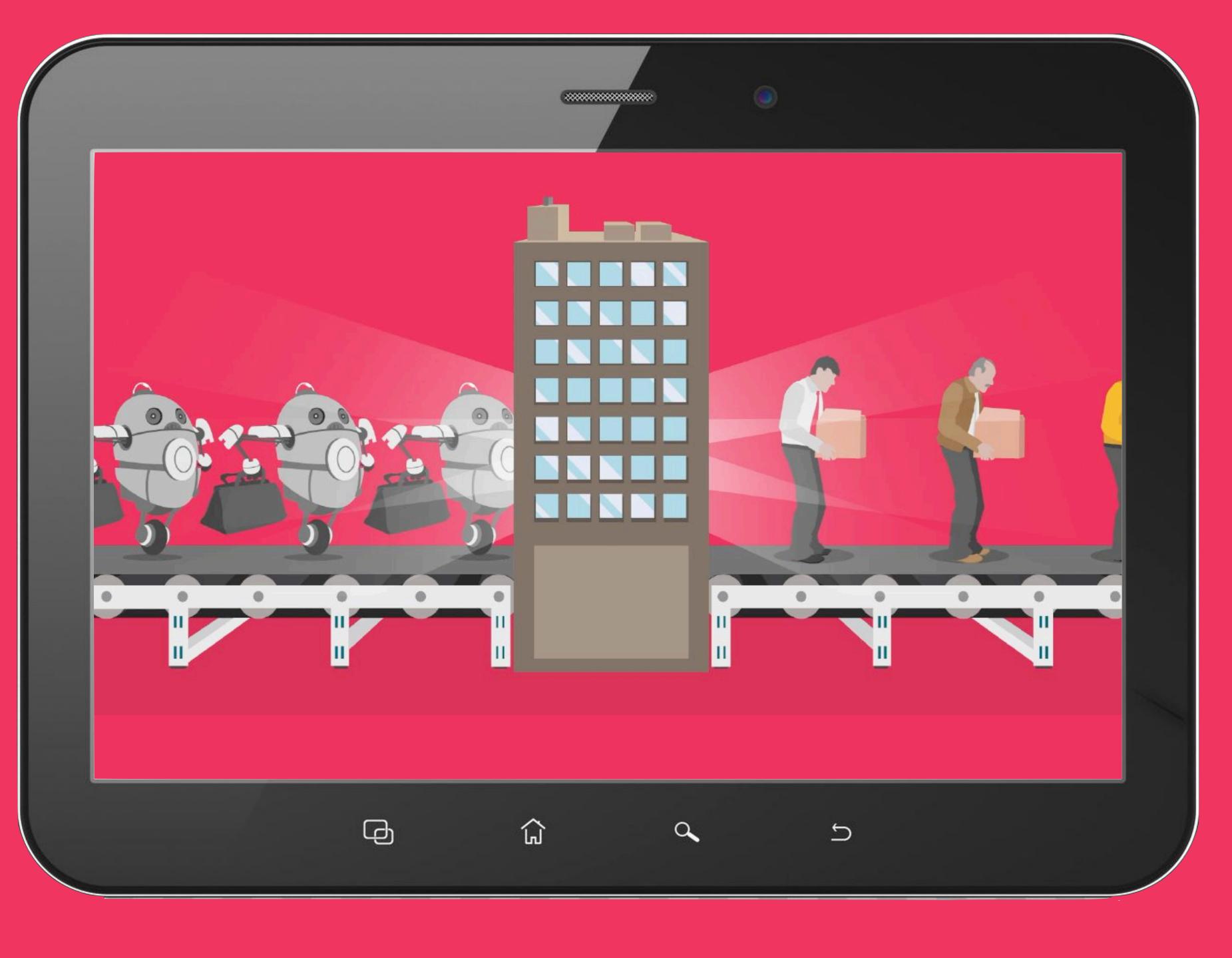
Procurement as we know it today will face away





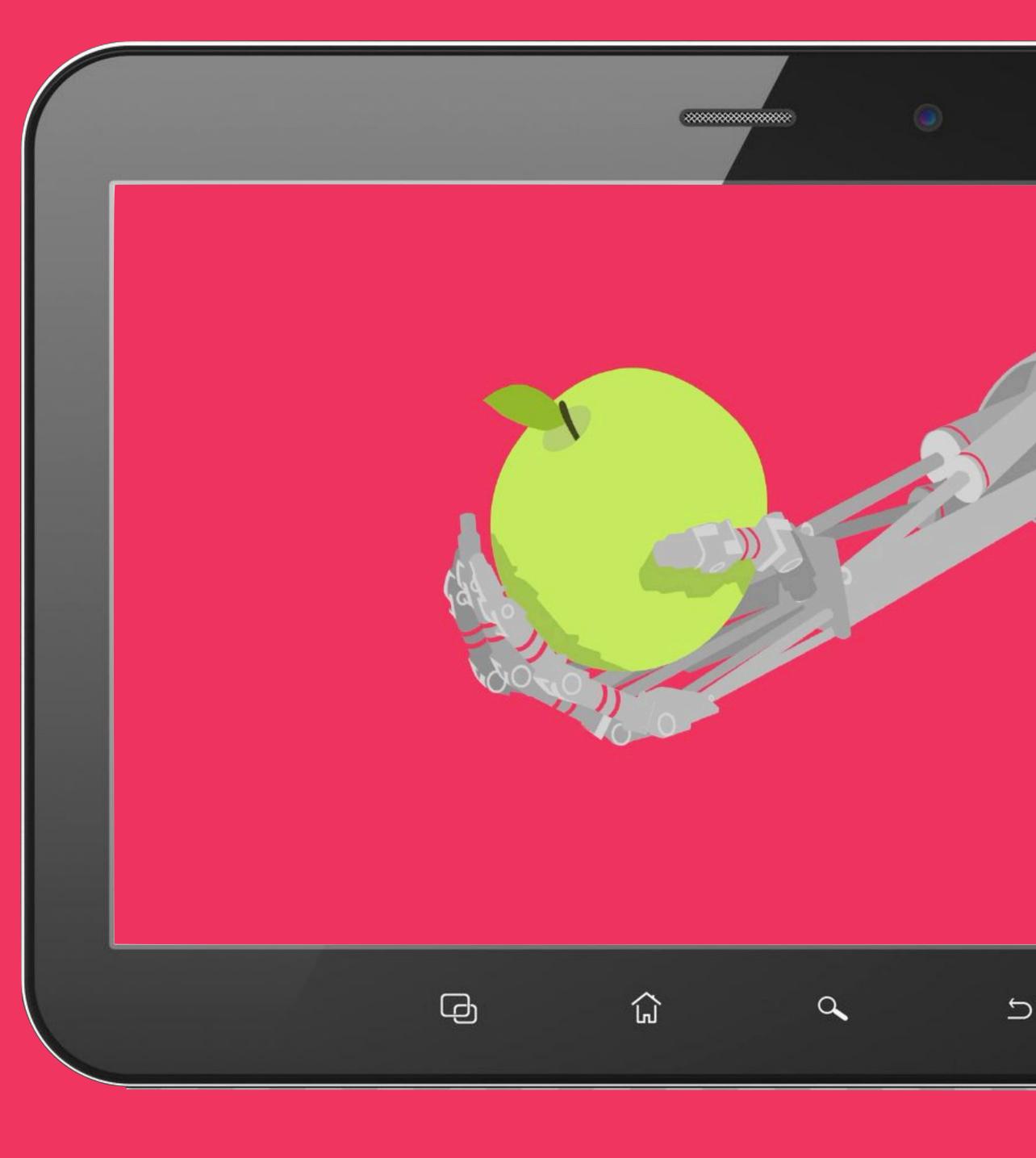
Procurement as we know it today will fade away



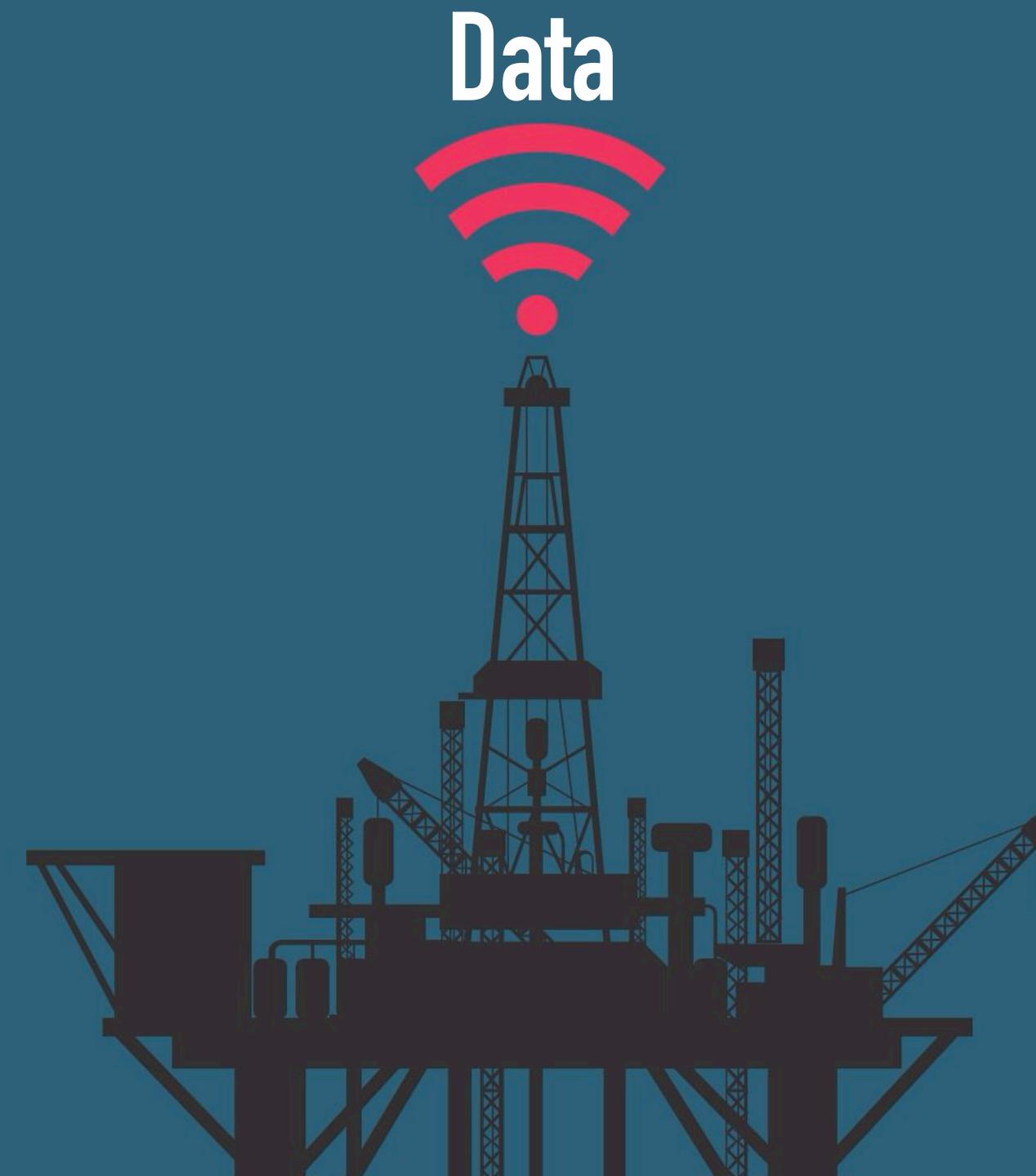


Procurement as we know it today will face away

















DNA SEQUENCE DATA

100%

All market

MICROBIOME & METABOLOMICS

00

100%

92%

HEALTH NUCLEUS

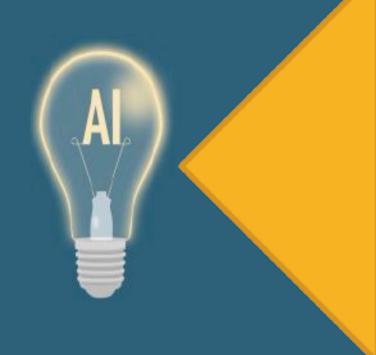


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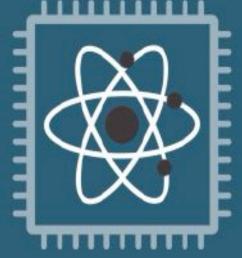






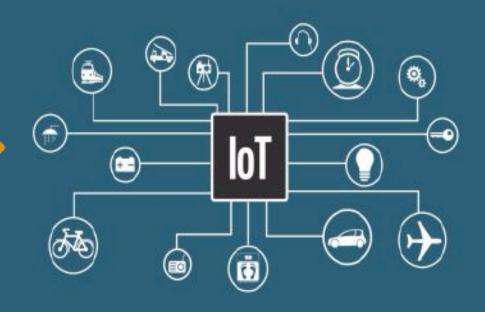












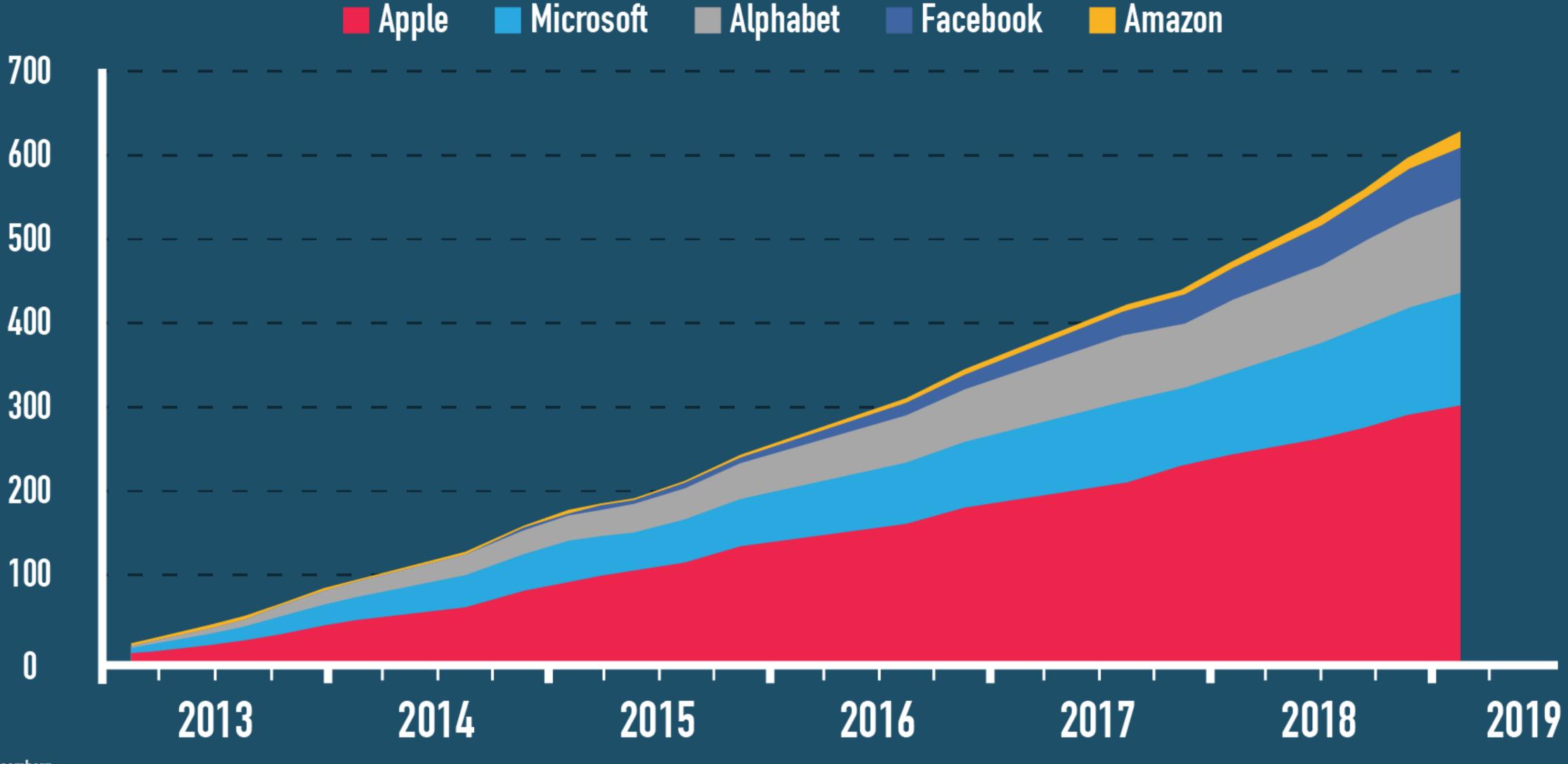


MAKE (BE) ANYTHING





REALLY BIG TECH CUMULATIVE PROFITS SINCE Q1 2013, \$bn



🗖 Microsoft 🛛 🗖 Alphabet 📄 Facebook 🔂 Amazon



MEDIA ENTERTAINMENT



TECHNOLOGY

TELECOM

BANKING FINANCIAL SERVICES

HEALTHCARE Pharma Medical



MEDIA ENTERTAINMENT

TRANSPORTATION MOBILITY

HEALTHCARE Pharma Medical

TELECOM

TECHNOLOGY

BANKING FINANCIAL SERVICES



The Future is better than we think...



... if you can make the leap into a new fishbowl!



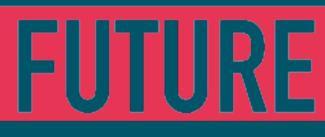






Move from hindsights to insights to FORESIGHTS (2)

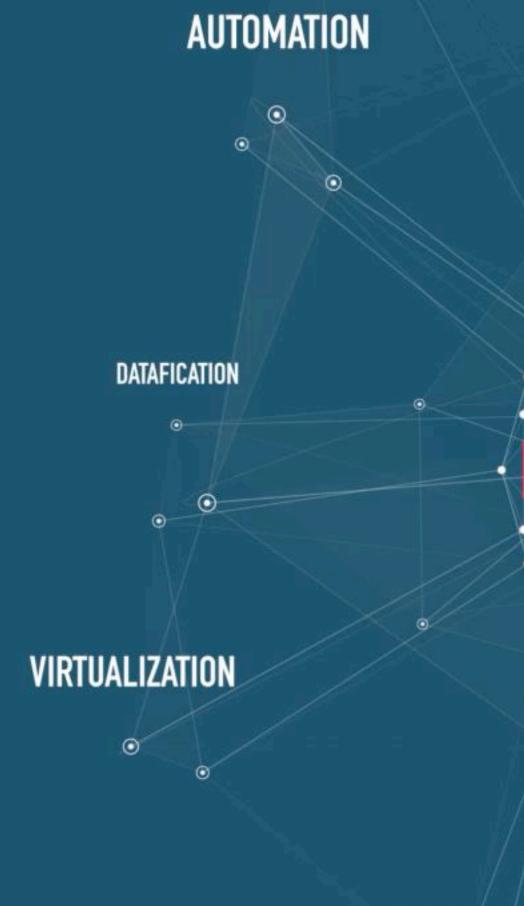








Understand and embrace the Megashifts



SIMULATION

0

Megashifts.digital

ROBOTIZATION

 \odot

PLATFORMIZATION

DISINTERMEDIATION

0

PERSONALIZATION

 \odot

AUGMENTATION

DIGITIZATION

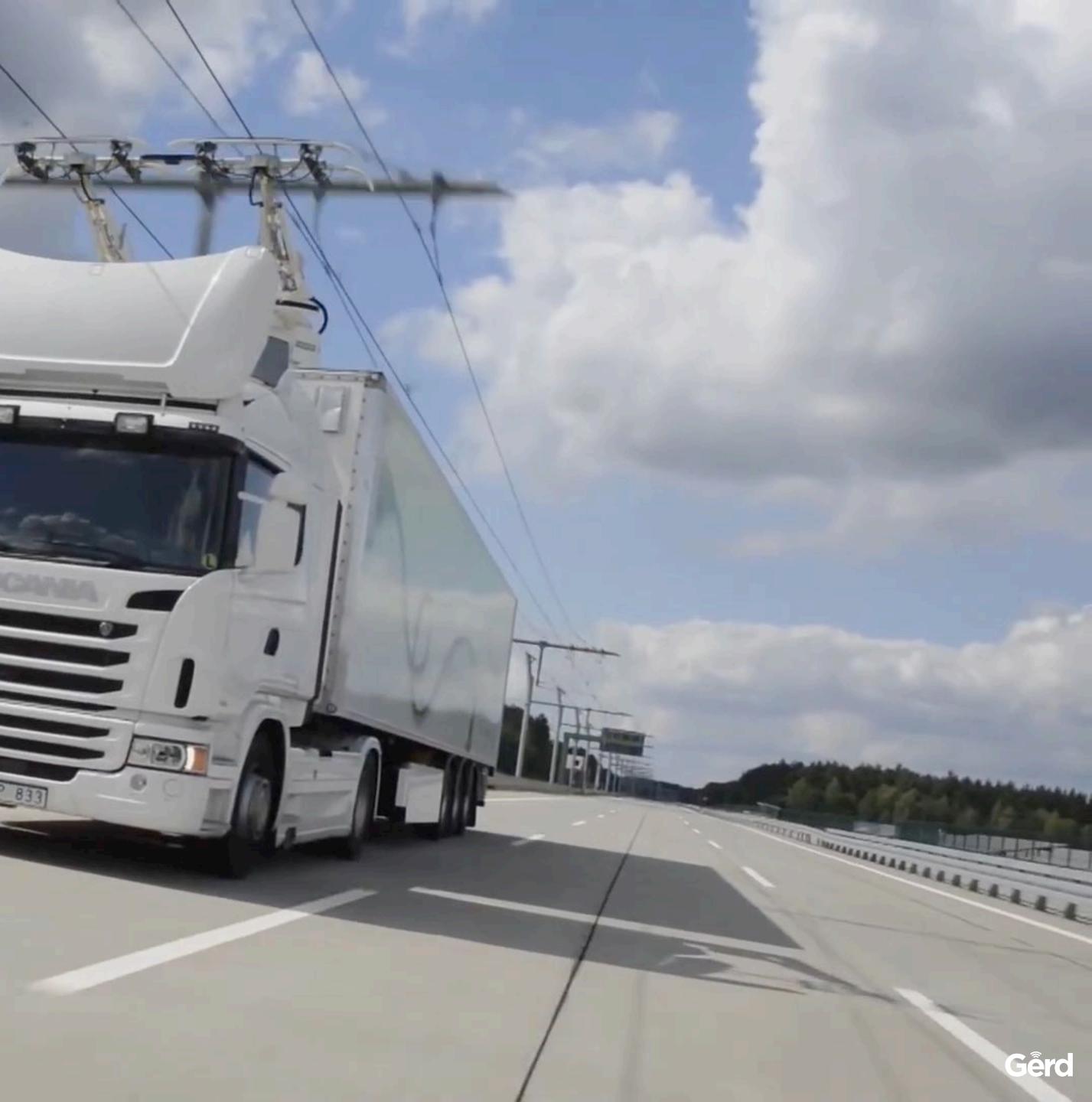
0

COGNIFICATION

0



SIEMENS eHIGHWAY



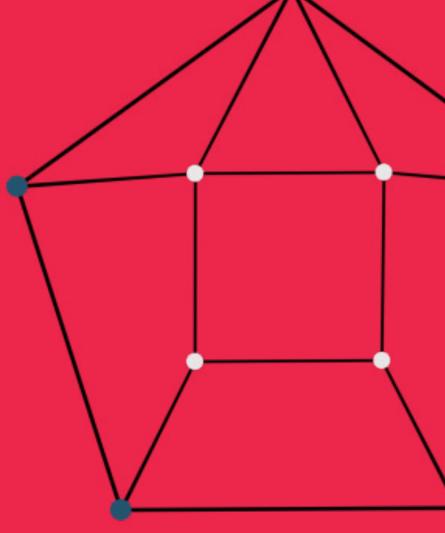
Immerse in the 3 "Future Principles"



EXPONENTIAL



CONVERGENT



COMBINATORIAL



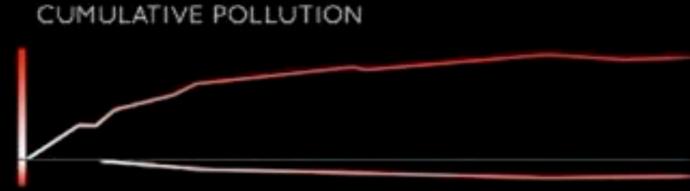


TECHNOLOGY Supply Chain, Procurement

CUMULATIVE POLLUTION

AVERAGE DELAY PER CAR

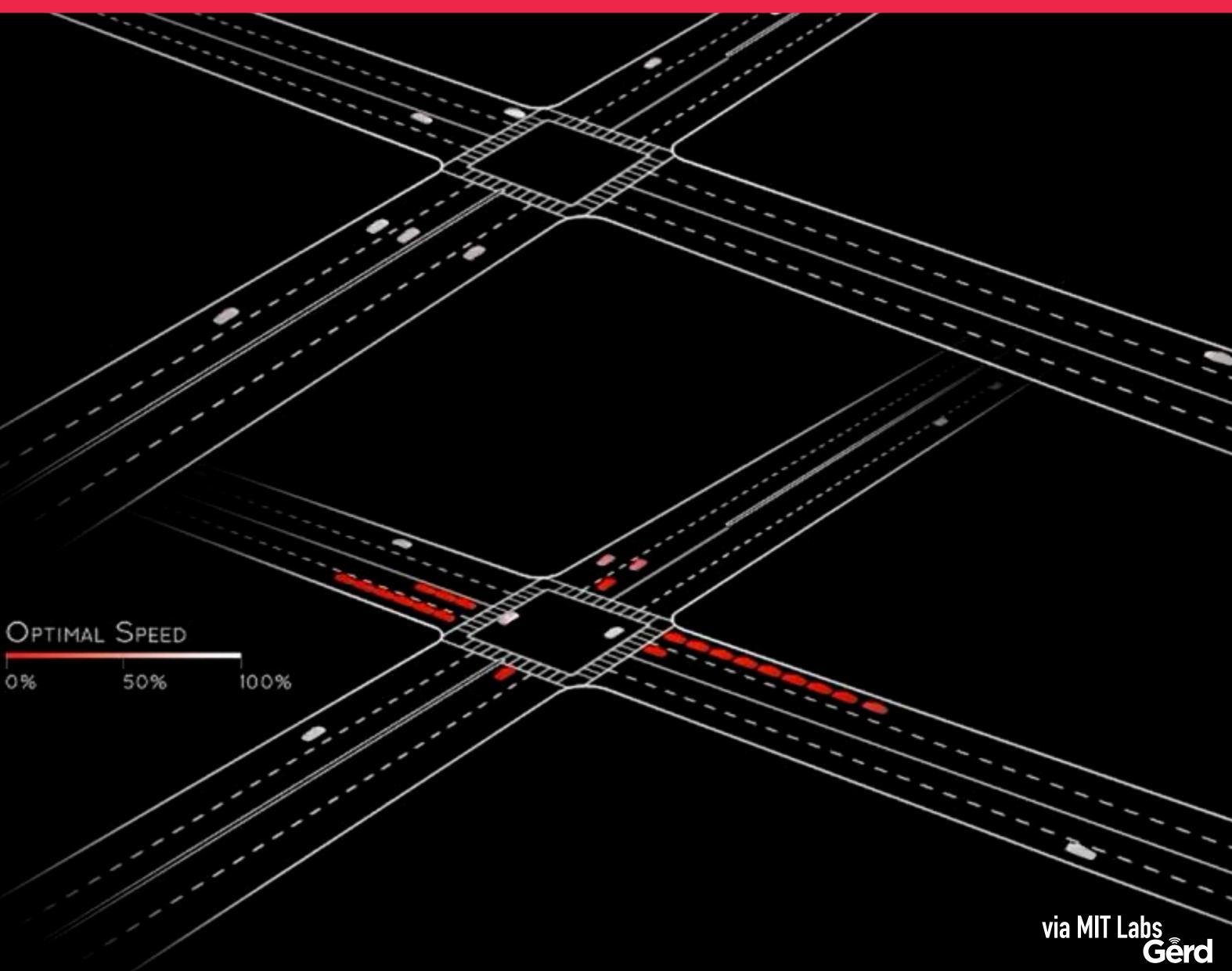
AUTONOMOUS INTERSECTION



50%

AVERAGE DELAY PER CAR

TRADITIONAL INTERSECTION





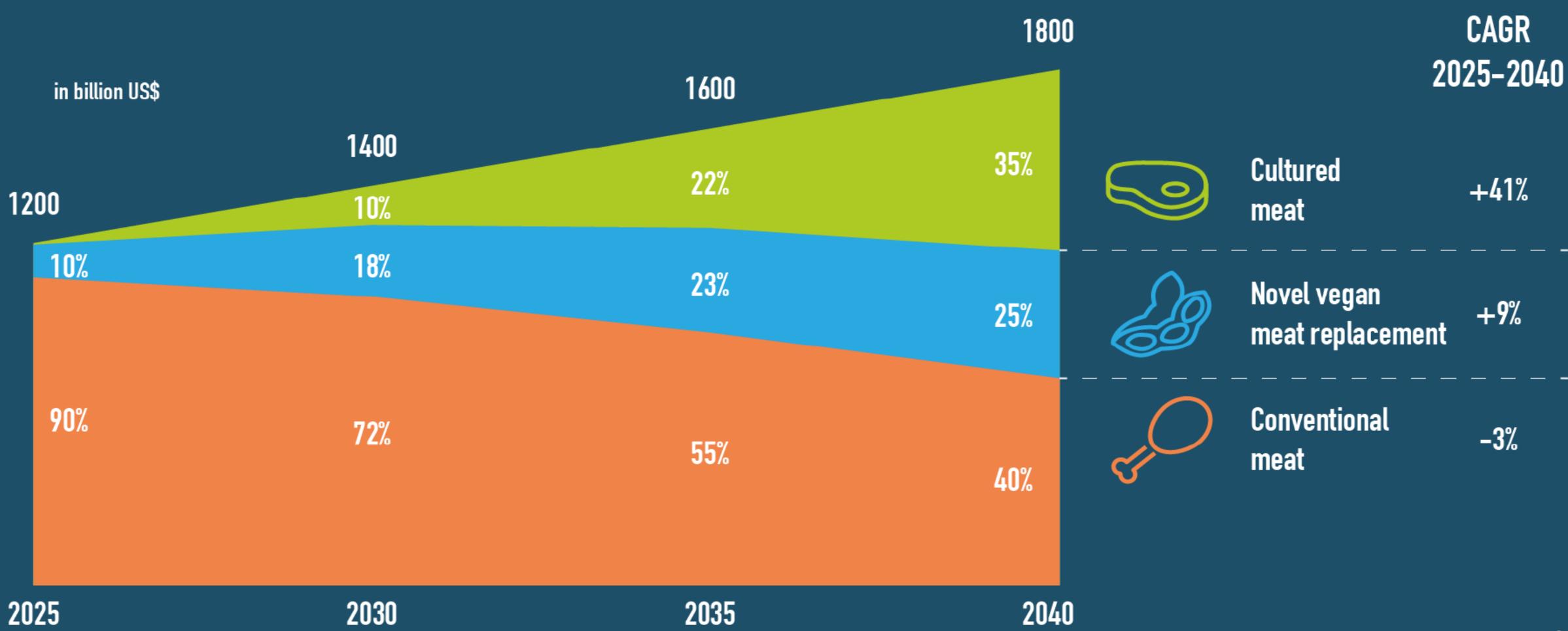
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Science fiction is becoming science fact: FORESIGHT IS CRITICAL





Science fiction is becoming science fact: FORESIGHT IS CRITICAL **GLOBAL MEAT CONSUMPTION**



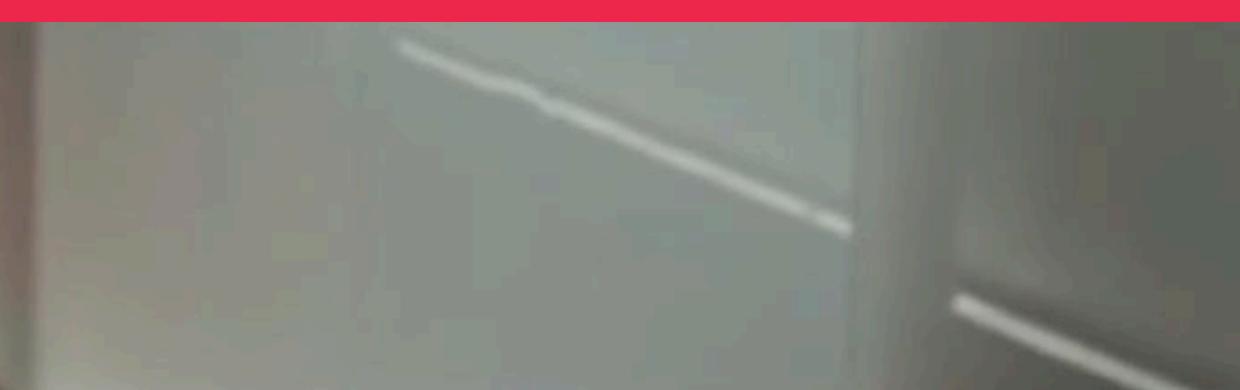
Source: United Nations, World Bank, Expert interviews; A.T. Kearney analysis



"We are least aware of what our minds do best. The most difficult things for machines to emulate are those that are unconscious" (Moravec, Minsky et al)



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



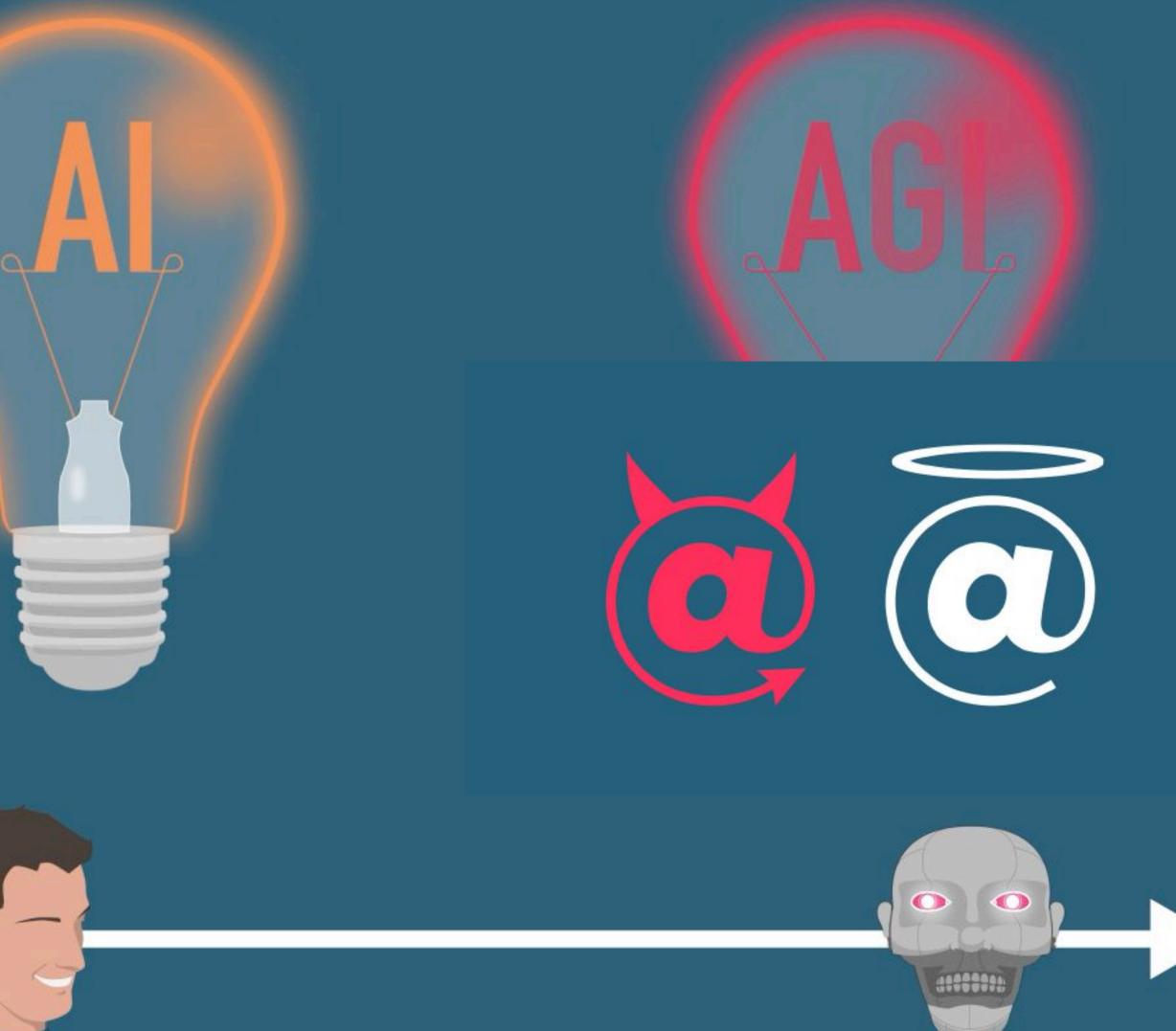


"Never mistake a clear view for a short distance" Paul Saffo



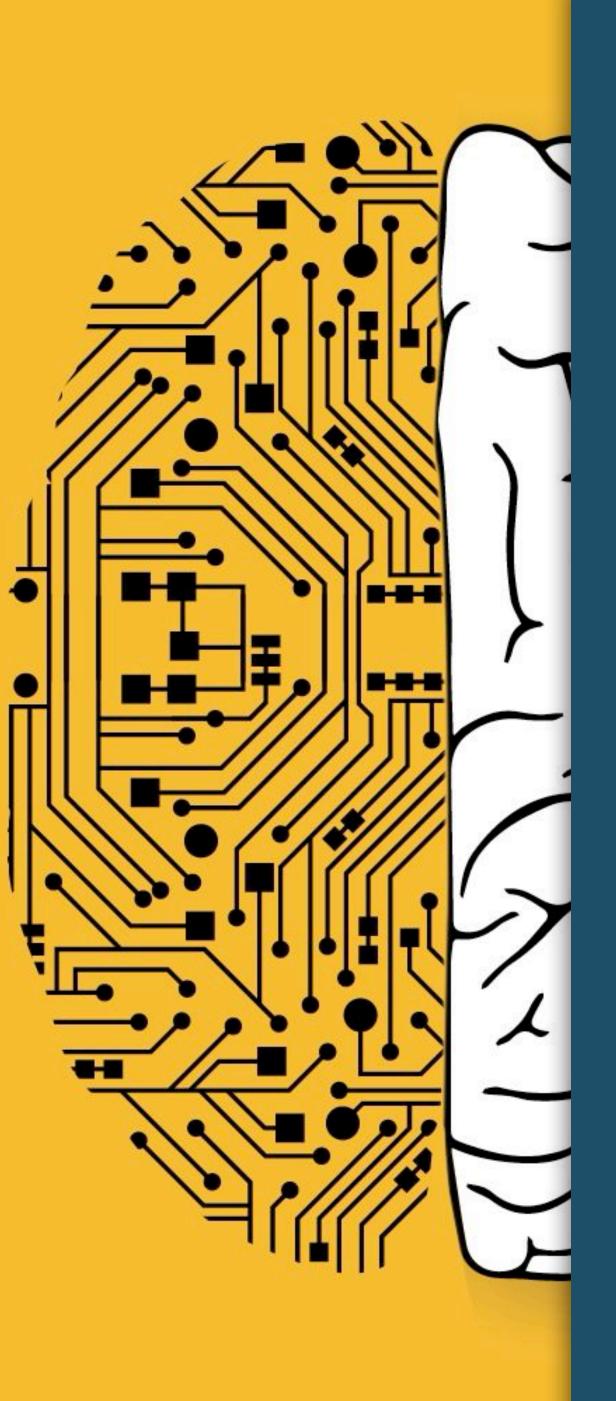
Right now, it's all about Intelligent Assistance (IA), not Al







Gễrd



ARTIFICIAL INTELLIGENCE UPTAKE IN SUPPLY CHAIN MANAGEMENT PERCENTAGE OF COMPANIES IN THE FOLLOWING SECTORS THAT HAVE ADOPTED AI

Retail
Telecommunicat
High tech
Healthcare
Professional ser
Travel, transport
Electric power a
Pharmaceutical
Automotive and
Financial servic

tions	
rvices	
t and logistics	
and notural resources	
and natural resources	
s and medical products	
assembly	
es	





















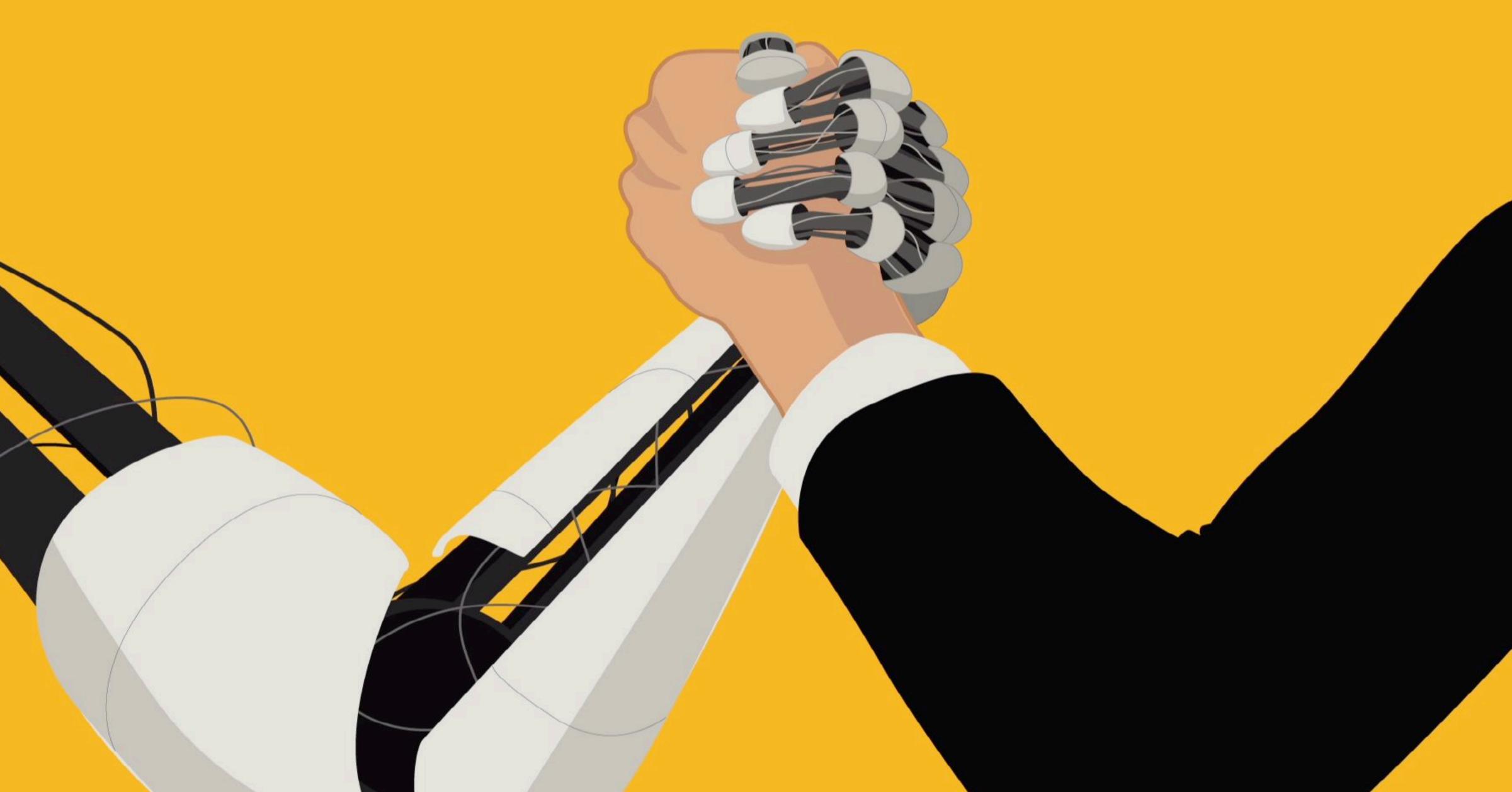


Al in procurement: humans need to stay in the loop where it REALLY MATTERS (the black box challenge)



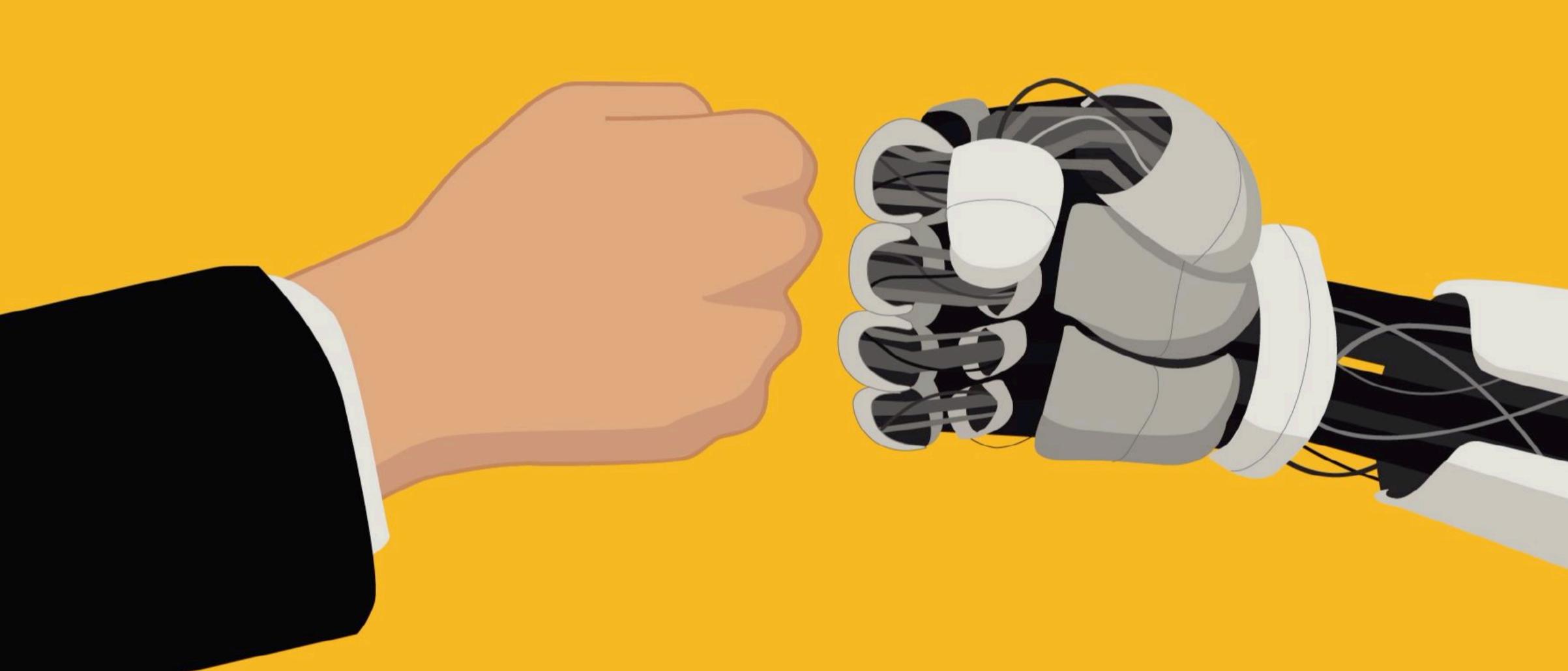


Humans and/with/versus machines: Striking the right BALANCE is crucial





Humans and/with/versus machines: Striking the right BALANCE is crucial

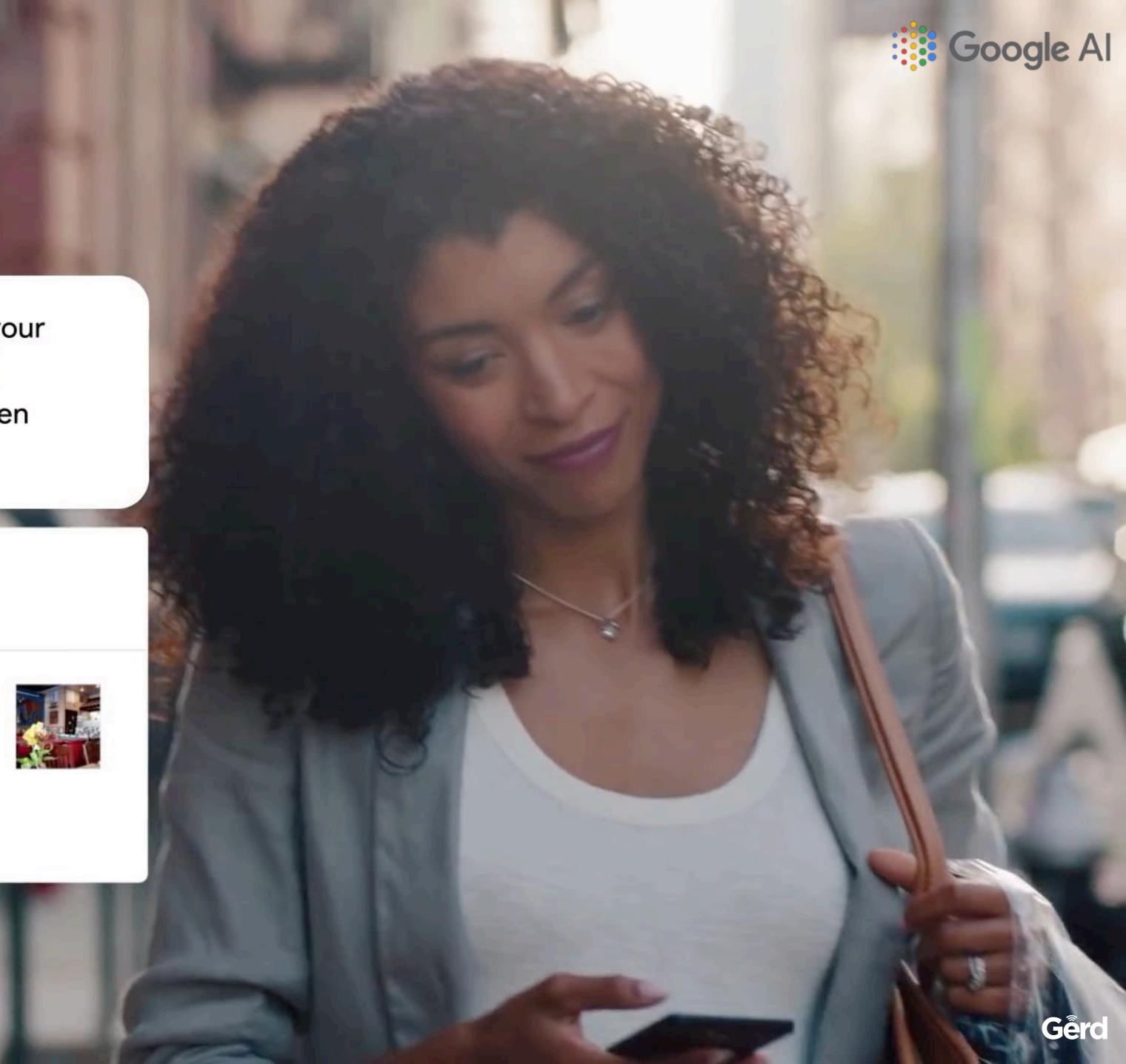






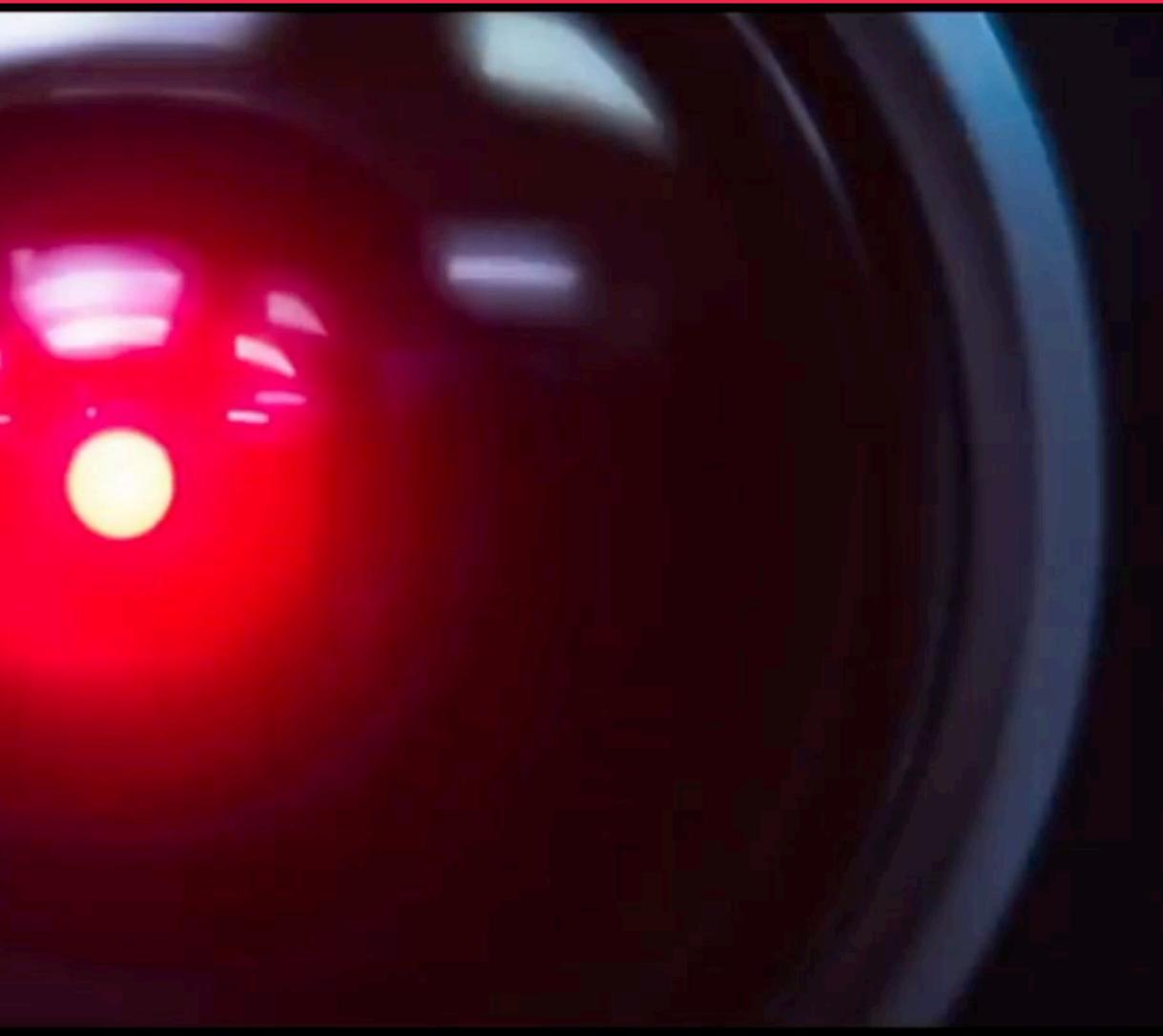






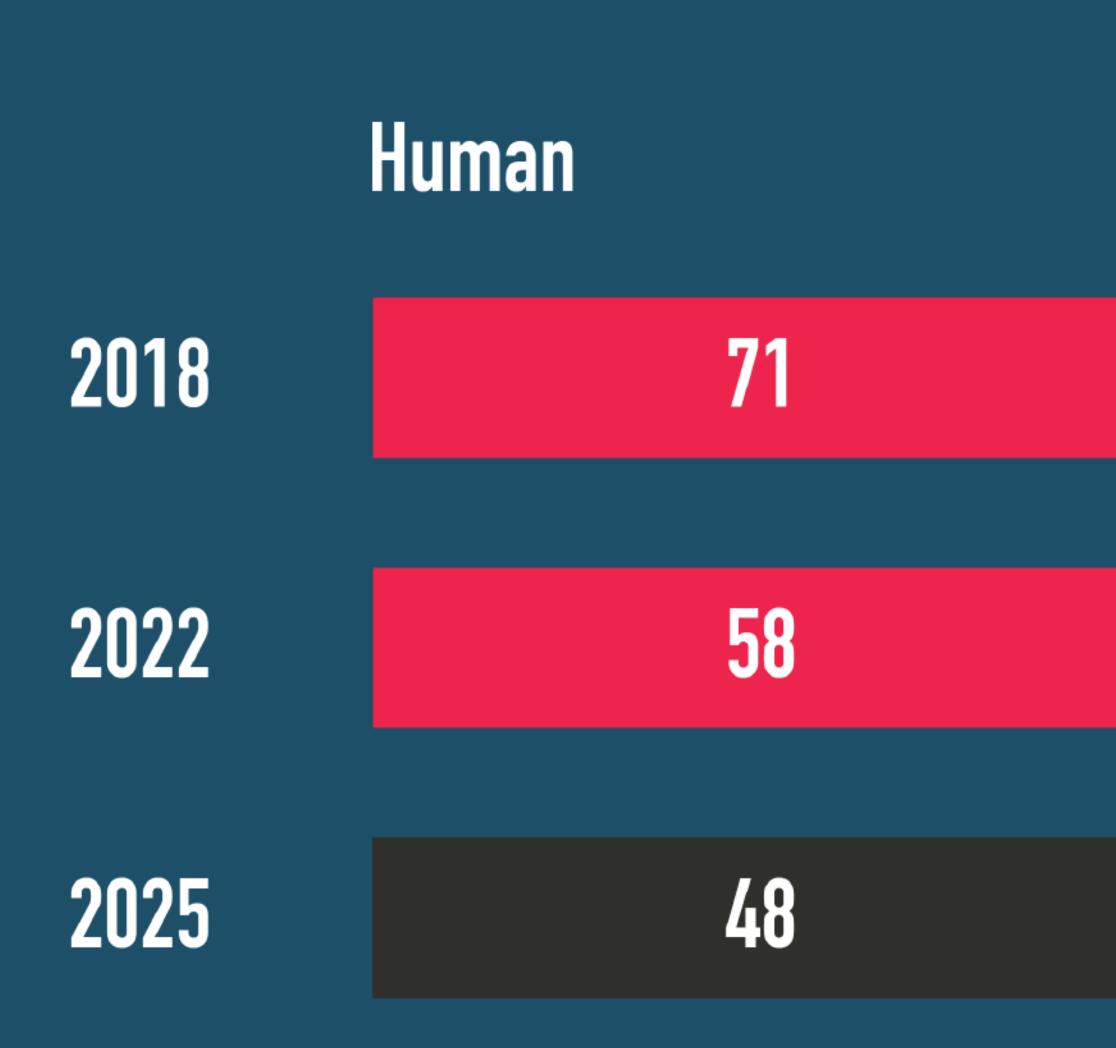
... so who is going to build the first 'Procure-Bot'?

SEQUENCES SHORTENED AND SIMULATED





MACHINES WILL INCREASINGLY DO THE ROUTINE WORK



Source: World Economic Forum







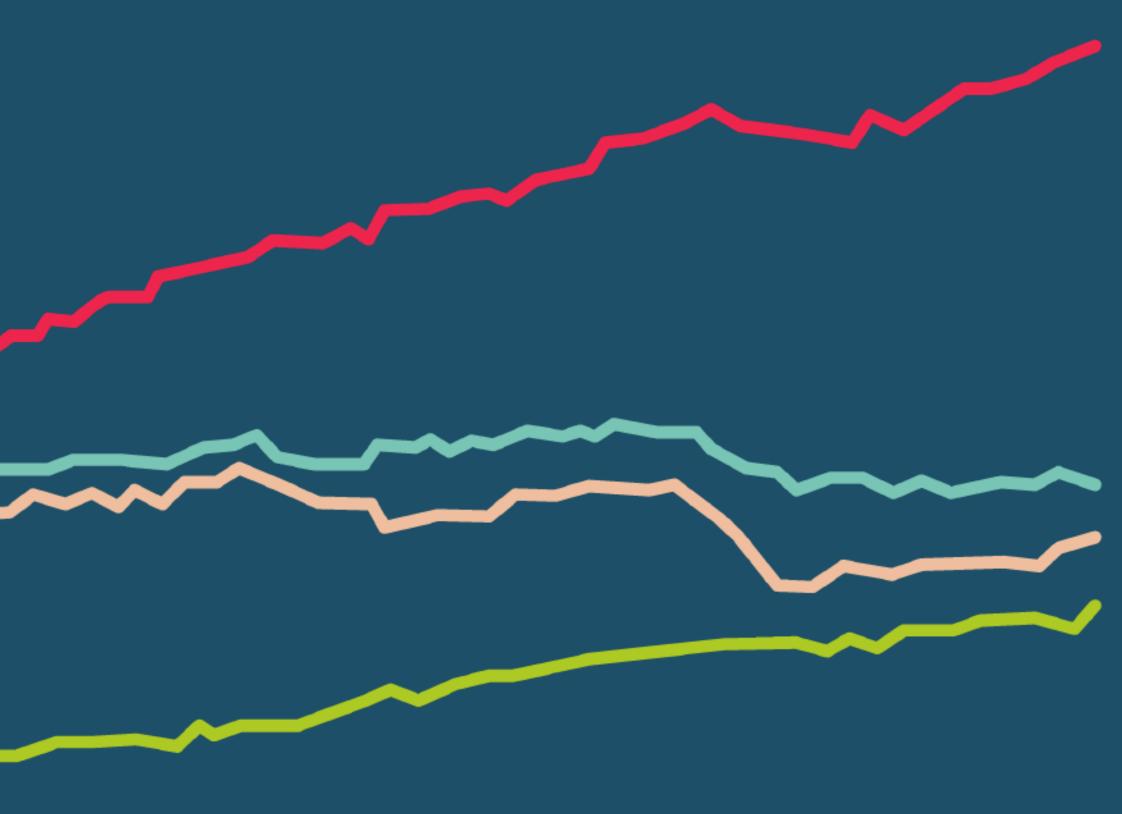




NON-ROUTINE WORK IS THE FUTURE!

60m 50m 40m 30m 20m

Non-routine cognitive **Routine cognitive Routine manual** Non-routine manual 10m 1983 1990













PASSION

IMAGINATION



PURPOSE

CURIOSITY

FORESIGHT

CRITICAL THINKING



0



Science Technology Engineering Mathematics

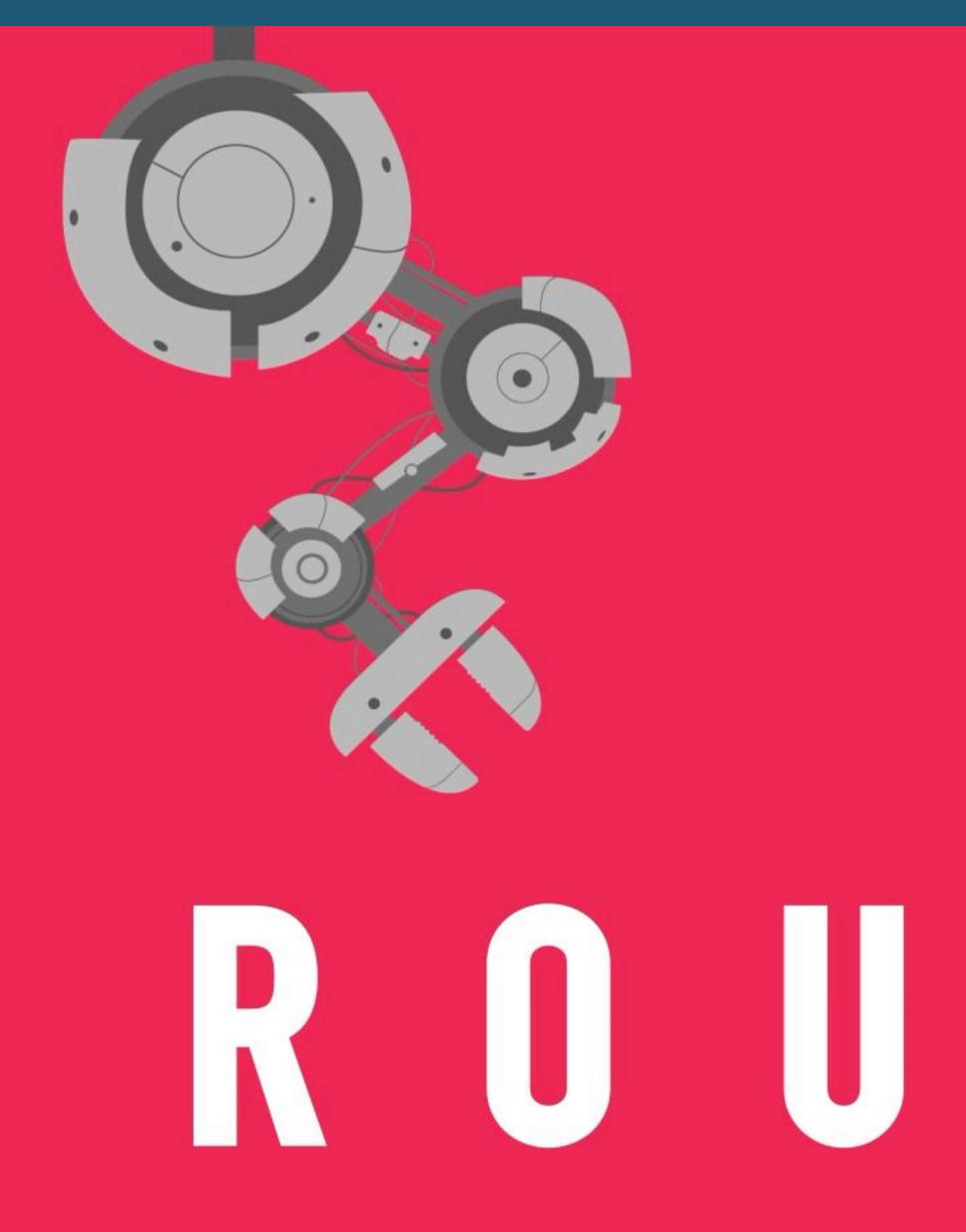
Ethics Creativity Magination

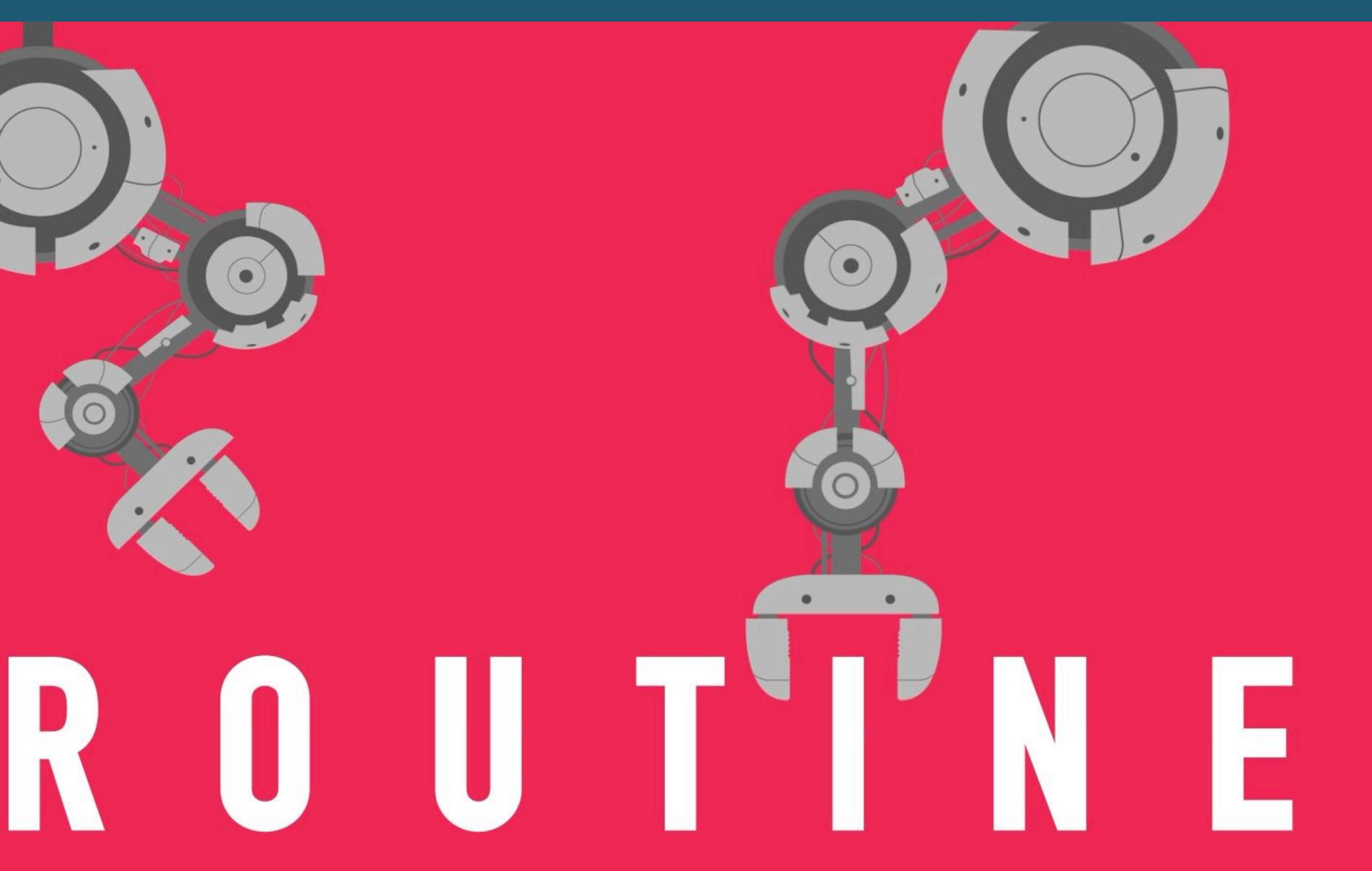






The end of Routine is nearing, but it's NOT the end of Human Work !











Information and (some) knowledge* will be commoditised: move up the food-chain!



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









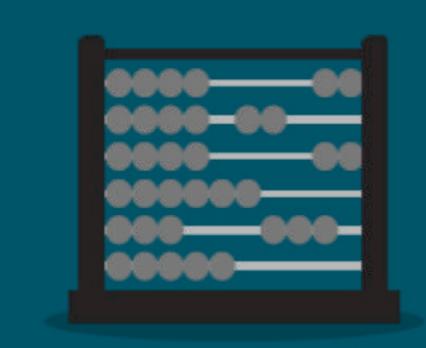


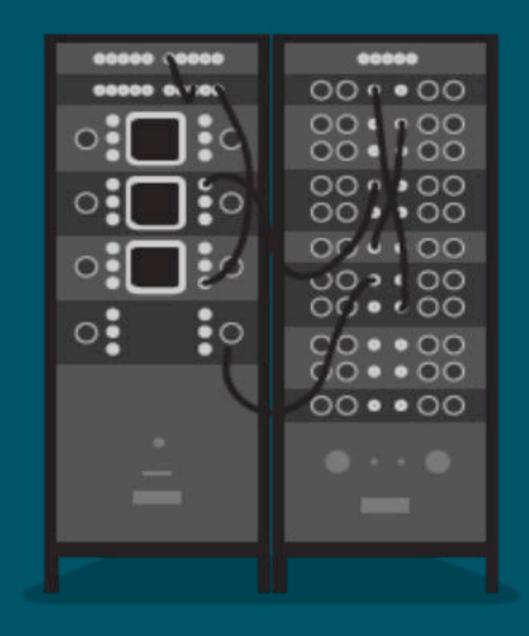






Artificial Intelligence: Computer systems that turn information and data into KNOWLEDGE (Demis Hassabis @ DeepMind)





Tabulating Systems Era

1900







Programmable Systems Era

Cognitive Systems Era







Gerd

Tacit Knowledge? mplicit Knowledge? Intuition & Imagination ? Consciousness/Agency ? Mistakes?

1700

1720



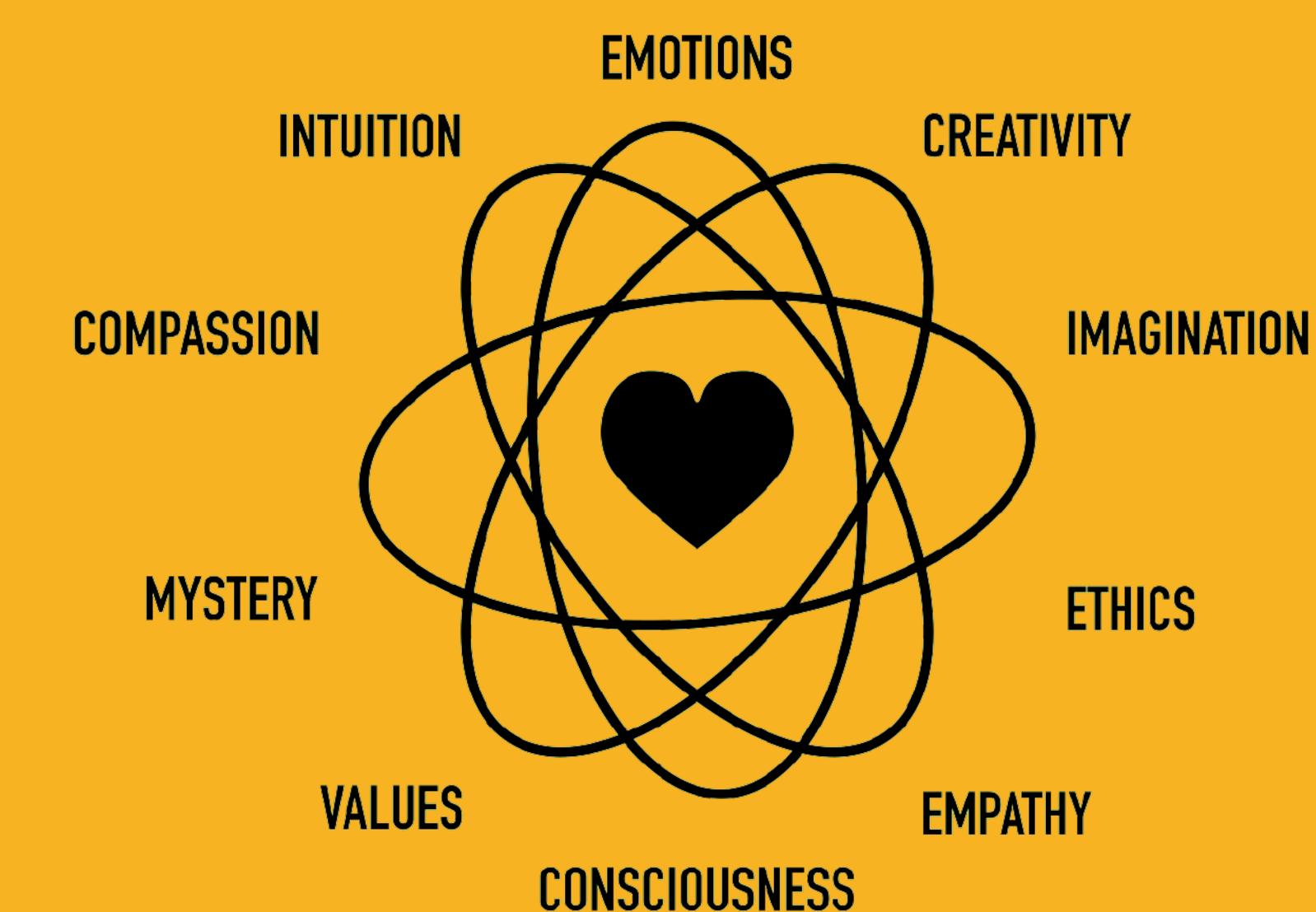
Cognitive Systems Era







Anything that CANNOT be digitised, or automated, becomes extremely valuable

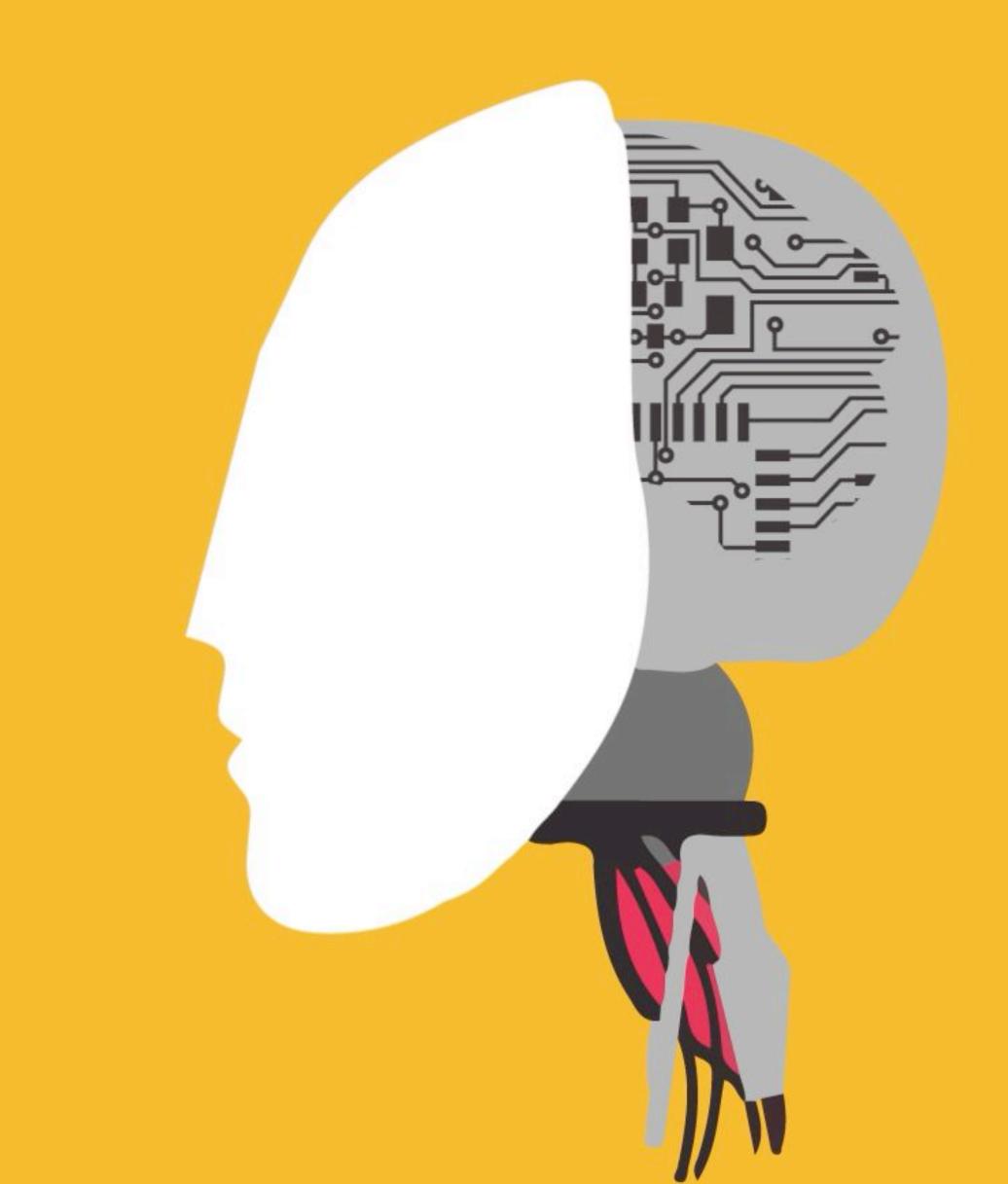






Being truly HUMAN is your ultimate career move



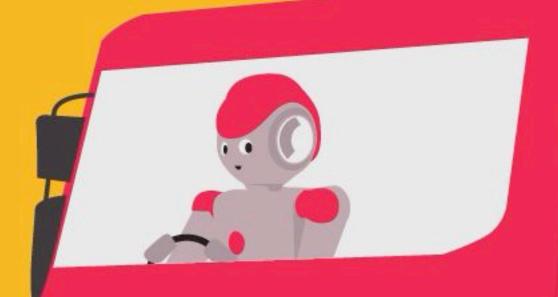






As our world goes totally digital, it will be our humanity and our purpose that defines us, not our technology





USELESS HUMANS



Expect dramatic, global and mandatory environmental adaptation and mitigation requirements

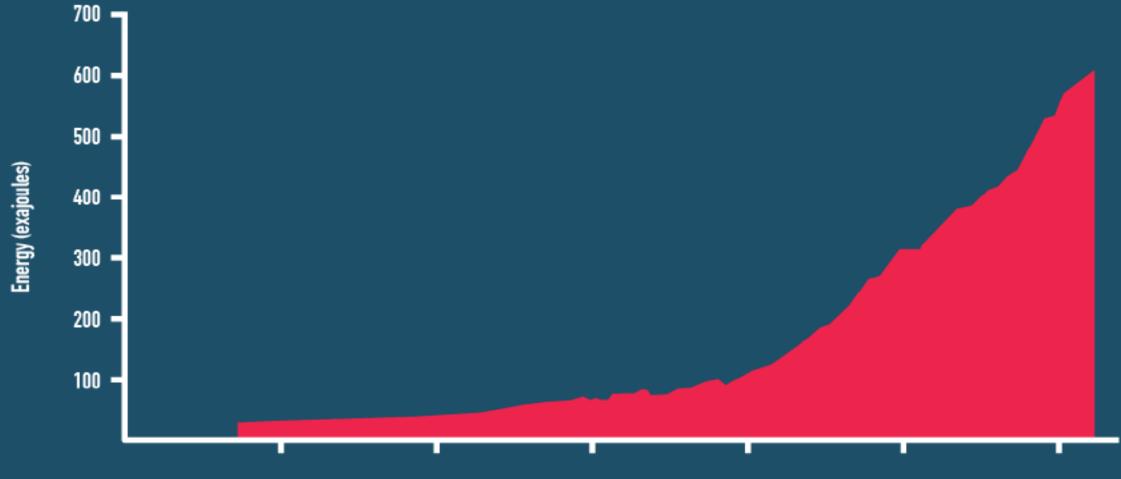


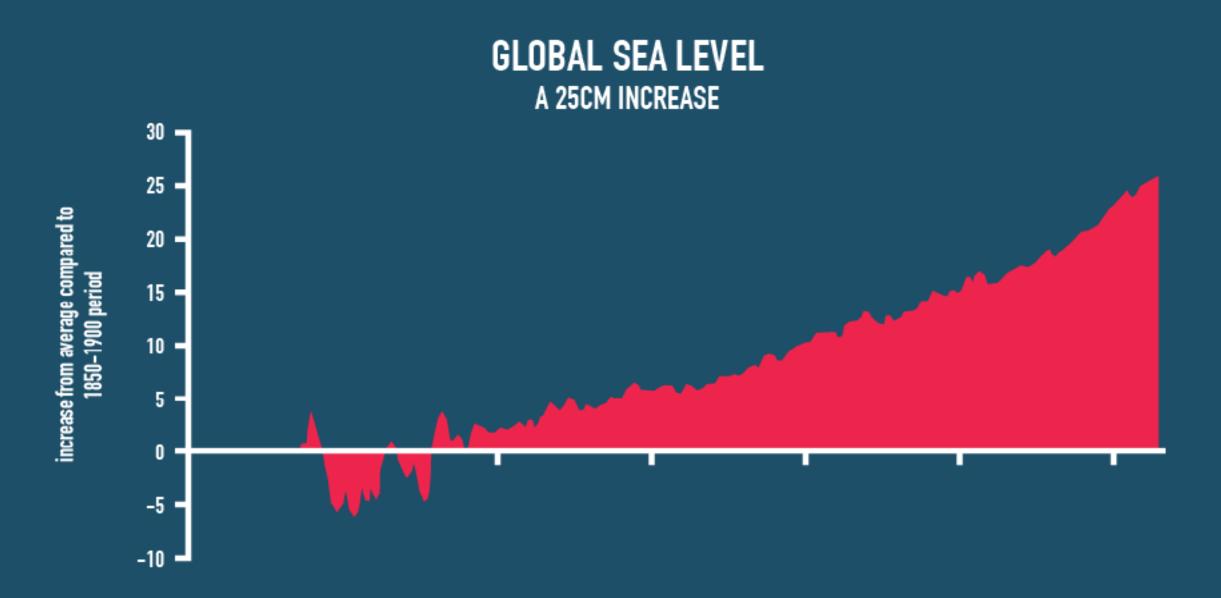


Gêrd

Outmoded and unsustainable 'industrial society' economic logic: procurement needs to lead the change

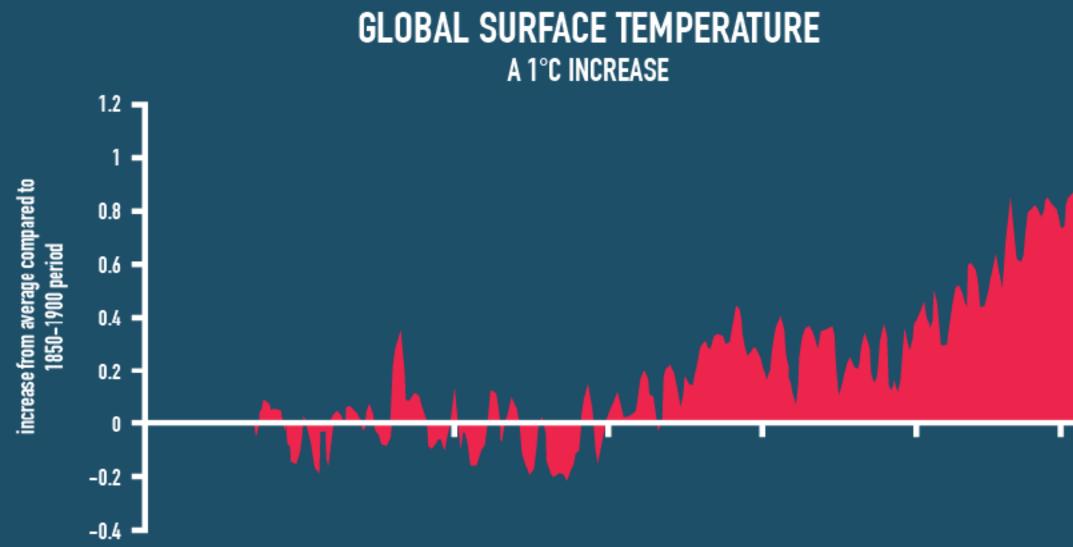






GLOBAL GDP A HUNDRED-FOLD INCREASE









Sustainable Capitalism PLANET

PEOPLE





Ø

PURPOSE



"GNP (GDP) measures everything except that which makes life worthwhile" **Senator Robert F. Kennedy**

March 18 1968



Gêrd

The 3 principles of SUSTAINABLE PROCUREMENT



HOLISTIC



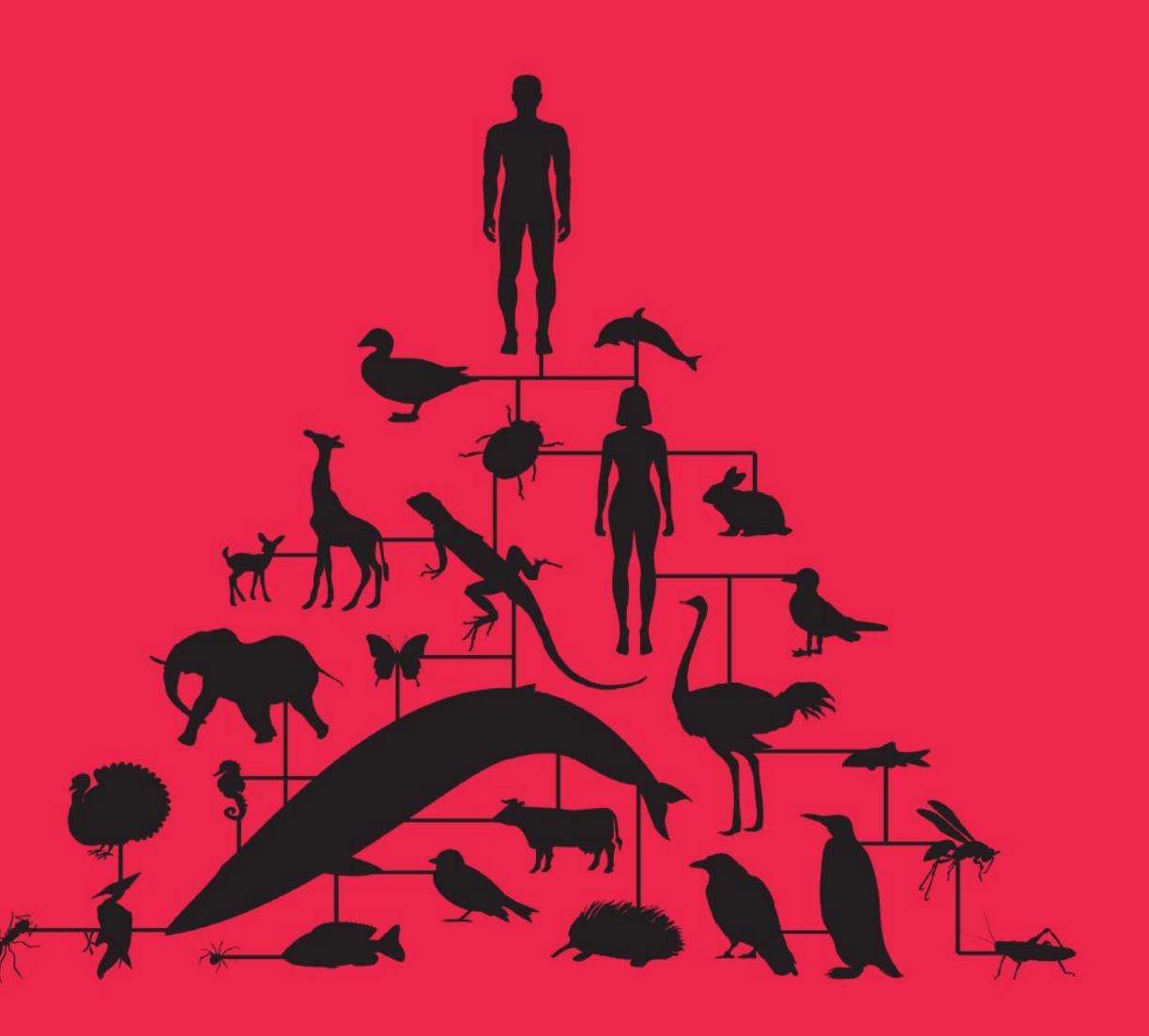
CIRCULAR







From EGOsystems...



...to ECOsystems







BUILD FUTURE-READY ECOSYSTEMS!



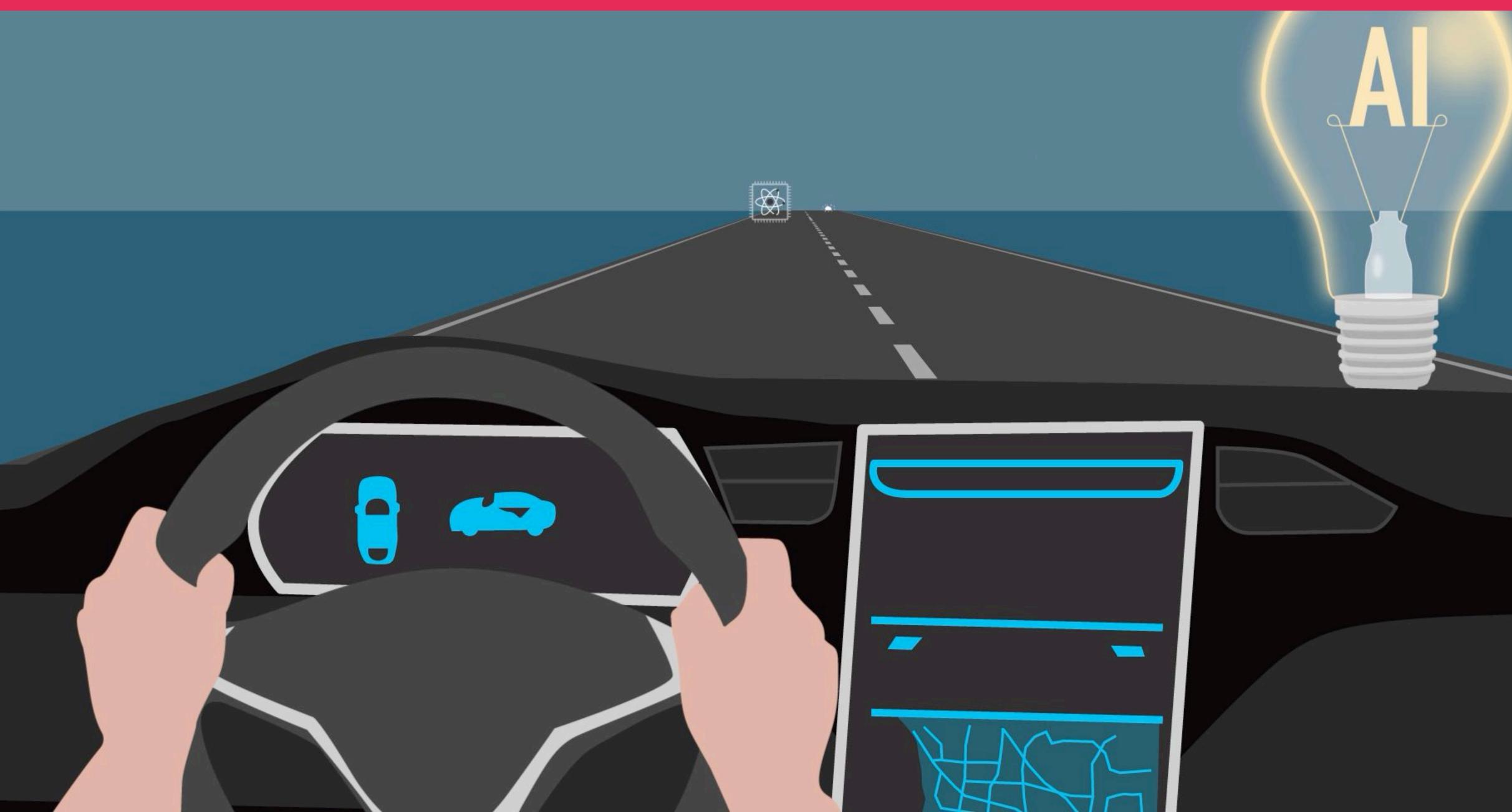


Hyper-Collaborative & Networked **Open APIs 3rd party applications** Freelancers / Gig Economy **Unprecedented Transparency** Supplier 'Panopticon'



Gerd

Start navigating the Game-Changers: take care of what is, AND imagine WHAT MIGHT BE!







G^êrd



PROCRUREMENT

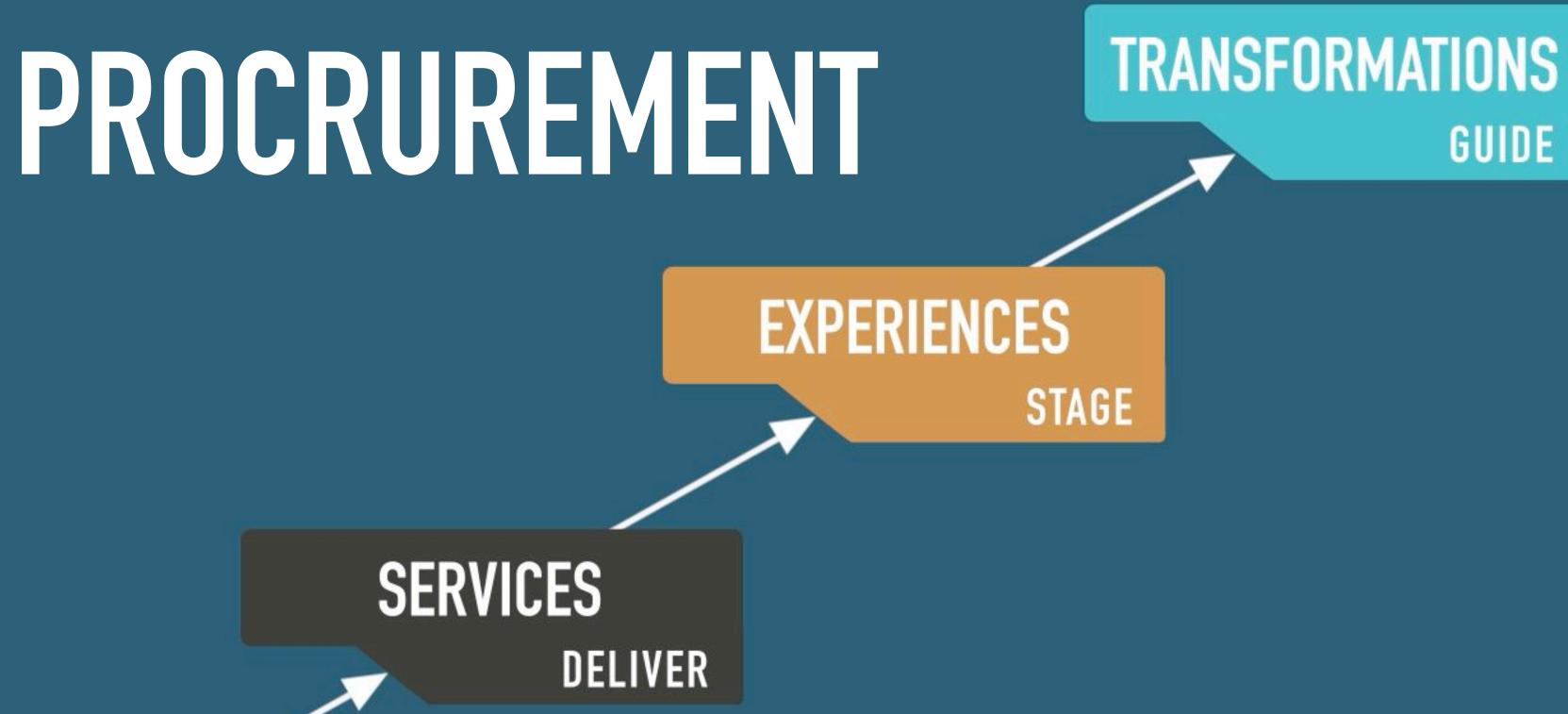
GOODS

MAKE

COMMODITIES

EXTRACT

Pine & Gilmore 1999





Gerd



techvshuman.com

gerd.cloud

- gerdtube.com

@gleonhard

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