The Future is already here - we just have to pay more attention!



Humanity will change more in the next 20 years than in the previous 300 years



Some things may take much longer than we think, but when they finally happen they are more impactful than we ever imagined



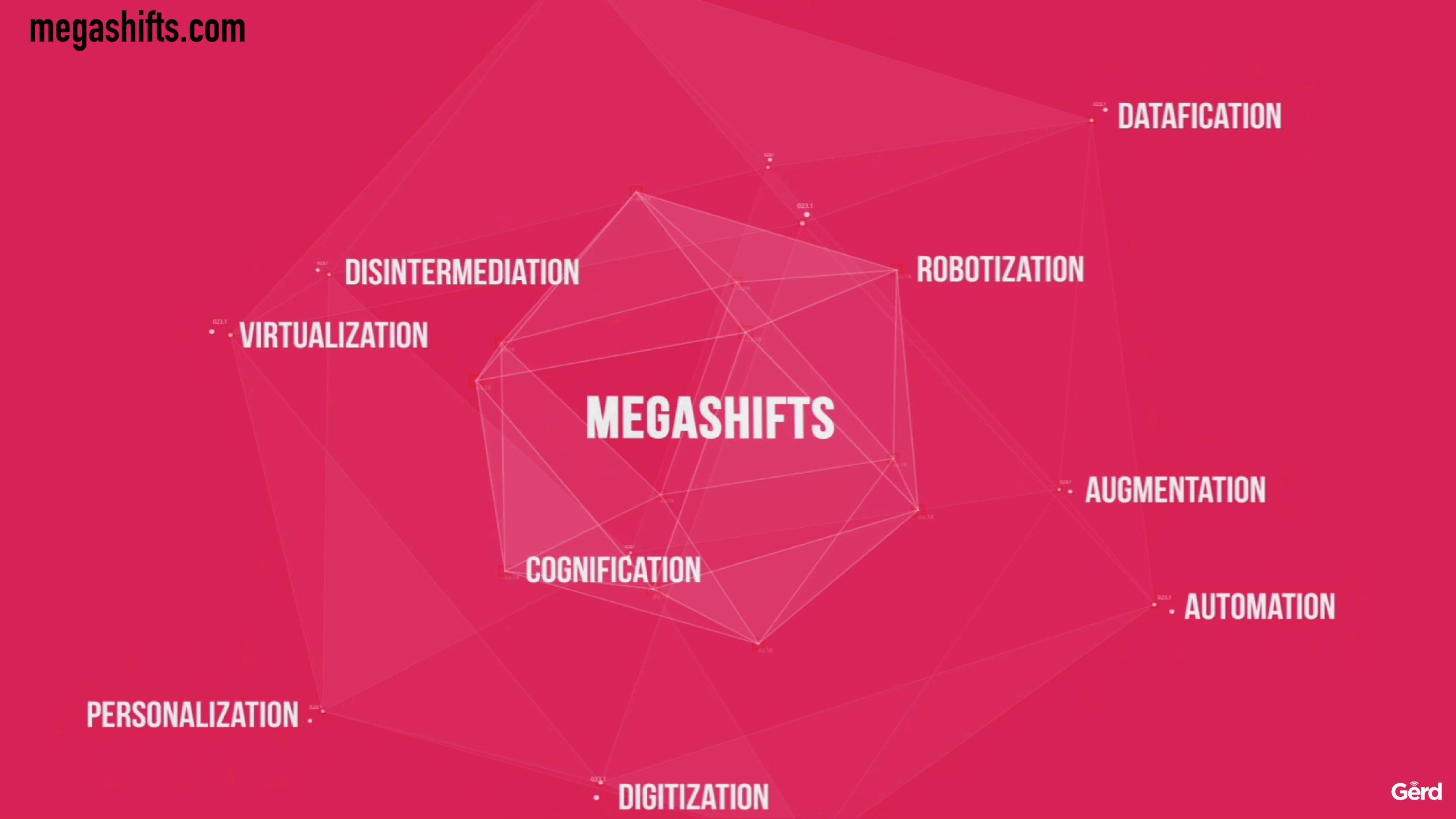
90% opportunity 10% threat But: linear thinking will be UEIKIMENIAL

Quantum Computing Leaps in Material Sciences AR / Virtual Reality / MR Smart-everything & Al The Internet of Things

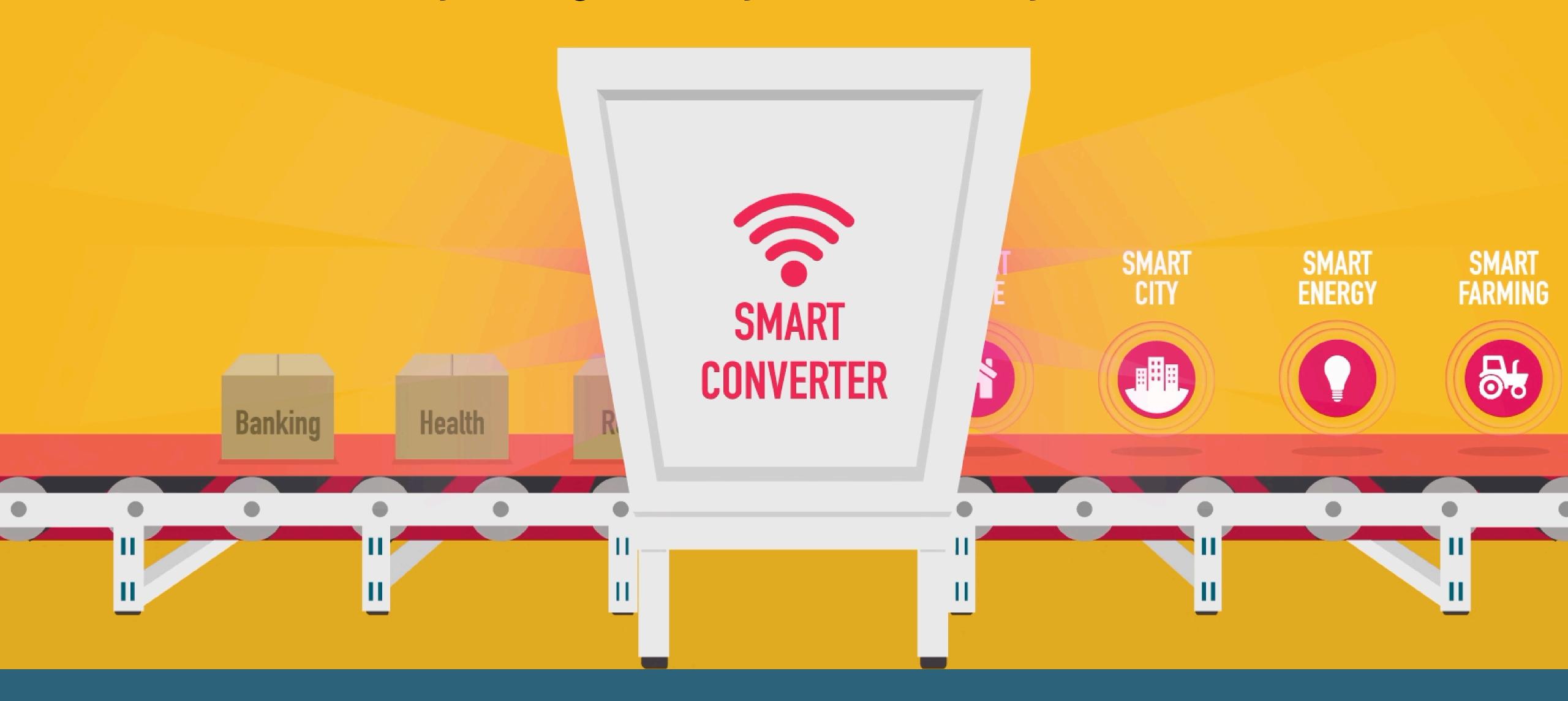
Big^X Data + Cloud

Hyper-connectivity

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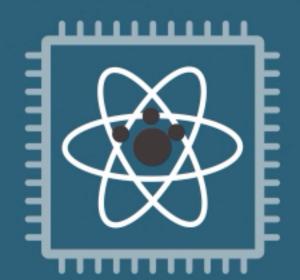
Smart everything, everywhere, anytime: IA (not AI)



Note: smart everything does not mean 'no humans' – but routines are for machines!

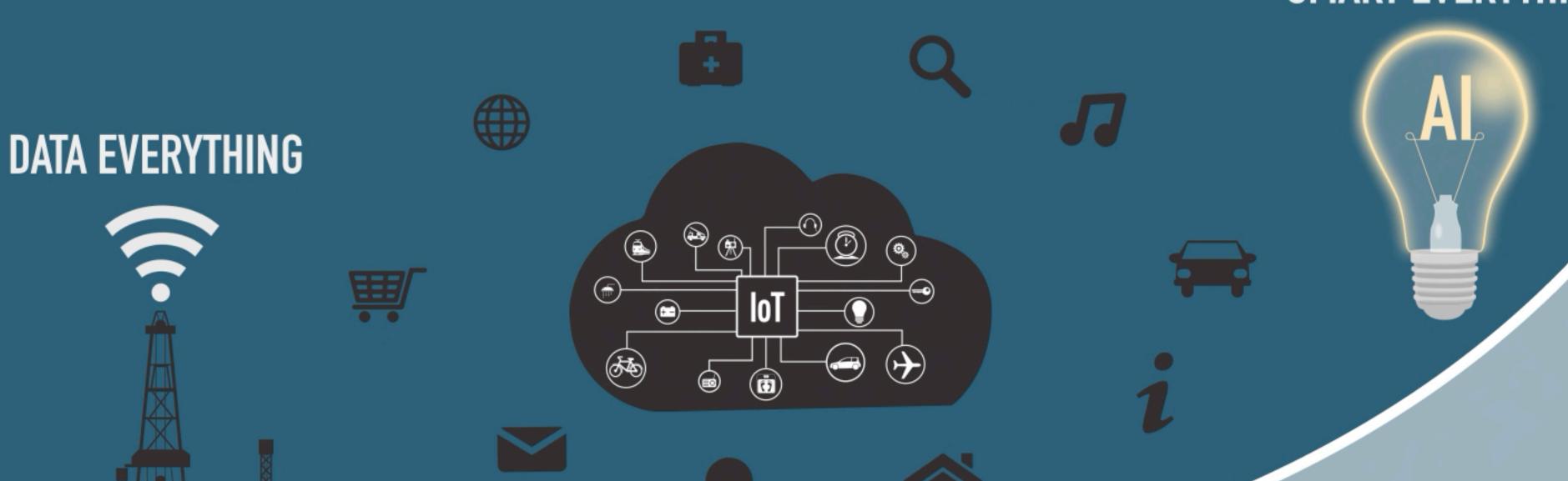
The 8 technological game-changers

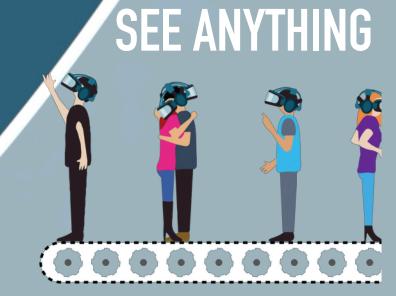
COMPUTE EVERYTHING



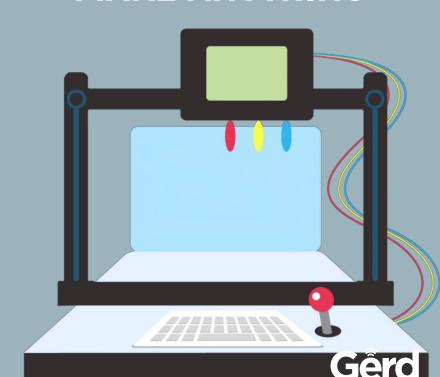
NETWORKED EVERYTHING CLOUD EVERYTHING

SMART EVERYTHING

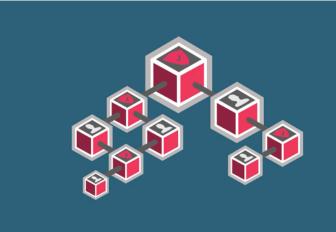




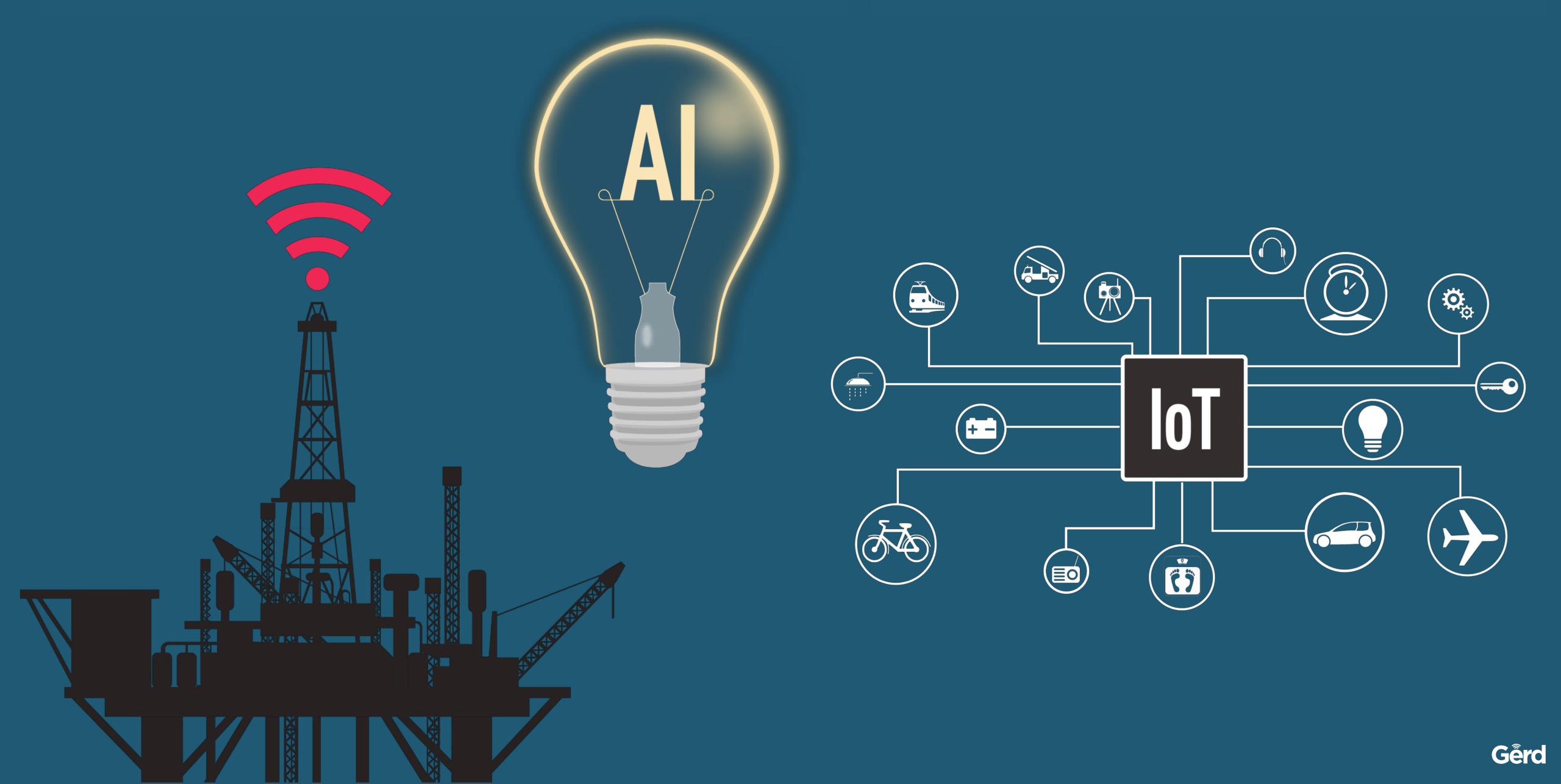
MAKE ANYTHING



TRANSACT ANYTHING

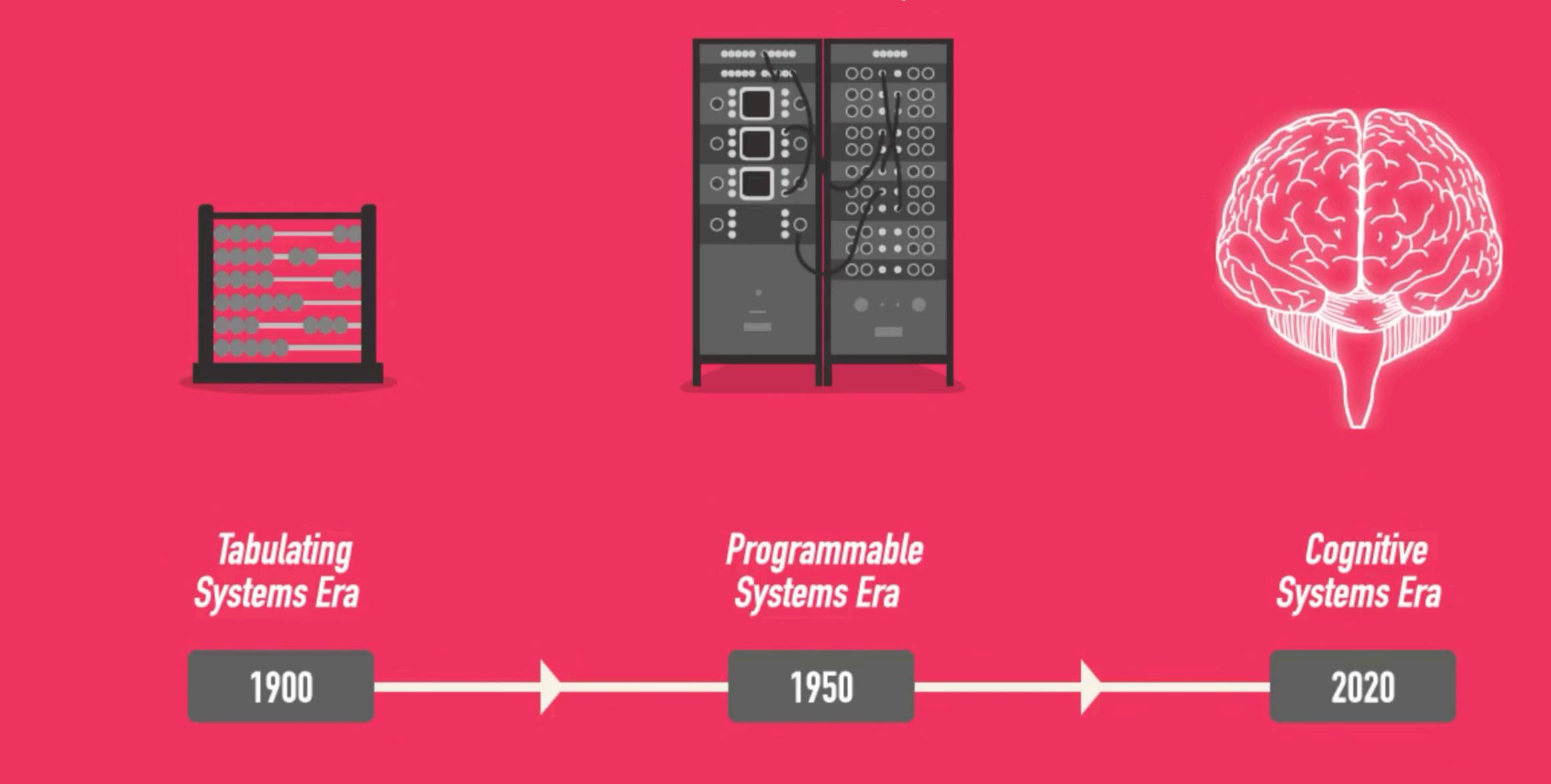


Data is the new Oil. Al is the new electricity. The IoT is the new nervous system.

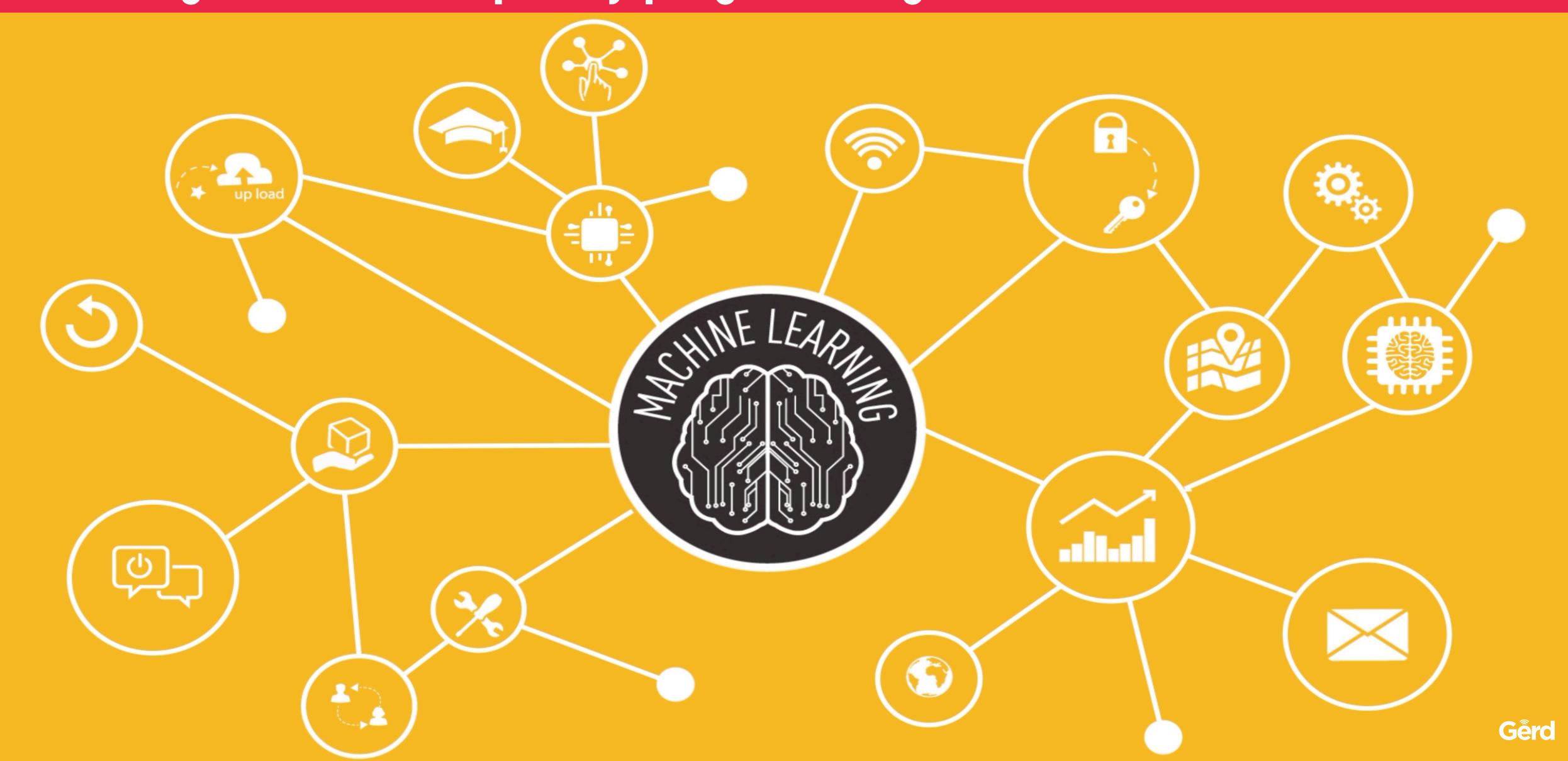


Al: Computer systems that turn information and data into KNOWLEDGE

(Demis Hassabis, CEO, DeepMind)



"Machine learning is the science of giving computers the ability to learn and find insights without explicitly programming the machines on what to do"



IA and narrow AI is disruptive - but AGI will bring existential risk. Who will be 'Mission Control?'

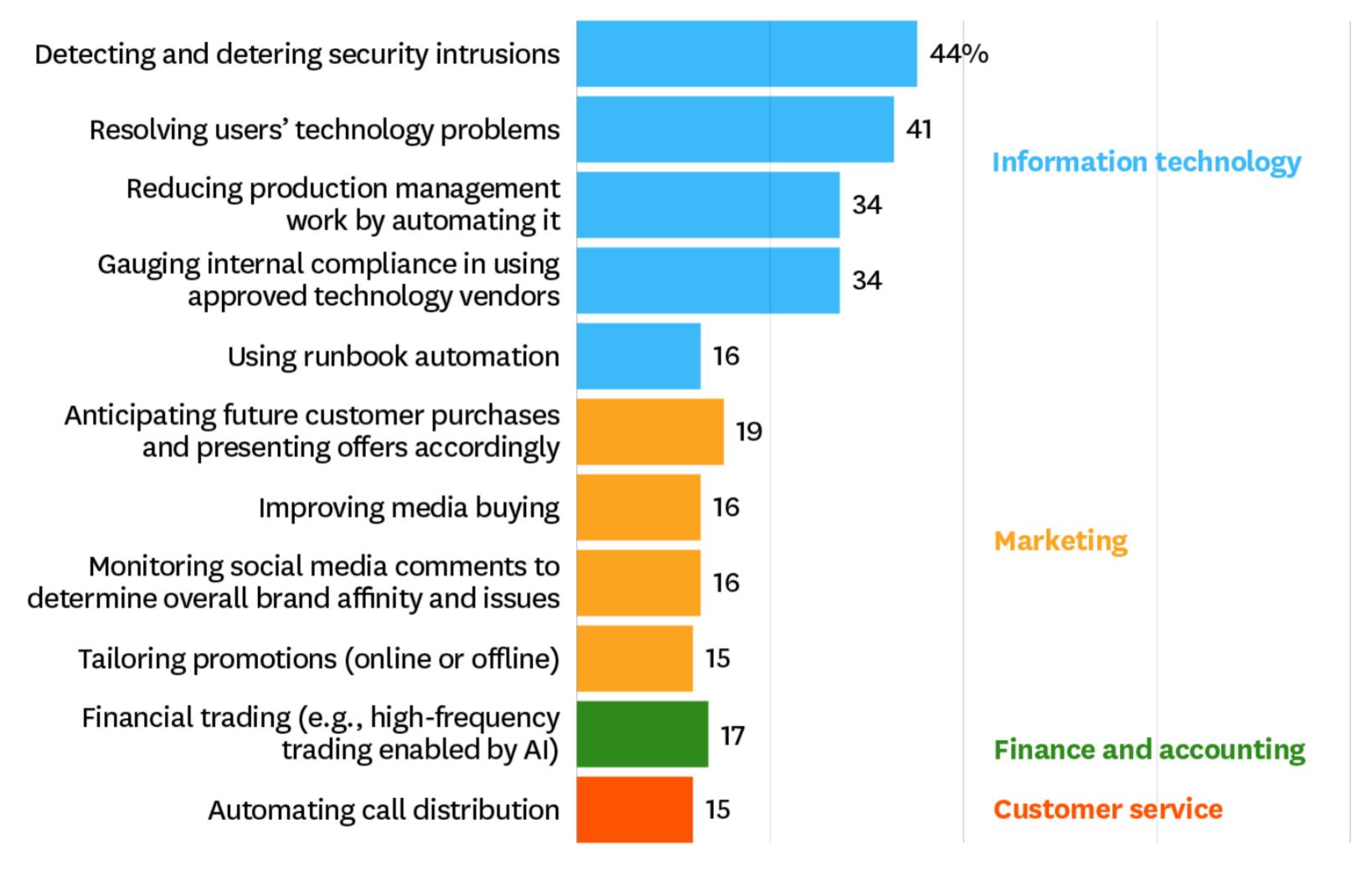


Gễrd

Ignore Hollywood: for the next 5 years it's all about smart software (IA) *

How Companies Around the World Are Using Artificial Intelligence

IT activities are the most popular.



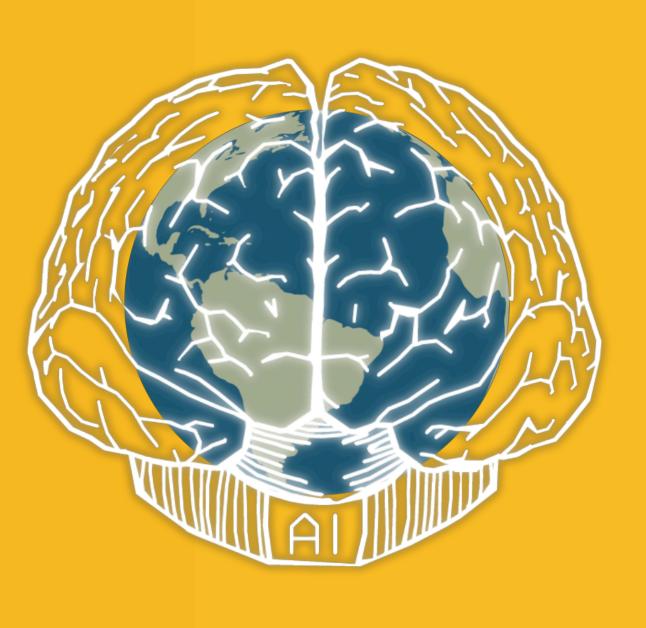
SOURCE TATA CONSULTANCY SERVICES SURVEY OF 835 COMPANIES, 2017

© HBR.ORG

Smart and networked machines: keep humans in the loop, implement ethics guidelines, beware of machine thinking and automation bias, experiment but keep asking 'why'!



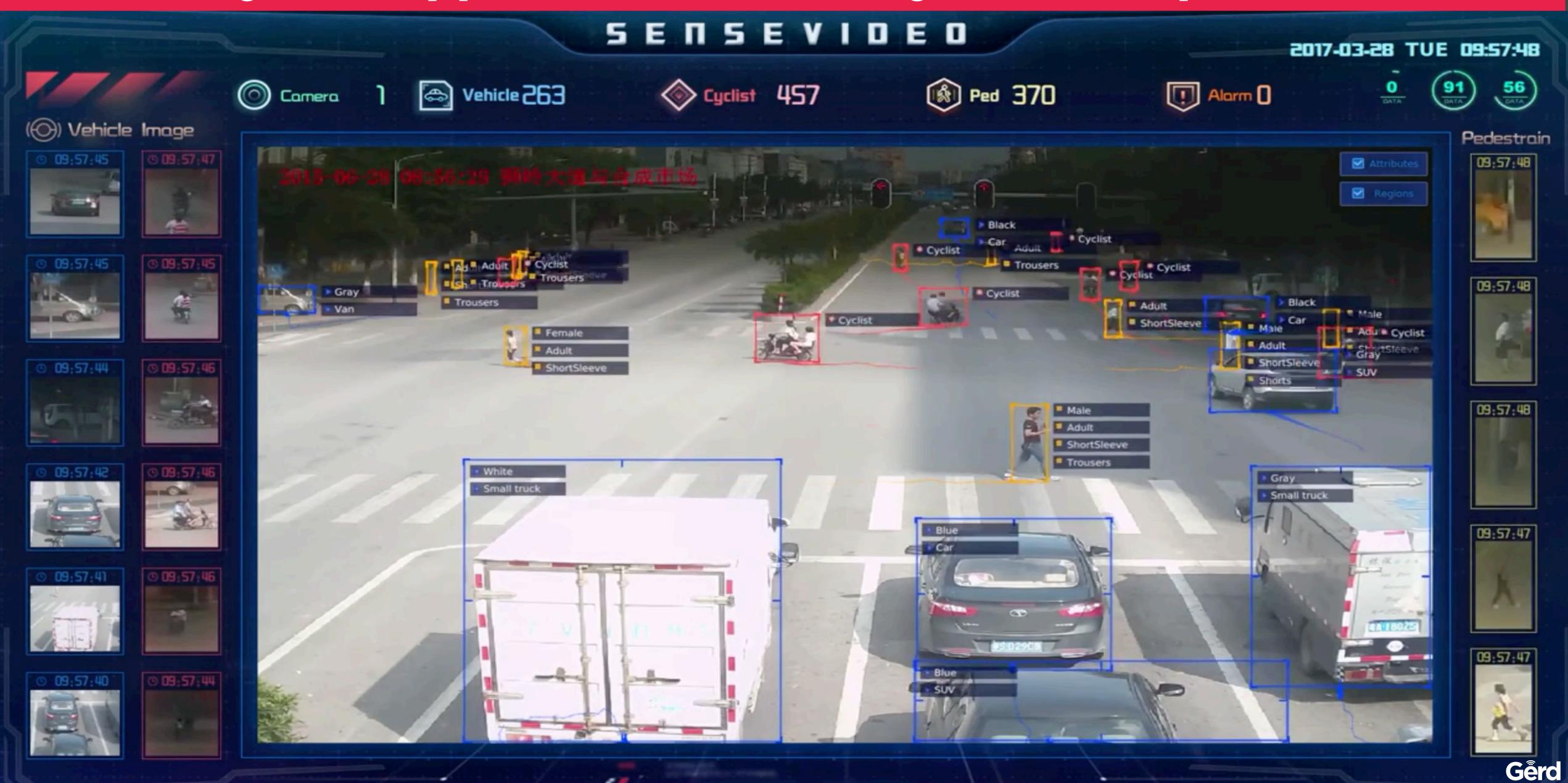




Amazing new opportunities 🗭 Tough new responsibilities



Amazing new opportunities 🗭 Tough new responsibilities



It could be heaven.... or it could be hell



It could be heaven... or it could be hell



Contract for the Web



CORE PRINCIPLES

The web was designed to bring people together and make knowledge freely available. Everyone has a role to play to ensure the web serves humanity. By committing to the following principles, governments, companies and citizens around the world can help protect the open web as a public good and a basic right for everyone.

GOVERNMENTS WILL

Ensure everyone can connect to the internet so that anyone, no matter who they are or where they live, can participate actively online.

Keep all of the internet available, all of the time so that no one is denied their right to full internet access.

Respect people's fundamental right to privacy so everyone can use the internet freely, safely and without fear.

COMPANIES WILL

Make the internet affordable and accessible to everyone so that no one is excluded from using and shaping the web.

Respect consumers' privacy and personal data so people are in control of their lives online.

Develop technologies that support the best in humanity and challenge the worst so the web really is a public good that puts people first.

CITIZENS WILL

Be creators and collaborators on the web so the web has rich and relevant content for everyone.

Build strong communities that respect civil discourse and human dignity so that everyone feels safe and welcome online.

Fight for the web so the web remains open and a global public resource for people everywhere, now and in the future.

... or it could be hell





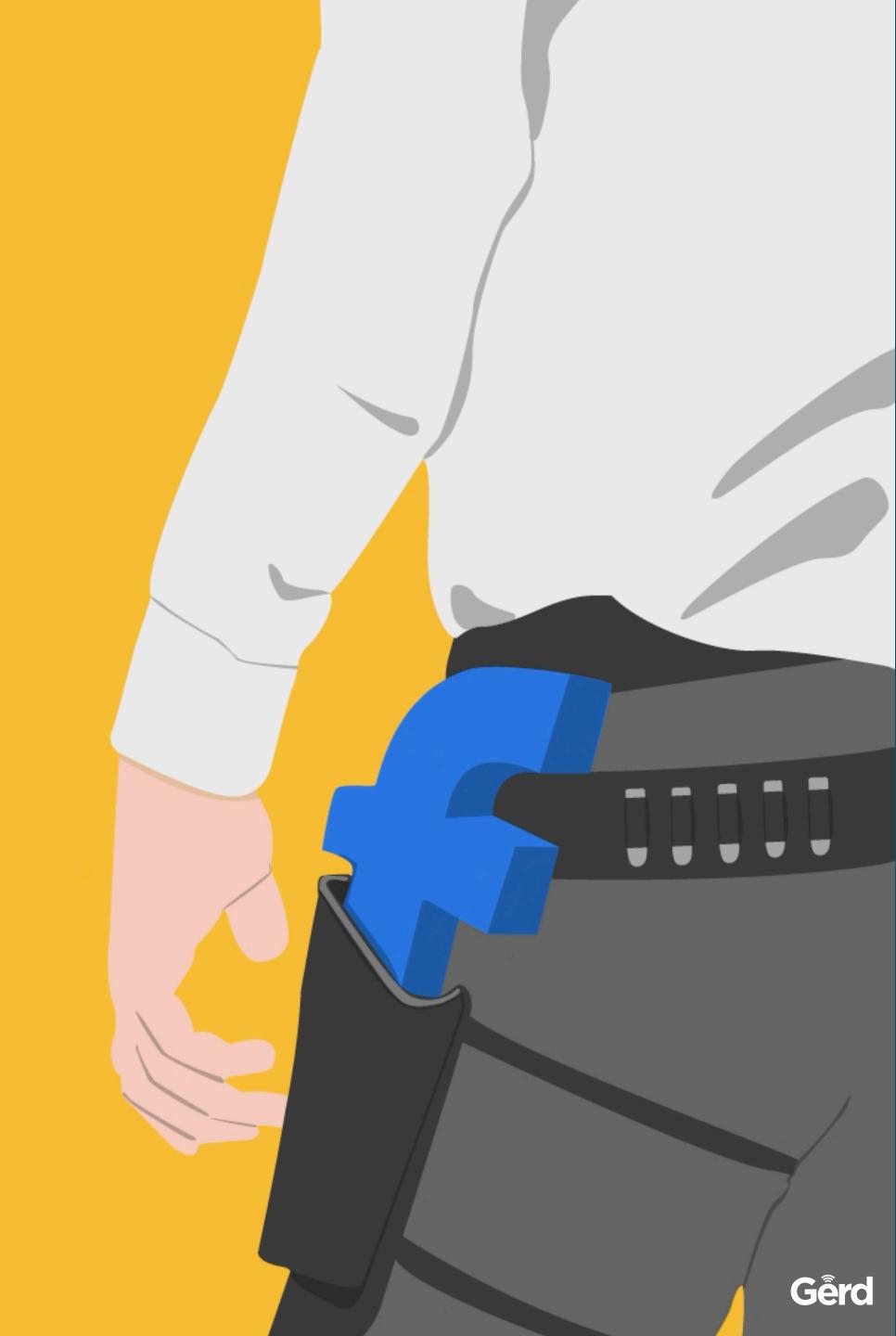
"Ethics is knowing the difference between what you have a right (or the power) to do and what is the right thing to do"

adapted from Potter Stewart

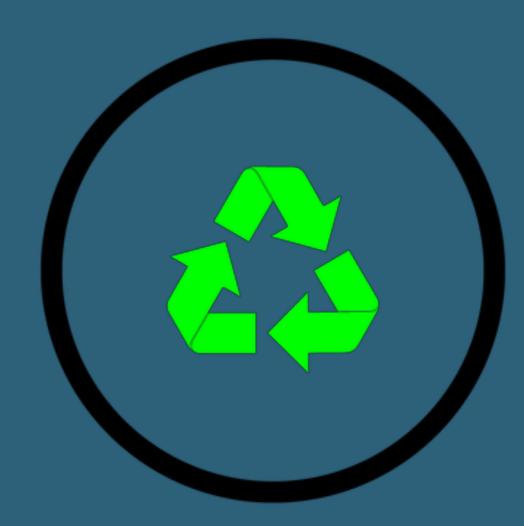


TECHNOLOGY HAS NO ETHICS

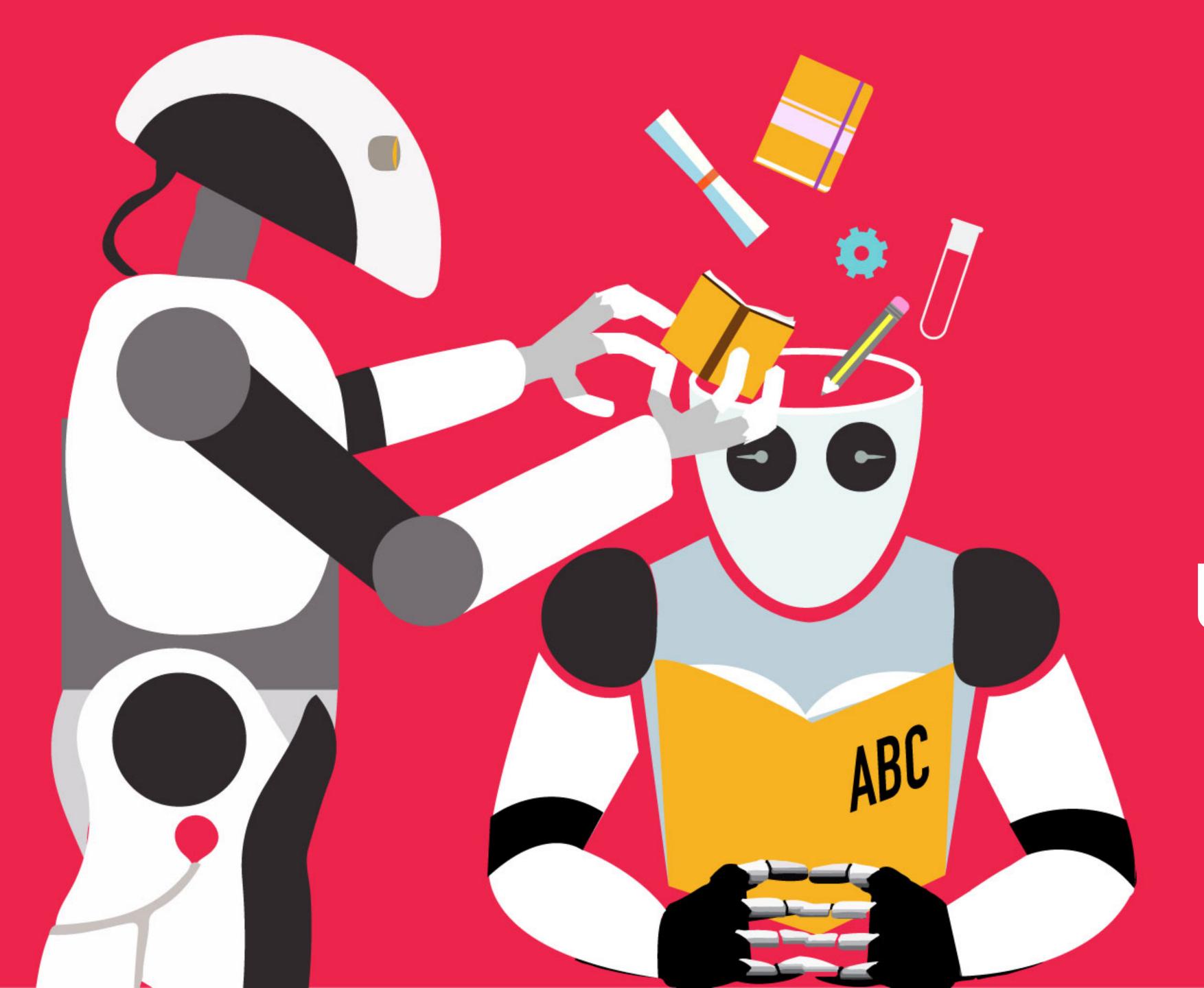












Data and Information ≠ Knowledge ≠ **Understanding** ≠ Wisdom

Commerce is driven by data; MEANING is created by humans!

Algorithms

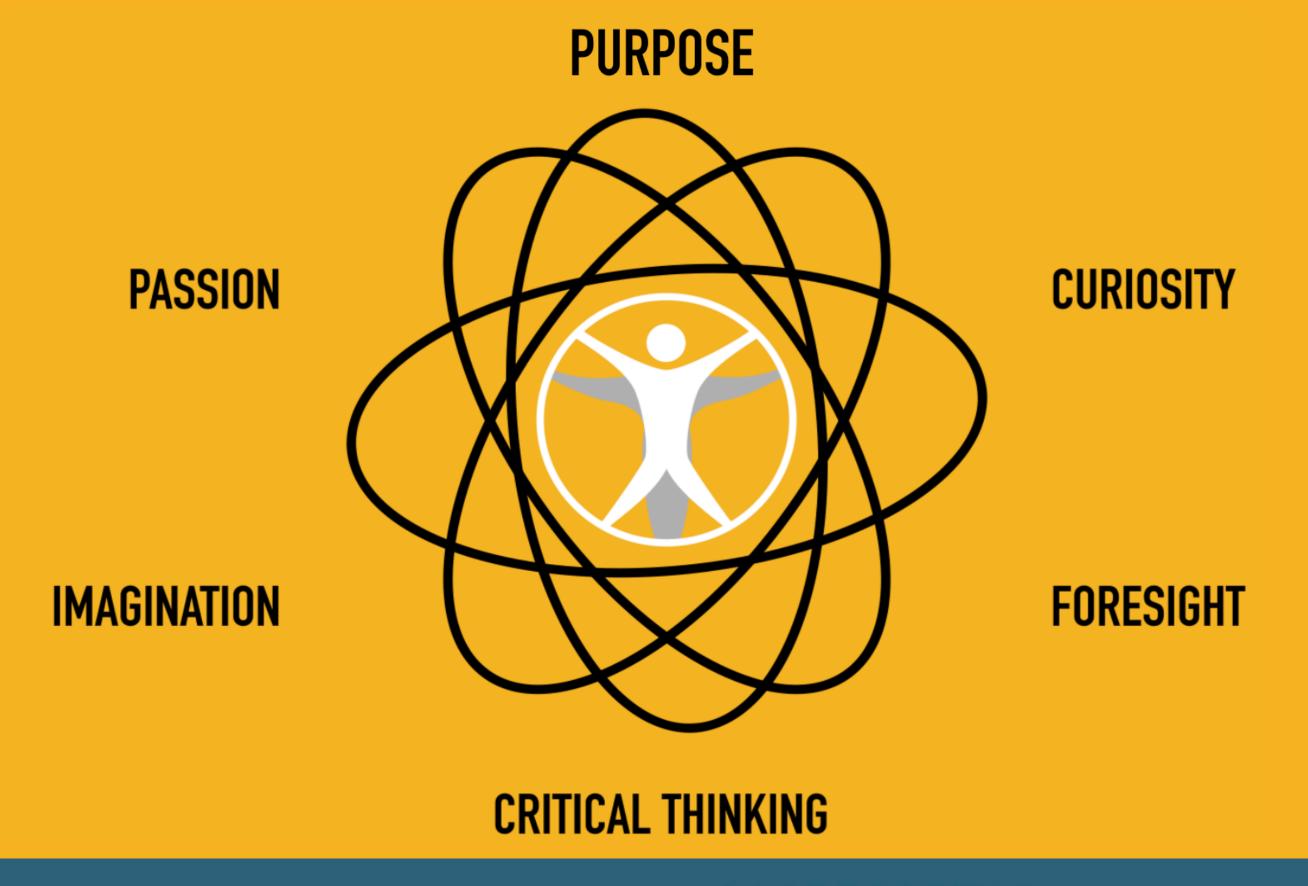
'When it comes to really important decisions data trumps intuition every time"

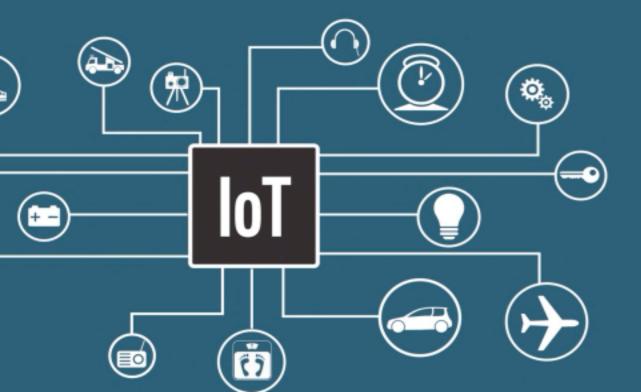
Androrithms

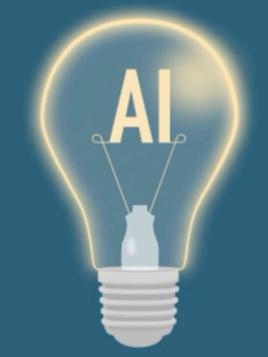
"All of my best decisions in business and life have been made with heart, intuition, guts... not analysis"

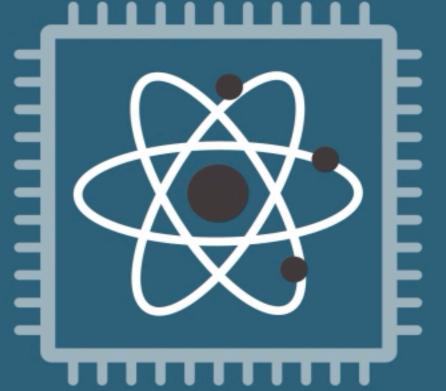


The Future: awesome humans on-top of amazing technology



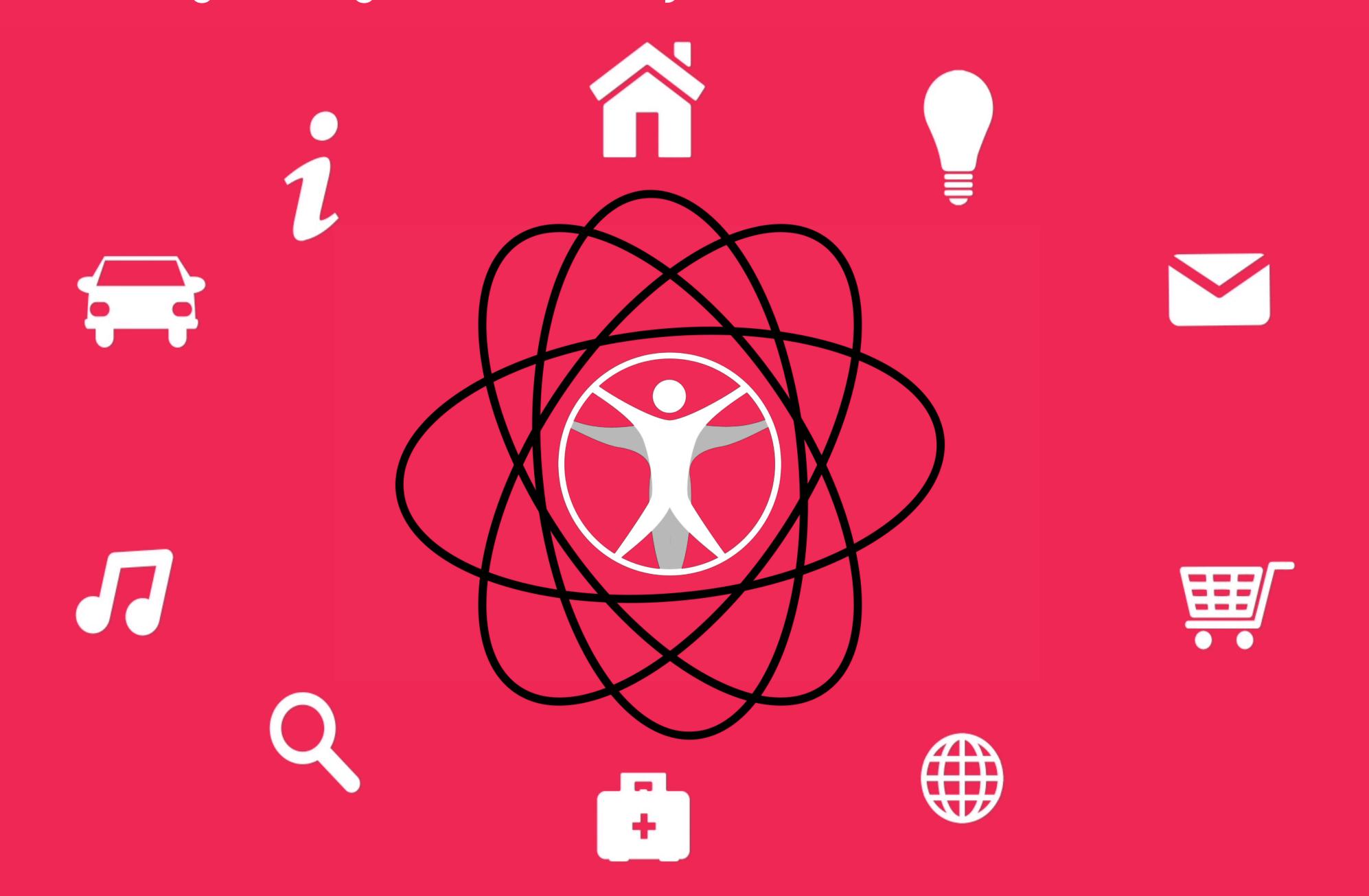








As the world goes digital it will be your HUMANITY that differentiates you



Embrace technology but don't become it!

