



DAY AFTER TOMORROW



nexxworks

RADICAL INNOVATION FOR THE AGE OF DISRUPTION

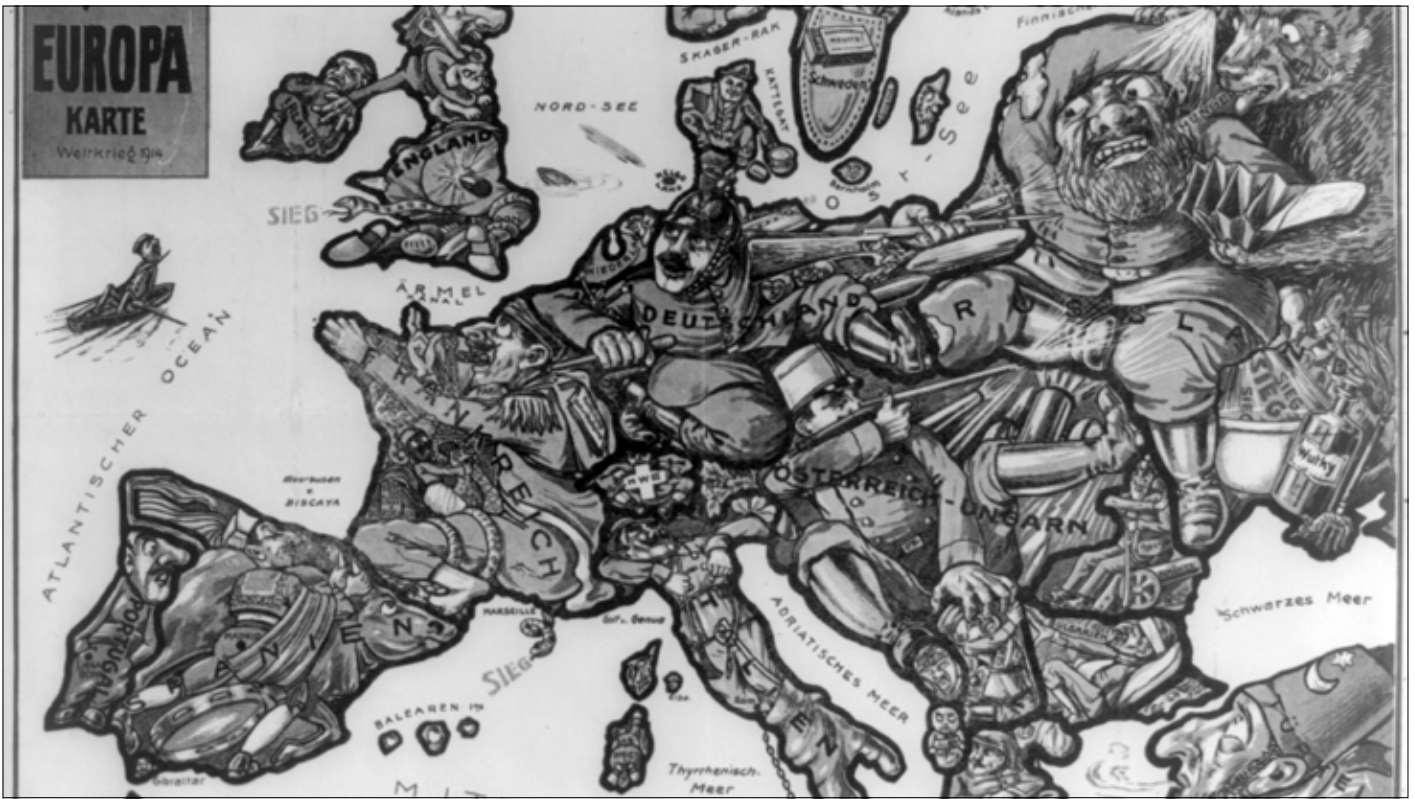












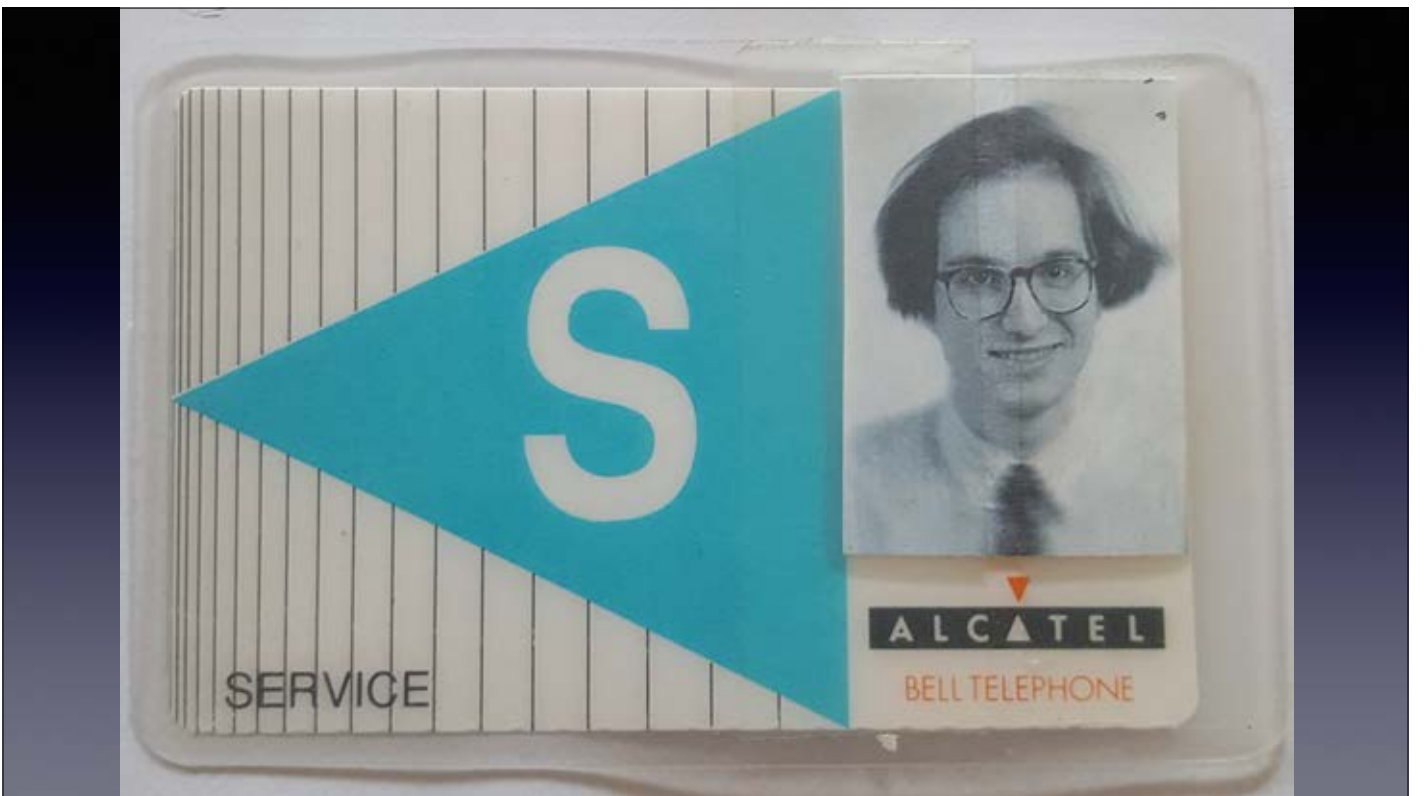




Anywhere on Earth in **under an hour**



Anywhere on Earth in **under an hour**



**It's not the heat,
it's the humidity.**

**It's not the speed,
it's the agility.**

It's not the **speed**,
it's the **agility**.



DIGITAL DISRUPTION

COMPANIES

Financials

Deutsche Bank warns robots will take jobs

Chief says 'big number' of staff will lose their posts as result of digitisation push

LAURA NOONAN — FRANKFURT

Deutsche Bank's chief executive John Cryan has asked colleagues to embrace their "revolutionary spirit" as employees for the bank already working "like robots" begin to be replaced by actual robots.

Mr Cryan warned that a "big number" of people working for him would lose their jobs as a result. Accountants who "spend a lot of the time basically being an abacus" will be replaced by automation, he said, risking the ire of the 6,000

finance staff that the bank employs.

Deutsche has already committed to cutting 9,000 of its 100,000 direct employees and 6,000 of its 50,000 indirectly employed contractors as part of a five-year restructuring plan.

Mr Cryan said further jobs would be cut as it embraced new technology. "The truthful answer is we won't need as many people. In our banks we have people behaving like robots doing mechanical things, tomorrow we're going to have robots behaving like people."

Its technology and operations division also has thousands of contractor employees, despite a drive by operations boss Kim Hammond to bring key roles in-house and reduce Deutsche's sprawling network of contractors. Many

of its finance staff work in the Philippines and India, carrying out manual work such as reconciling figures between legal entities.

Mr Cryan is an enthusiastic adopter of technology, and has spoken in the past about how it will revolutionise the banking industry. "We need to admit that what we had is nice but it's not necessarily for the future," the British chief executive said yesterday at a conference. "We need more revolutionary spirit."

Some executives privately believe that Deutsche should aspire to emulate other banks of similar size, which have staffing levels of about half and commensurately better cost/income ratios.

Mr Cryan gave some hope to Deutsche's workforce, who have been bat-

tered by years of restructuring and a widespread bonus cull last year. He said some jobs could be "upskilled" and become more interesting as the more mechanical work is filtered out.

The impact on Deutsche's staff will be cushioned because the bank has a lot of outside contractors, Mr Cryan said, and it can let those contracts "roll off".

Commerzbank chief executive Martin Zielke, who spoke at the Han-

delsblatt's Banken im Umbruch conference later in the morning, said that digitisation was "always discussed in threatening terms" such as job losses.

"Let us think about the opportunity for banks and for our customers. There are many, many opportunities that are offered and if we use them properly then this will have many positive impacts on the profitability and the number of jobs in the banks," he said.

Germany's finance minister Wolfgang Schäuble told the same conference that digitisation had implications "in the industrial world as a whole", adding that he could not say whether the prospective job losses were a "threat or a hope" for bosses like Mr Cryan.

See Lex

'We need to admit that what we had is nice but it's not necessarily for the future'

Financial services. Profile in focus



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Deutsche boss calls for 'revolutionary spirit' as robots take jobs

John Cryan says 'big number' of bank employees will lose their roles to automation



John Cryan, chief executive of Deutsche, at the Handelsblatt banking summit in Frankfurt on Wednesday © Bloomberg

Financial services. Profile in focus

SEPTEMBER 6, 2017 by Laura Noonan

Deutsche Bank chief executive John Cryan has warned that a "big number" of people working for Deutsche Bank will ultimately lose their jobs as the bank embraces its "revolutionary spirit" and ends the era of accountants acting like "abacuses".

The bank boss, who is mid-way through a five-year restructuring plan, made the comments at a conference in Frankfurt.

"We have to find new ways of employing people and maybe people need to find new ways of spending their time," he said of how technological change will affect banking. "The truthful answer is we won't need as many people..."

In our banks we have people behaving like robots doing mechanical things, tomorrow we're going to have robots behaving like people.

He would not be drawn on how many of Deutsche Bank's 100,000 strong workforce would be at risk beyond saying that it would be a "big number". As an example, he singled out accountants who "spend a lot of the time basically being an abacus".

But it's not all bad news for Deutsche's workforce, who have been battered by years of restructuring and a widespread bonus cull last year. Mr Cryan said some jobs could be "upskilled" and become more interesting as the mechanical work is filtered out.

Financial services. Profile in focus

But it's not all bad news for Deutsche's workforce, who have been battered by years of restructuring and a widespread bonus cull last year. Mr Cryan said some jobs could be "upskilled" and become more interesting as the mechanical work is filtered out.

And the impact on Deutsche's directly employed staff will be cushioned because the bank has a lot of outside contractors, and it can let those contracts "roll off" Mr Cryan said.

Still, the message to the bank's staff, and bank workers in general, was clear:

"We need to admit that what we had is nice but it's not necessarily for the future," the Briton said. "We need more revolutionary spirit."

Financial services. Profile in focus







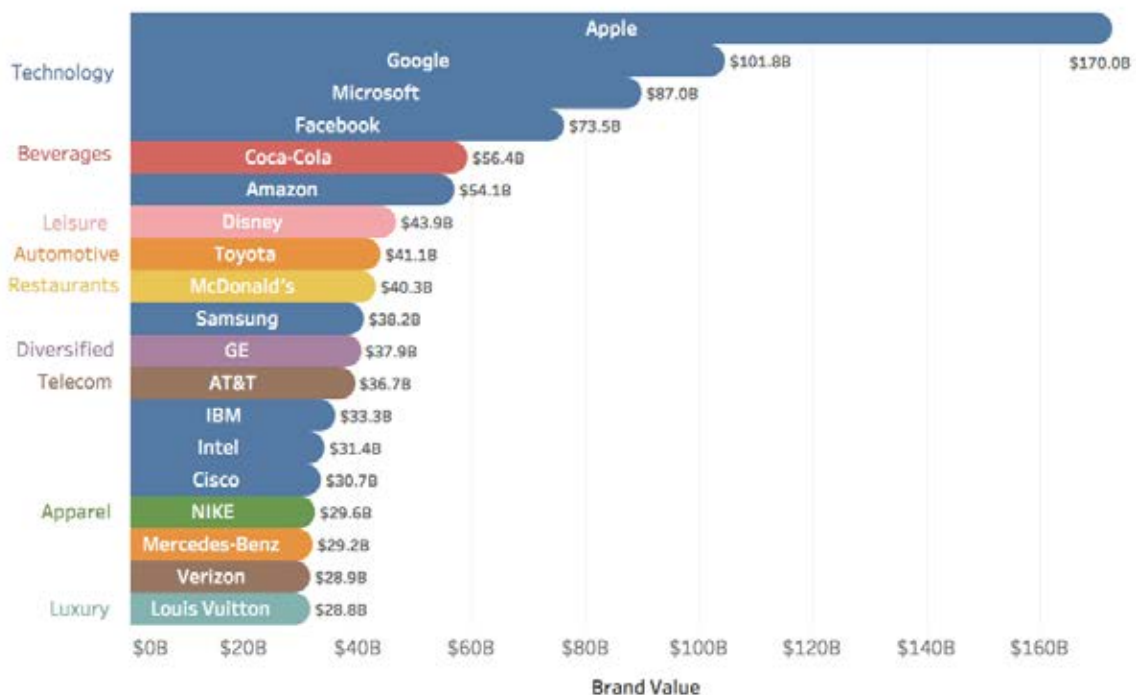
THE LARGEST COMPANIES BY MARKET CAP

The oil barons have been replaced by the whiz kids of Silicon Valley



The World's Most Valuable Brands

Source: Forbes





Politics
Opinion

theguardian

This is the most dangerous time for our planet

Stephen Hawking

We can't go on ignoring inequality, because we have the means to destroy our world but not to escape it



“Success breeds complacency. Complacency breeds failure. Only the paranoid survive.”



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beyonce We would like to share our love and happiness. We have been blessed two times over. We are incredibly grateful that our family will be growing by two, and we thank you for your well wishes. - The Carters

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yeyita_rifar La foto con mas likessss

officially_jadabell Hey I started a YouTube channel and it would really mean a lot if u guys would check it out. We do all kinds of stuff and we are always looking for mores ways to improve our channel. It would make my day if anyone would subscribe! link in my bio

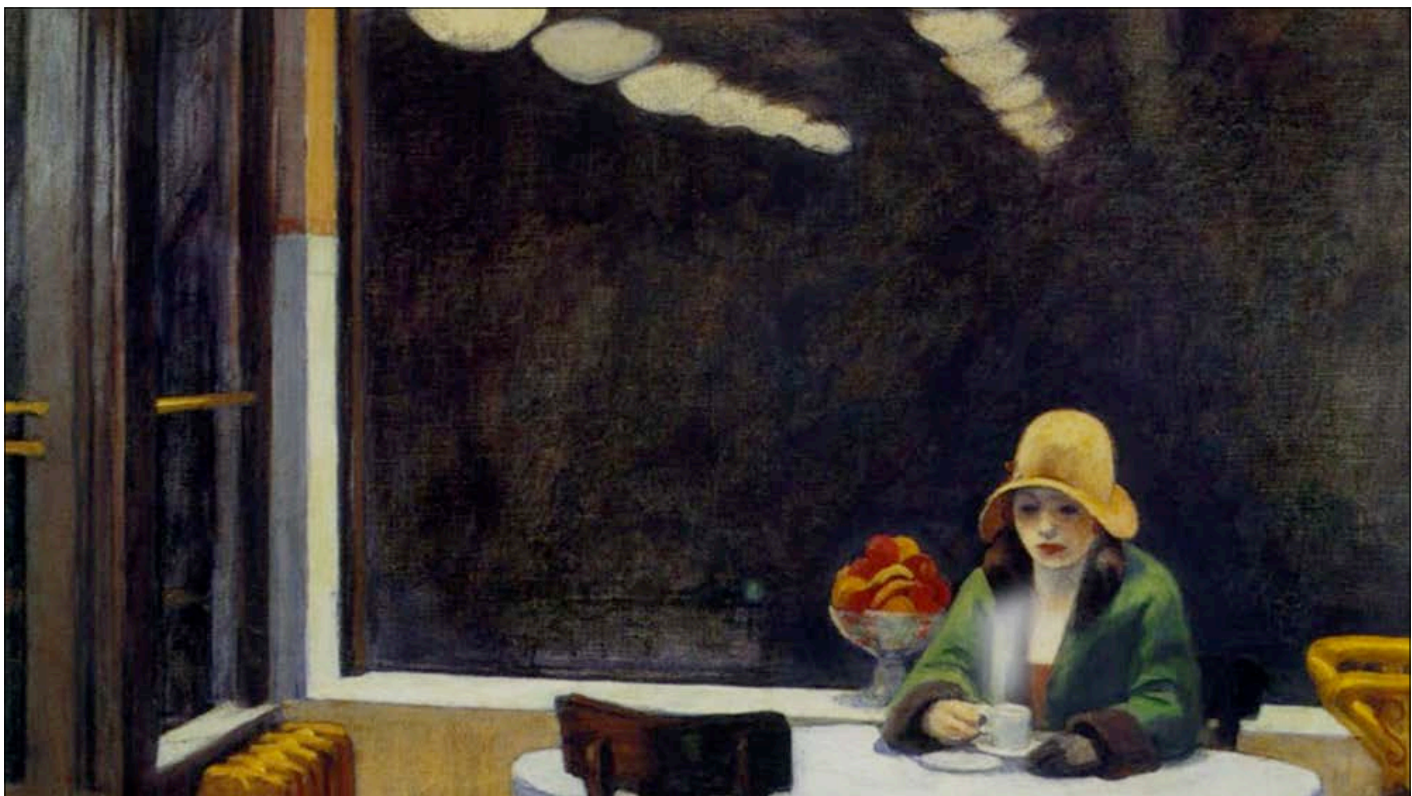
king.casperr Congrats

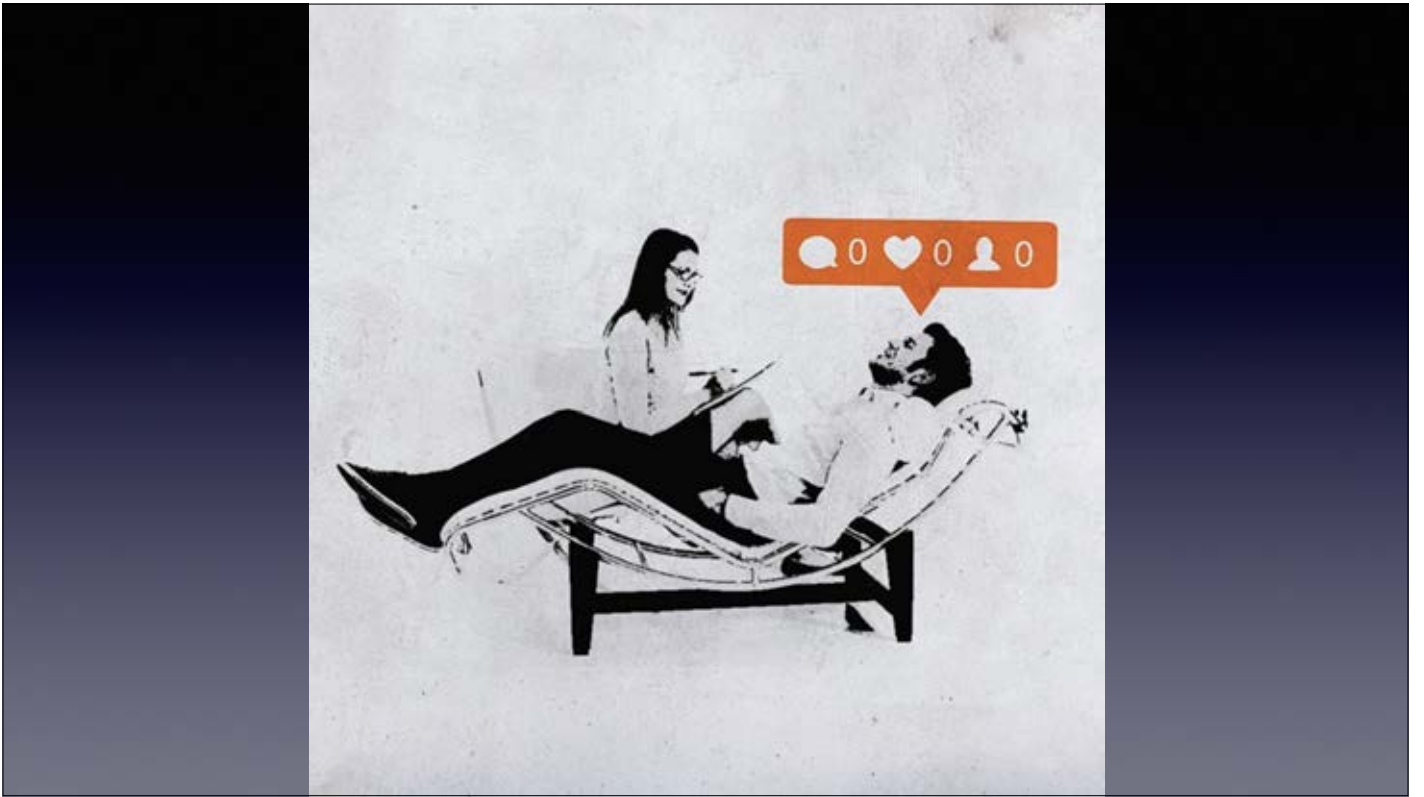
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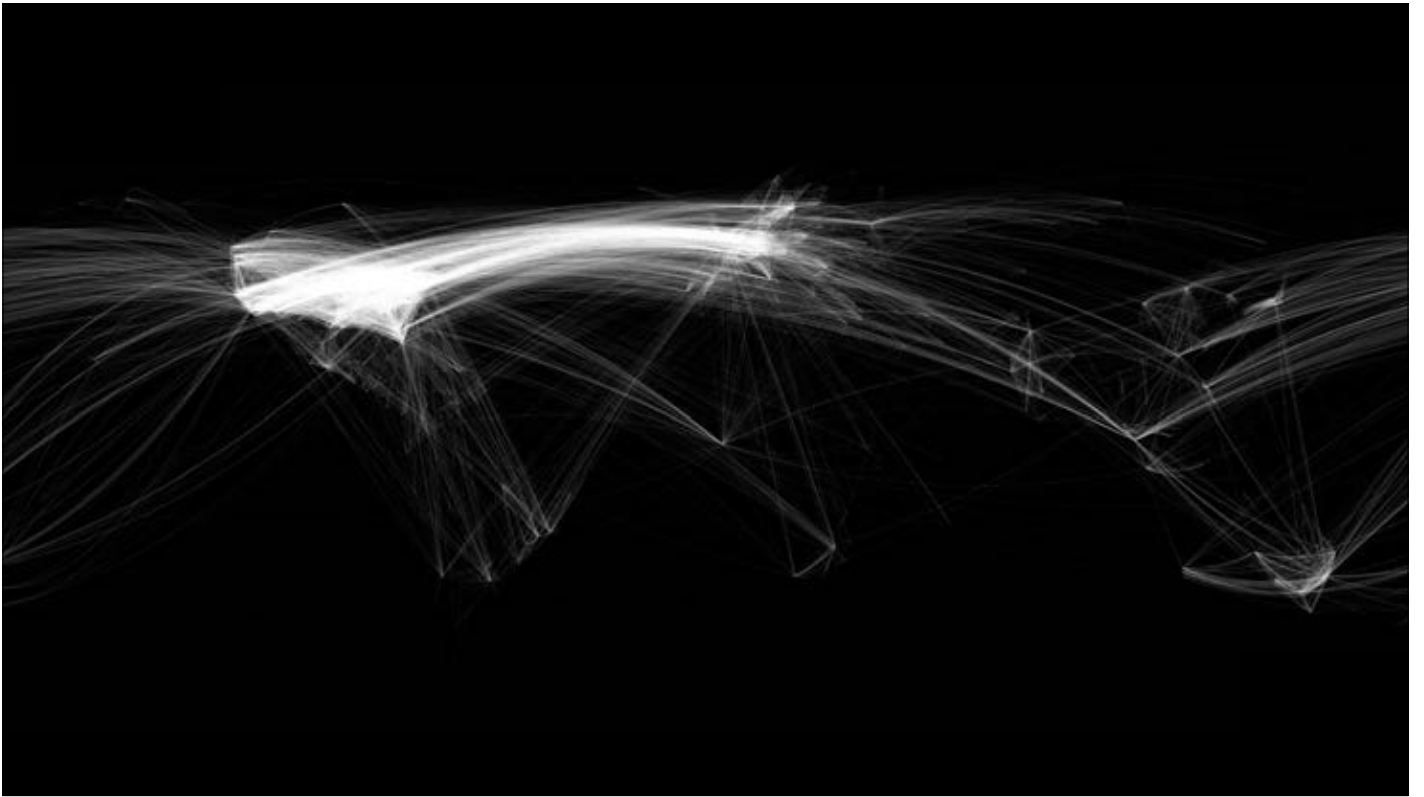
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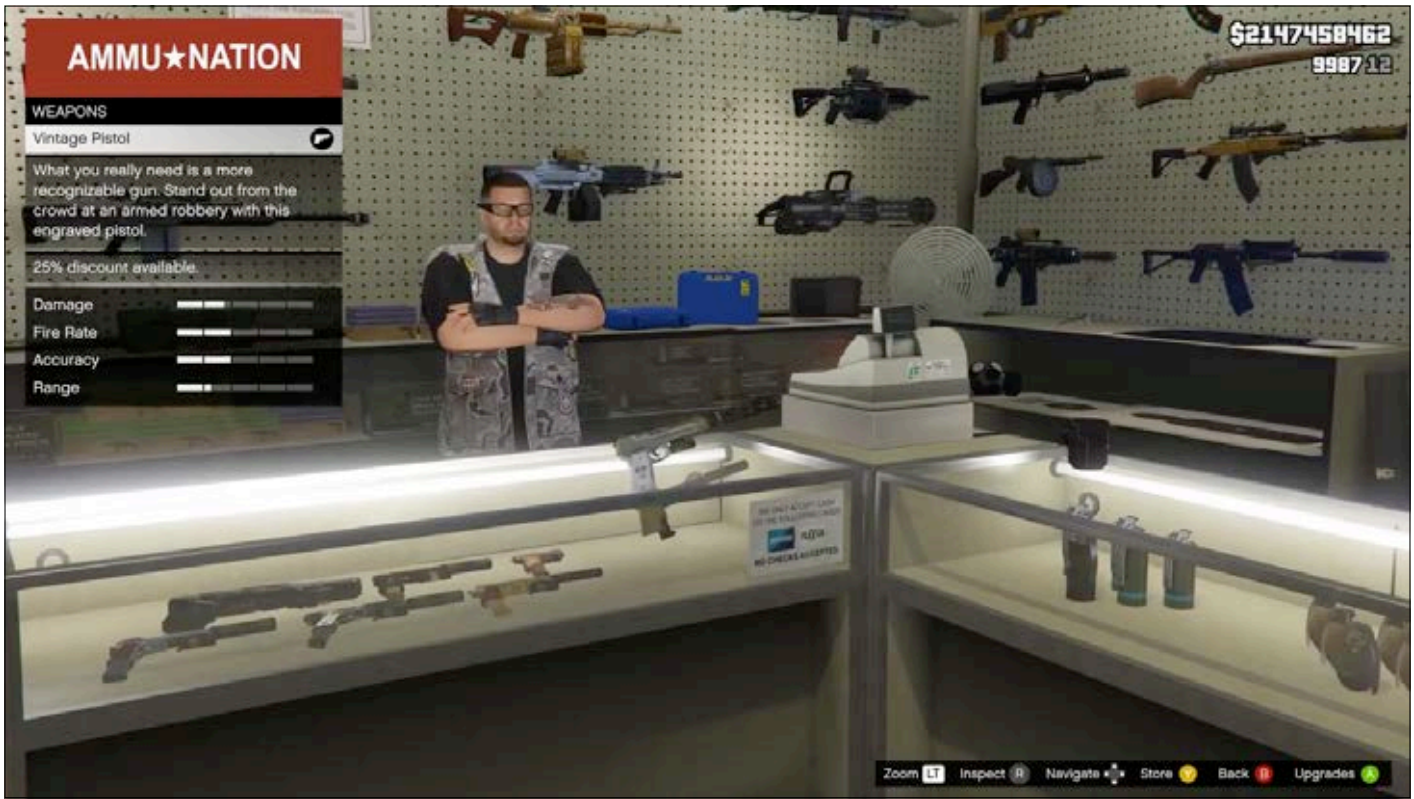
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SOCIAL



CLOUD

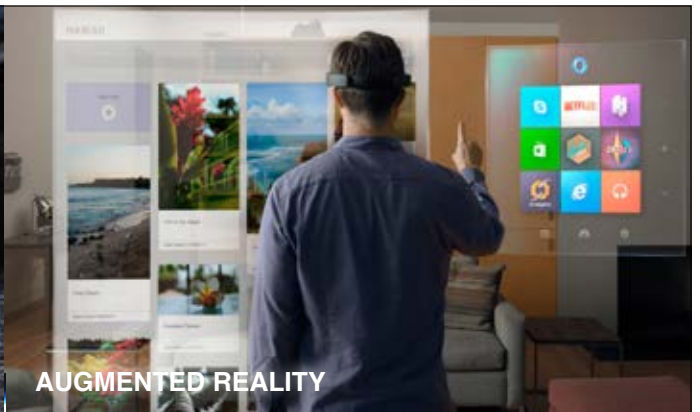
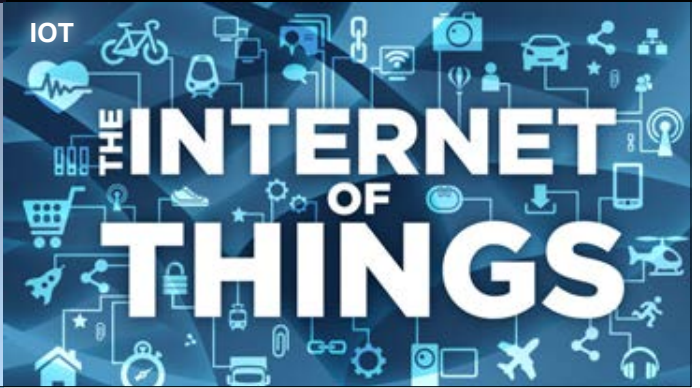


MOBILE



BIG DATA







disru 



disrupt

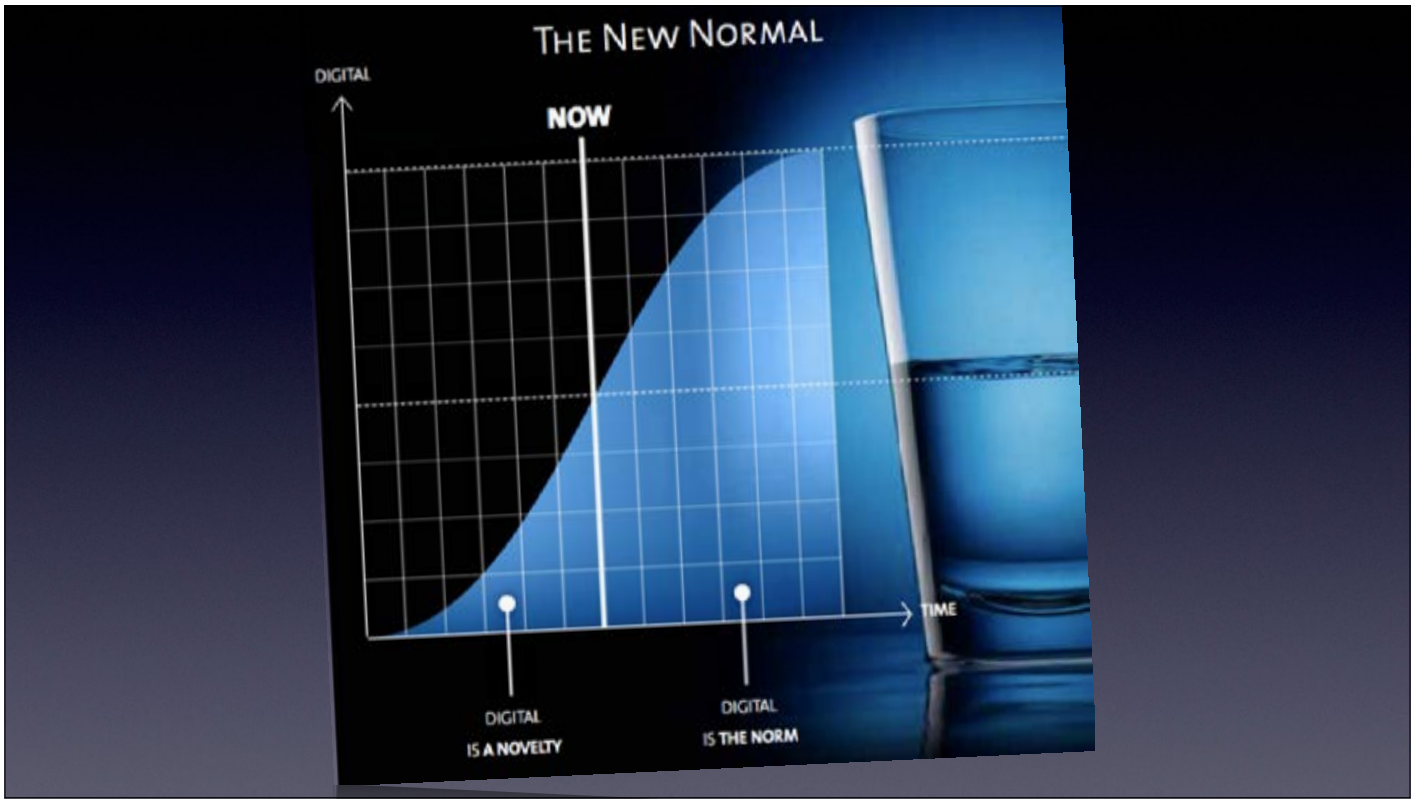










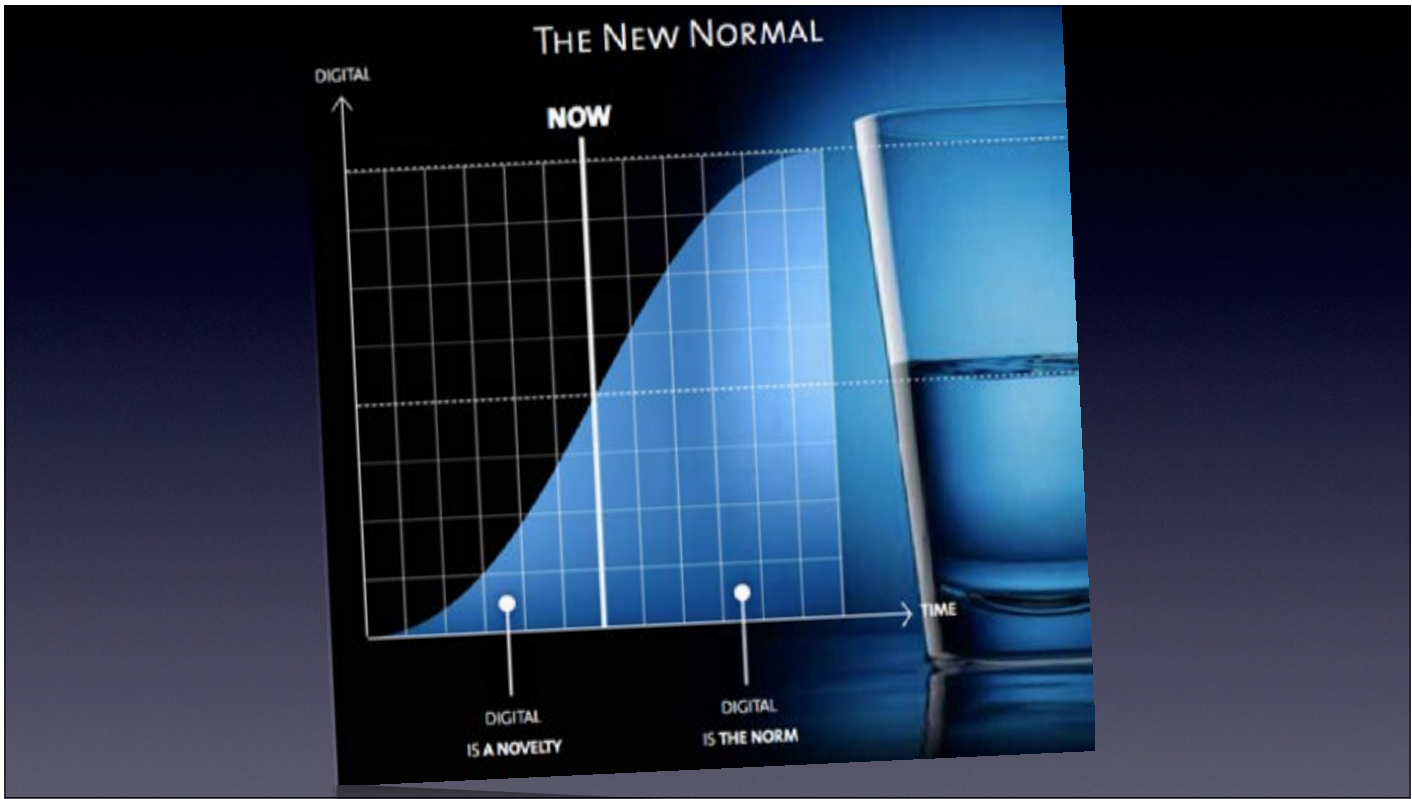


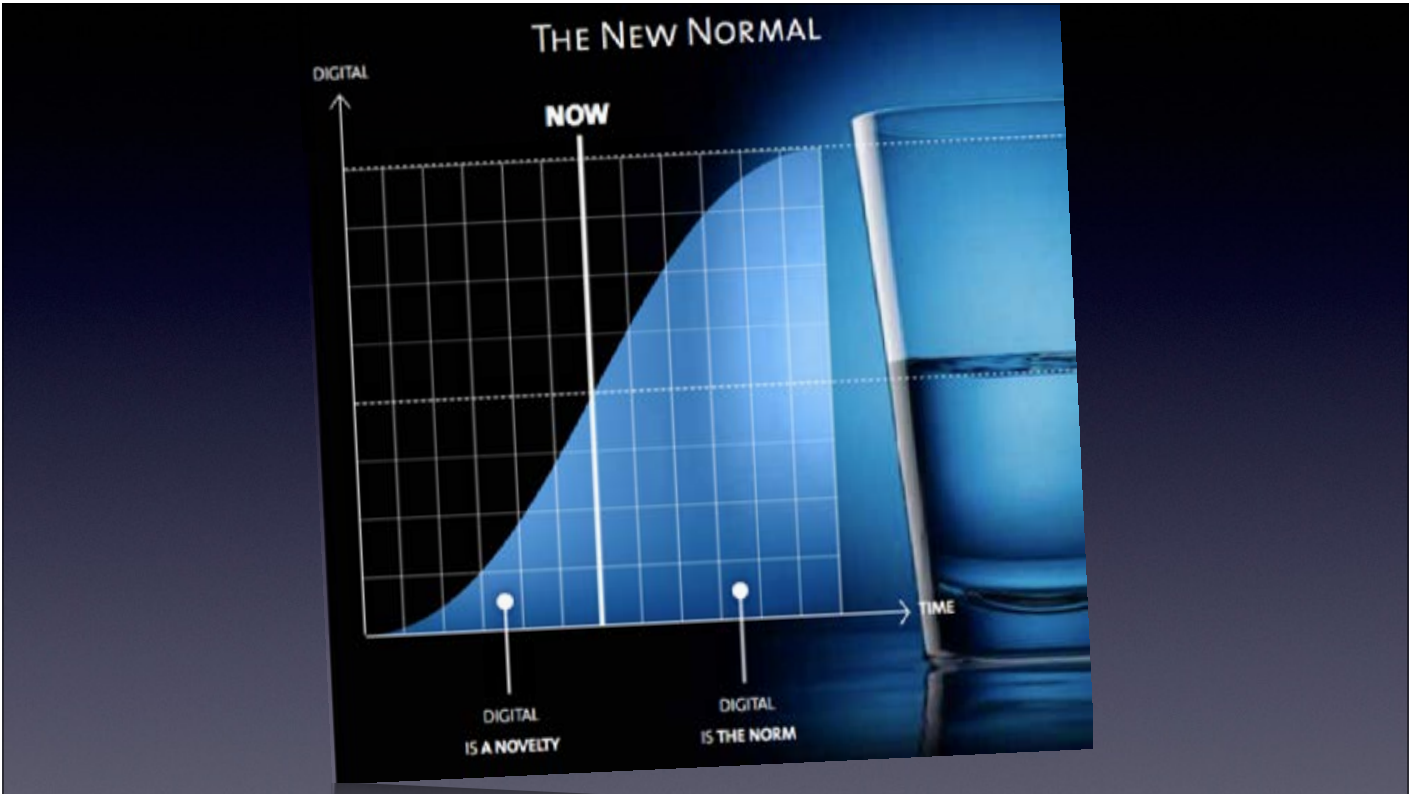
Photos & Bacon
@photosandbacon

American Nuclear Weapons are controlled by 8" Floppy Disks.

[#ReasonsHumansWillGoExtinct](#)







TECH
IS
NORMAL







TECH
IS
NORMAL





Sorry STUDIO CLOSED

Casey Neistat @CaseyNeistat
Im a YouTuber
nyc
youtube.com/caseyneistat
Joined June 2010

TWEETS 14.6K FOLLOWING 1,247 FOLLOWERS 1.06M LIKES 12.1K

Casey Neistat @CaseyNeistat · 24h
huge congrats !!!

Shonduras @Shonduras
1,000,000
when you set a goal and then reach it, no better feeling!
couldn't have done it without the entire spacestation crew
and YOU!

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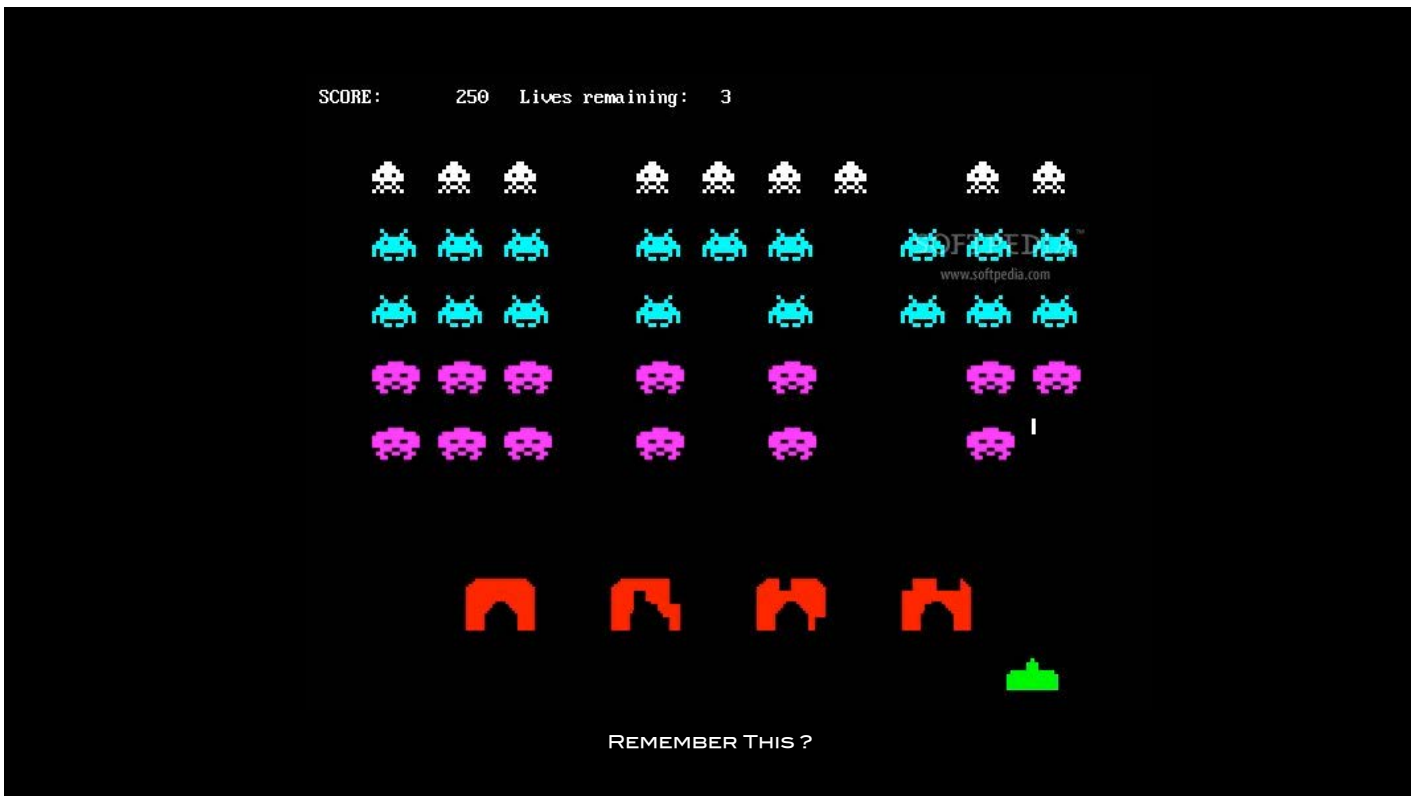
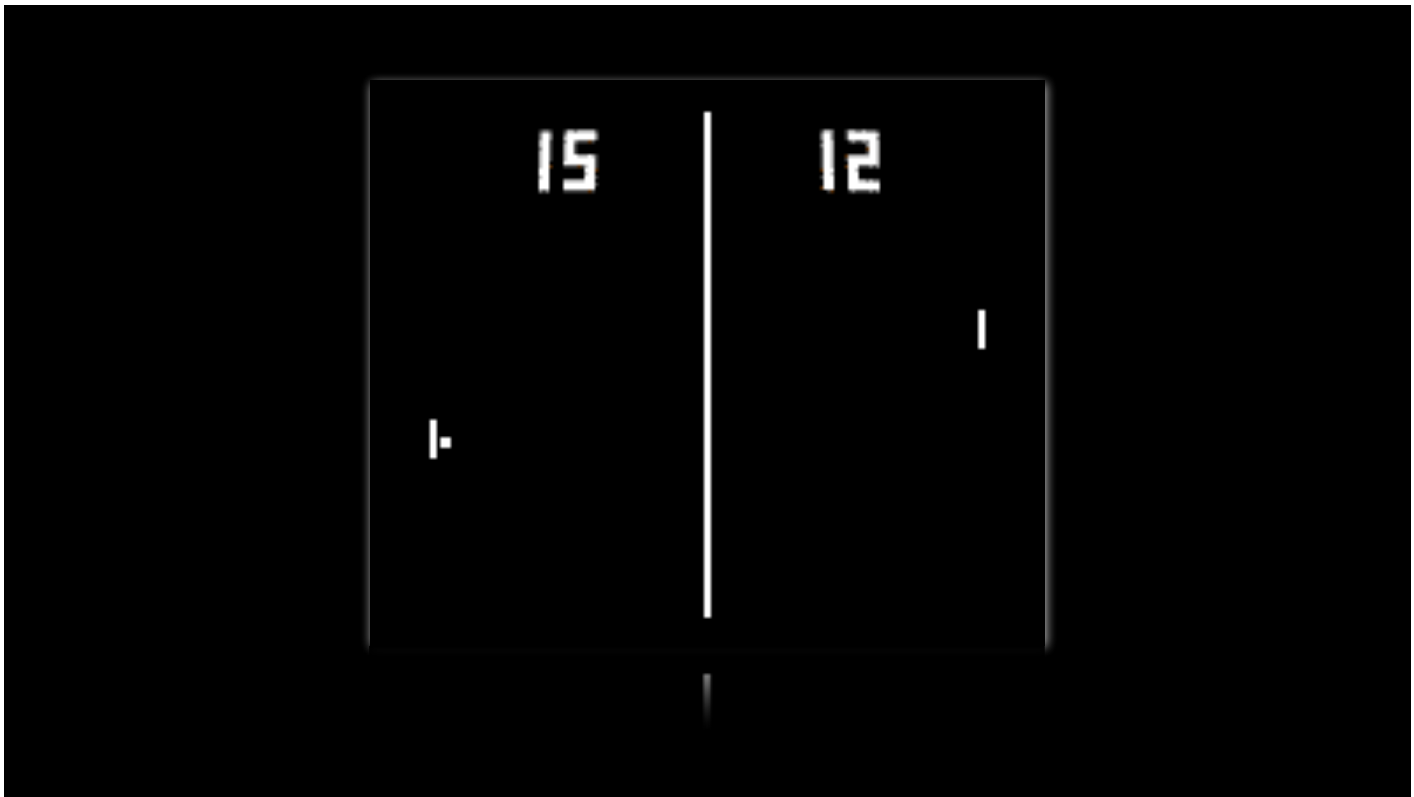
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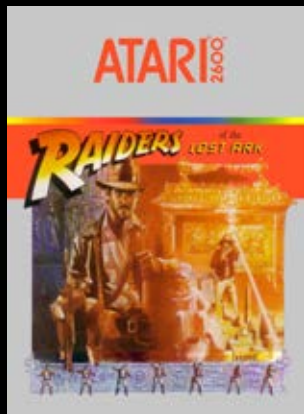
Retro

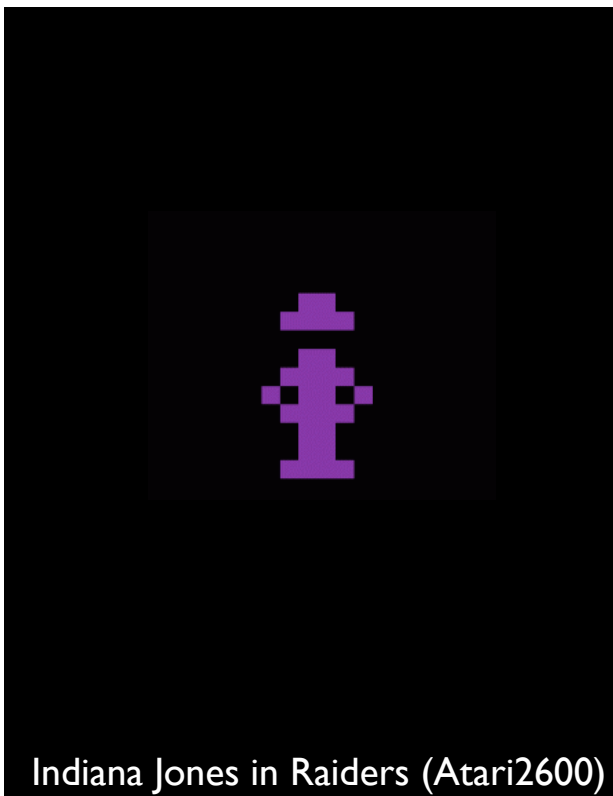
Atari 2600



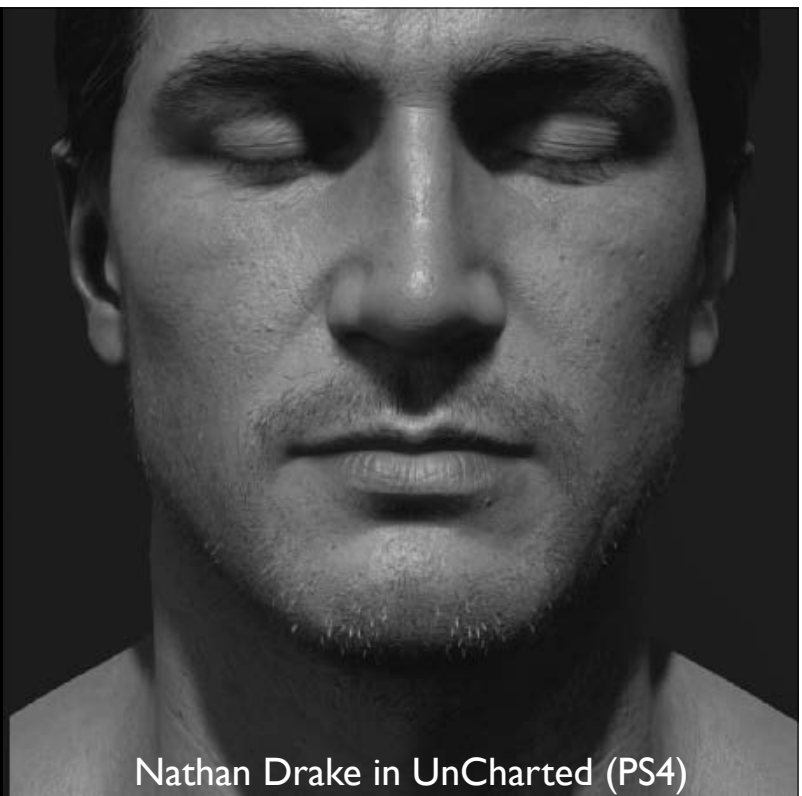


REMEMBER THIS ?



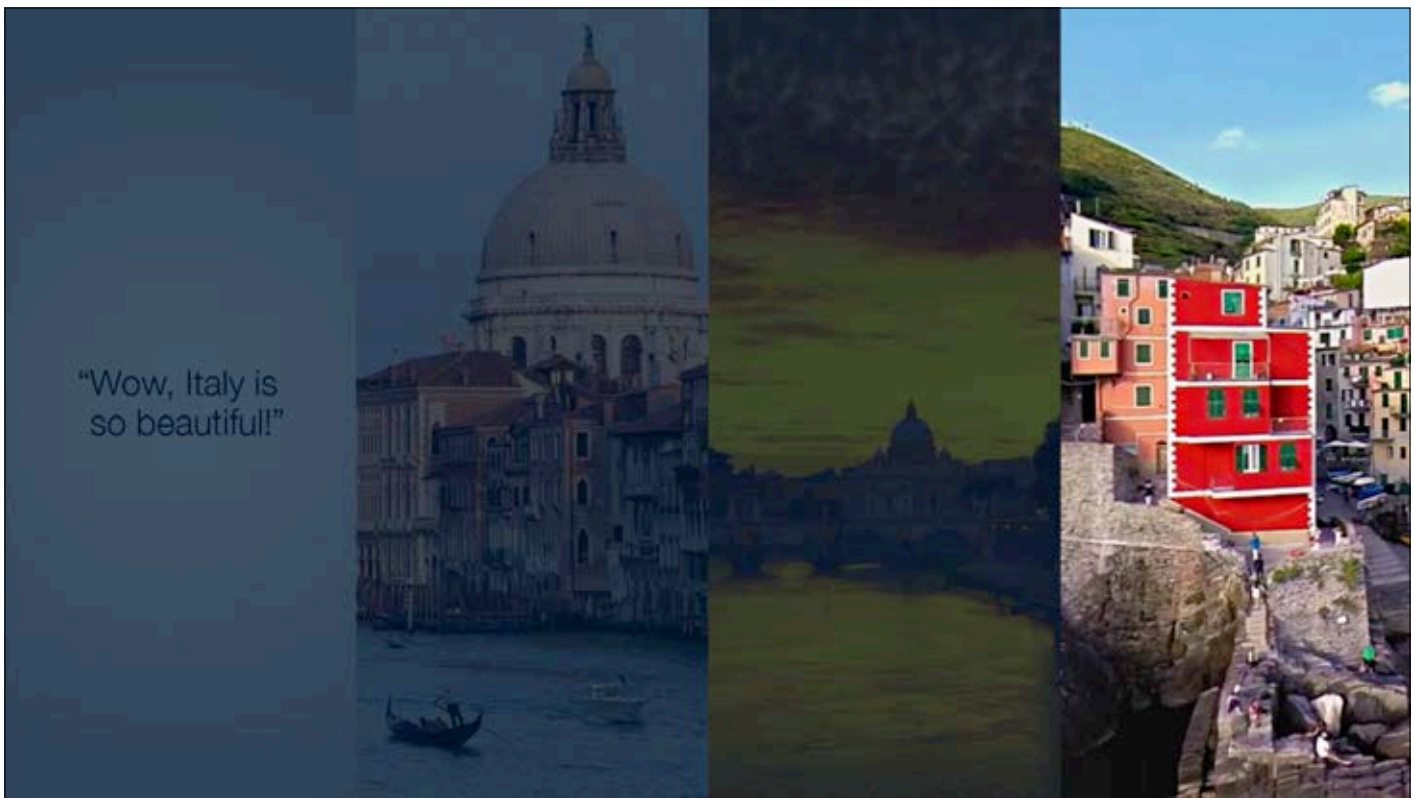
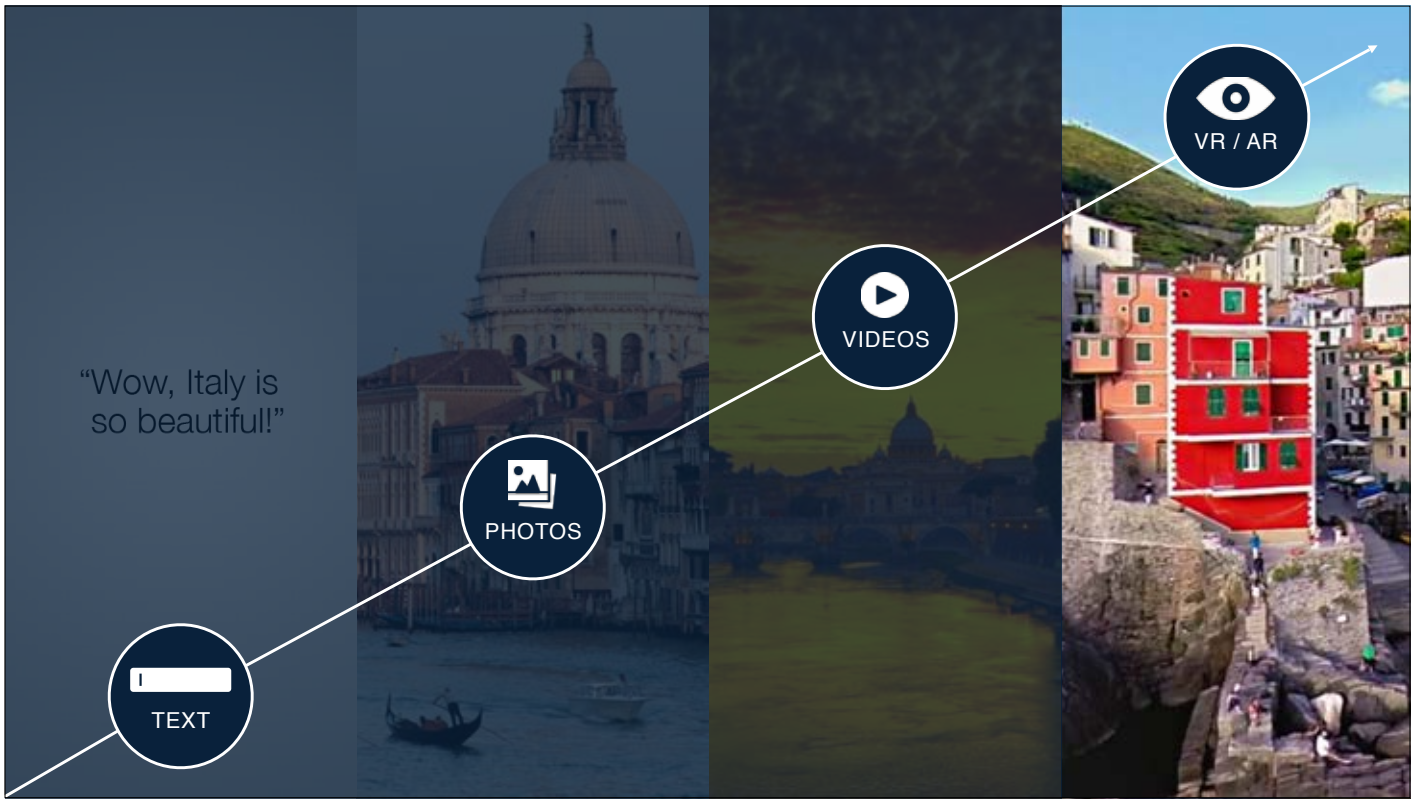


Indiana Jones in Raiders (Atari2600)

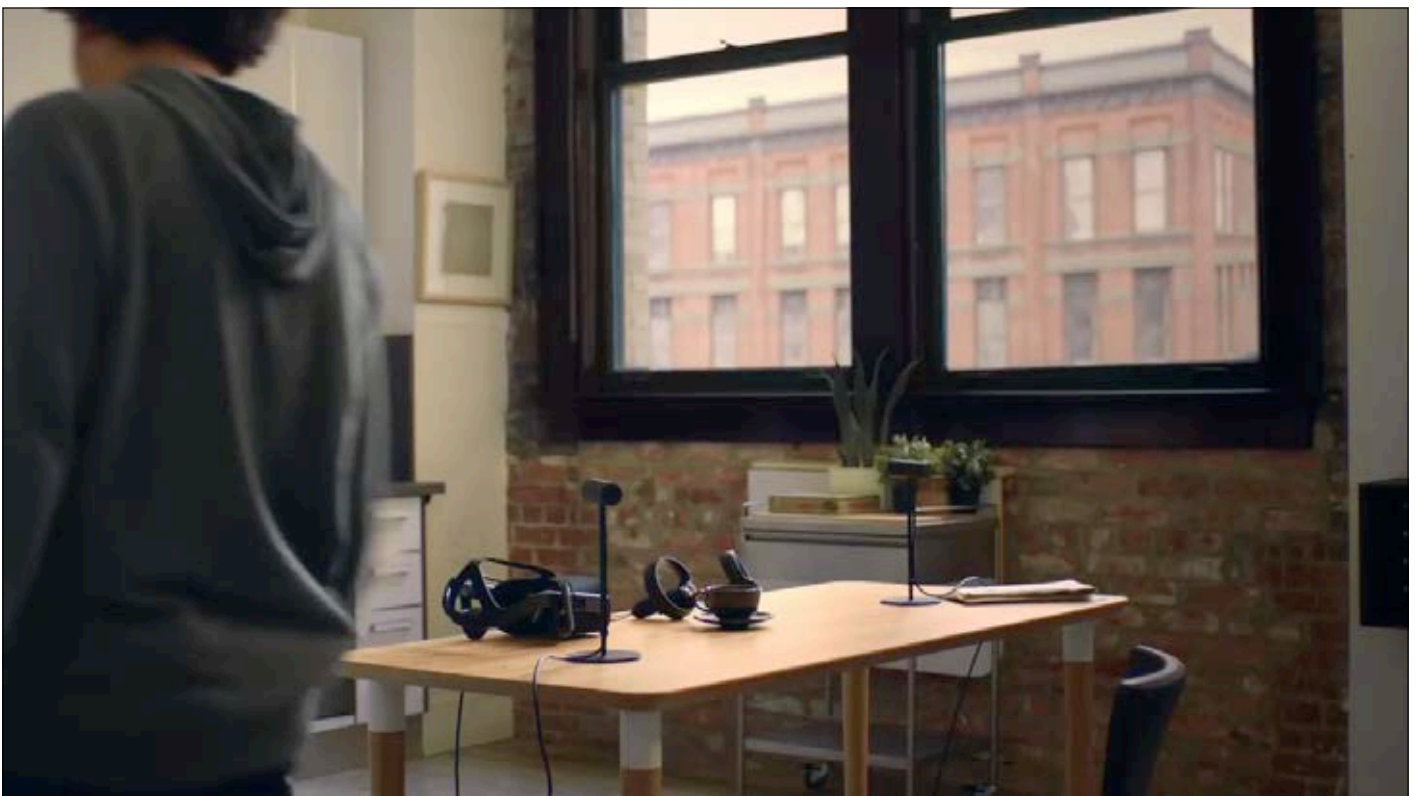


Nathan Drake in UnCharted (PS4)





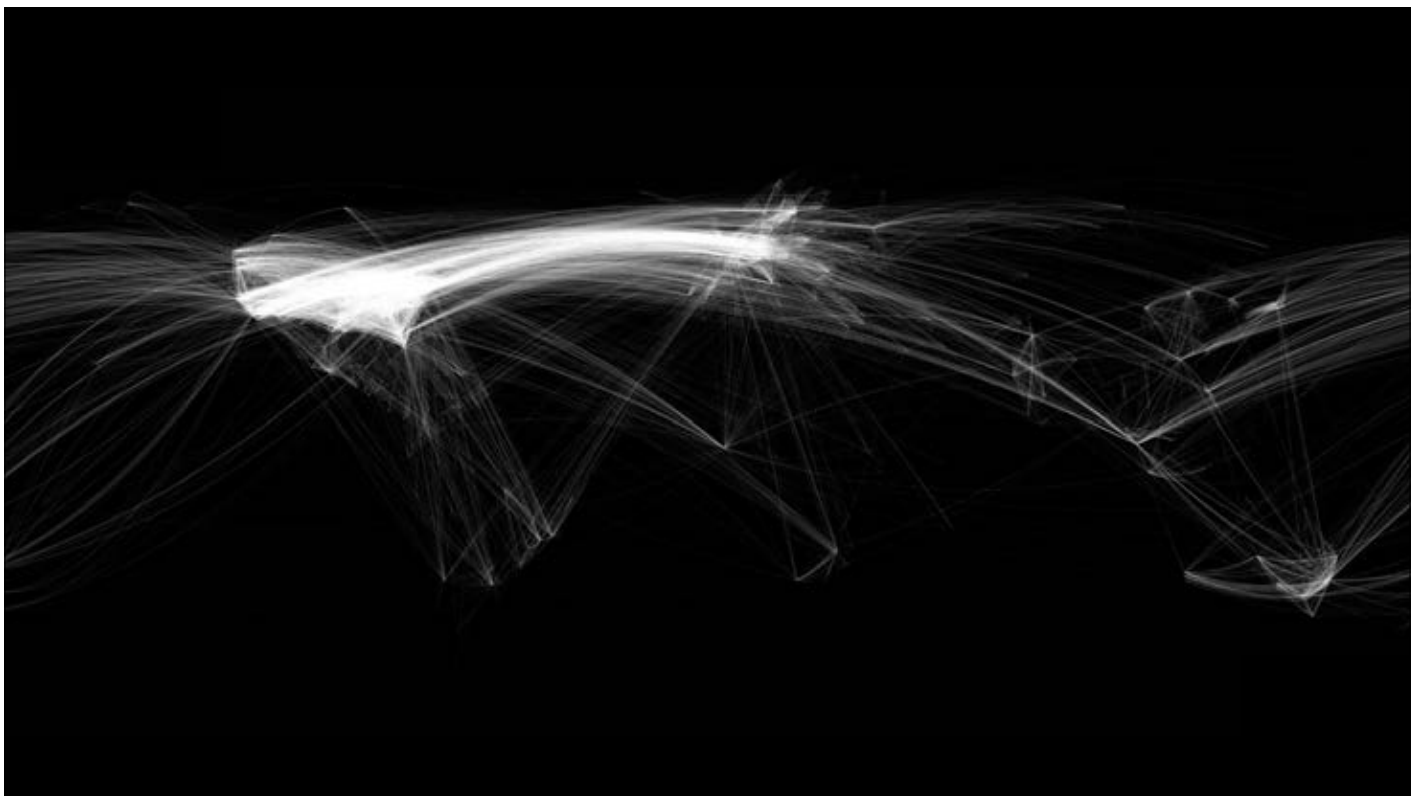
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WALL STREET JOURNAL

Why Software is Eating the World



Our friends at [94 Westbound Consulting](#) (a Chicago-based technology innovation company with whom we partner) referred us to this excellent article which features Marc Andreessen. Andreessen, you'll recall, literally started the commercialization of the web with 1995's Netscape IPO. In the spirit of disclosure: This post is currently being written on Firefox, but Andreessen's contributions and thought

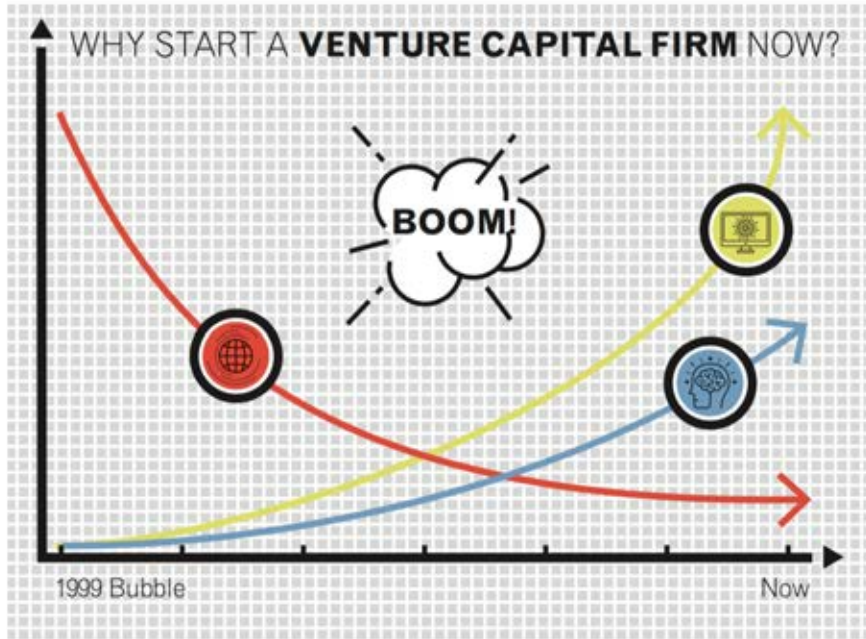
are no less important.

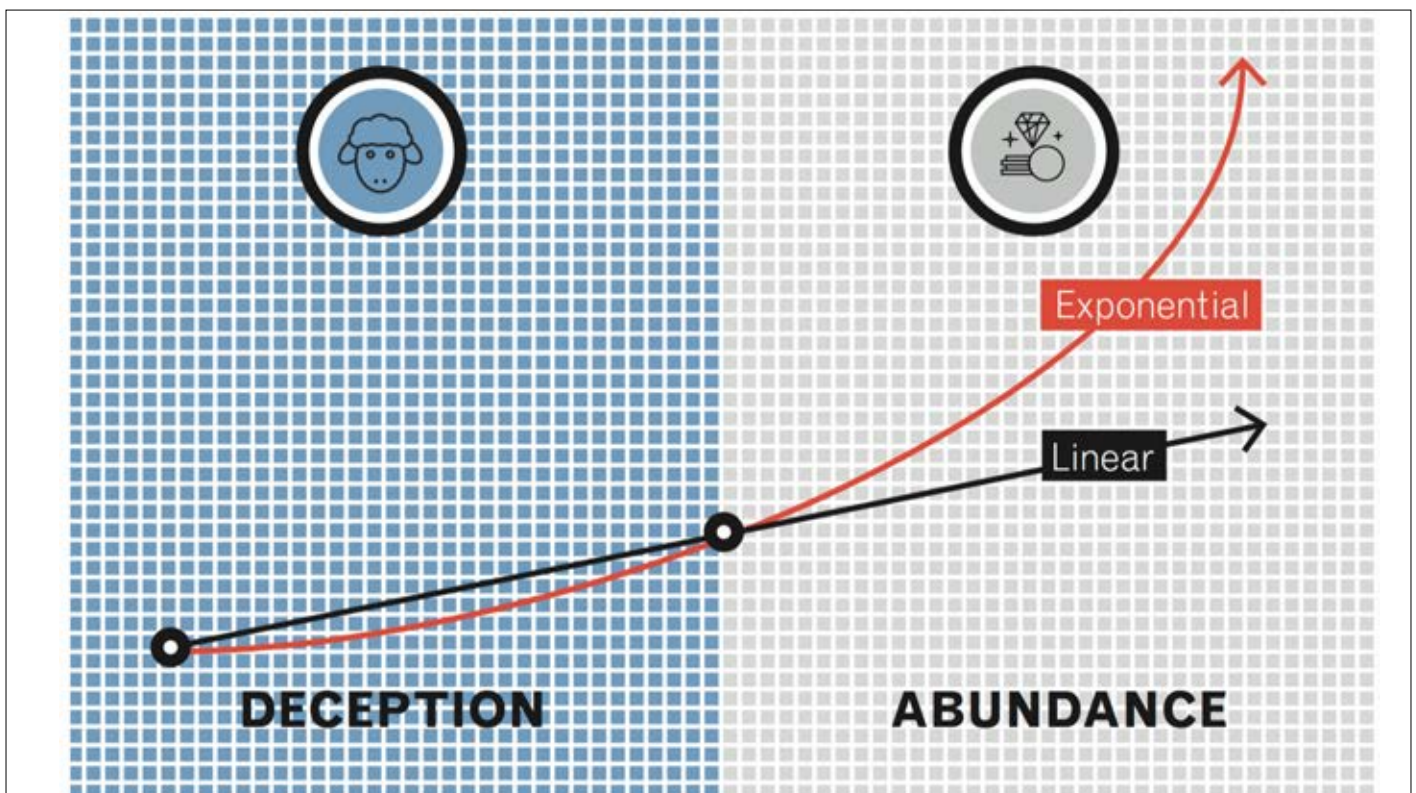
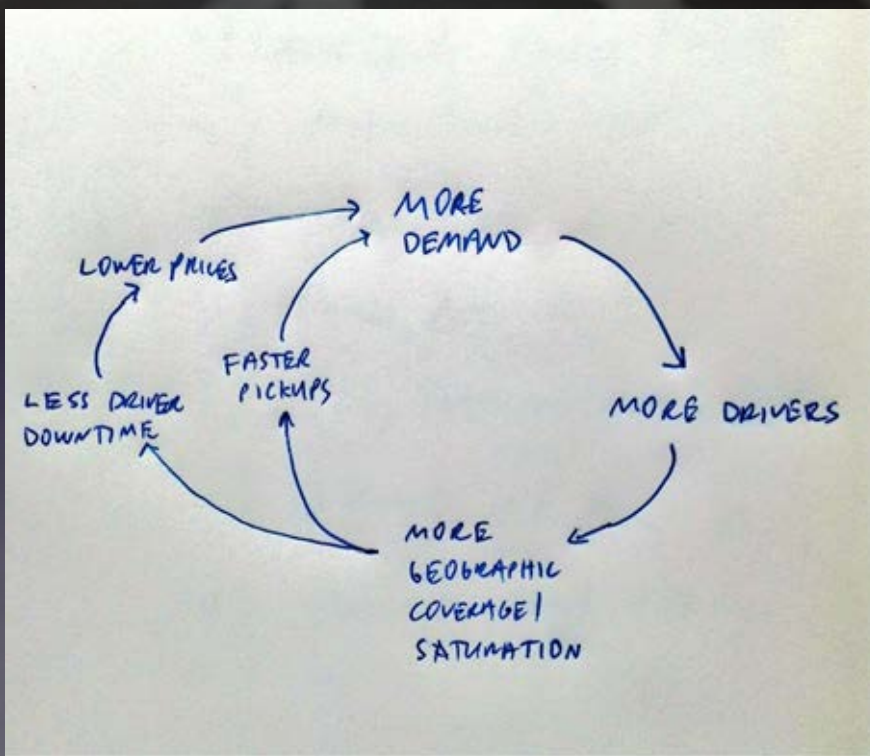
Andreessen says...

More and more major businesses and industries are being run on software and delivered as online services—from movies to agriculture to national defense. Many of the winners are Silicon Valley-style entrepreneurial technology companies that are invading and overturning established industry structures. Over the next 10 years, I expect many more industries to be disrupted by software...

Think about the ways that we communicate with patients, families, and stakeholders. How many of these methods rely on software? Further, how many of these methods rely on software which in turn, relies on other software? Finally, where does all of this software reside?


In short, it's the ubiquity, low cost, and combinability of software that can ultimately change the way that we engage with healthcare which is a powerful





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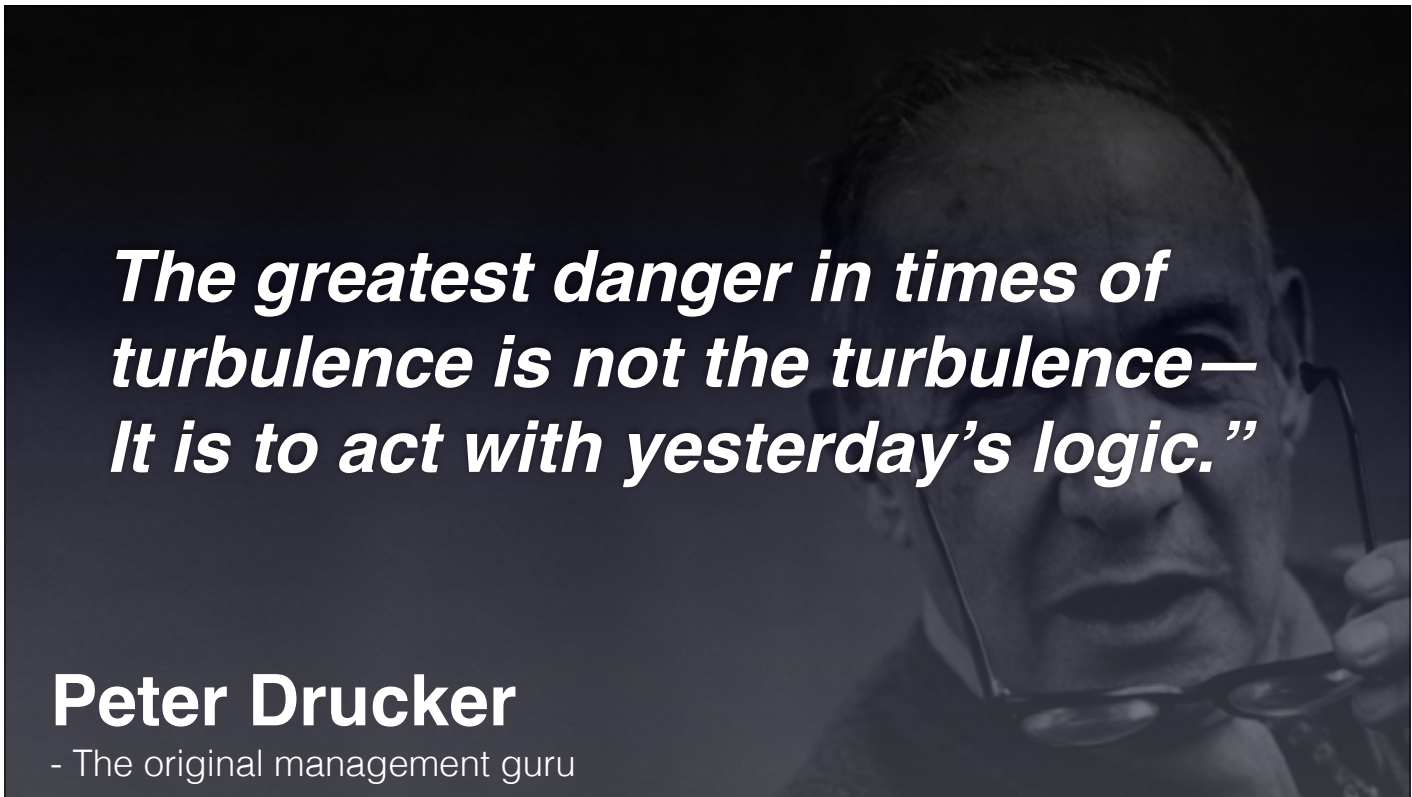


**Nokia CEO ended his speech saying this
“we didn’t do anything wrong, but
somehow, we lost”.**

Published on May 8, 2016



Peter Drucker
- The original management guru



***The greatest danger in times of turbulence is not the turbulence—
It is to act with yesterday's logic.”***

Peter Drucker

- The original management guru

**CATEGORY
KINGS**



VERIZON WILL ACQUIRE YAHOO FOR \$4.8 BILLION

Lara O'Reilly 2h 2,129

FACEBOOK LINKEDIN TWITTER EMAIL PRINT

Verizon will acquire Yahoo's core internet business for about \$4.83 billion in cash, the telecommunications company announced on Monday.

Yahoo will be merged with Verizon's AOL unit under Marni Walden, the executive vice president and president of product innovation and new businesses.

The deal will see Verizon scoop up Yahoo's search, mail, content, and ad-tech businesses.



Yahoo CEO Marissa Mayer. AP Photo/Lionel Cronneau, File

Recommended For You

Marissa Mayer made a cryptic comment about Apple and now it's a big mystery

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G A F B A T



1.65 Billion
on Facebook each month



1 Billion
on WhatsApp each month



900 Million
on Messenger each month



400 Million
on Instagram each month

LIVE

Live Video
Launched worldwide



Connectivity
25 million connected
via Internet.org



Artificial Intelligence
Access for the blind
and visually impaired



Oculus Rift
Shipped with 50+
games and apps

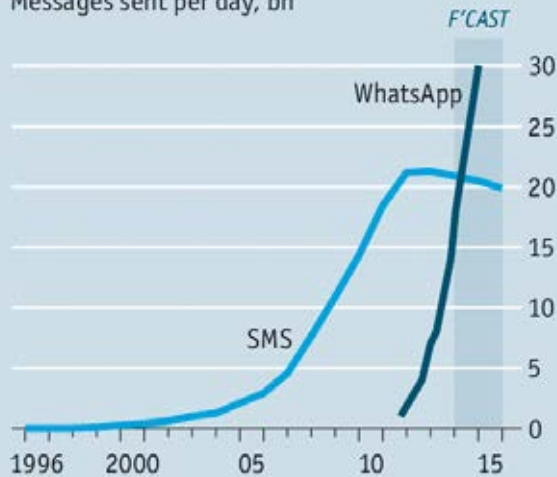
Introduced Reactions



Like Love Haha Wow Sad Angry

OMG, RIP txt

Messages sent per day, bn

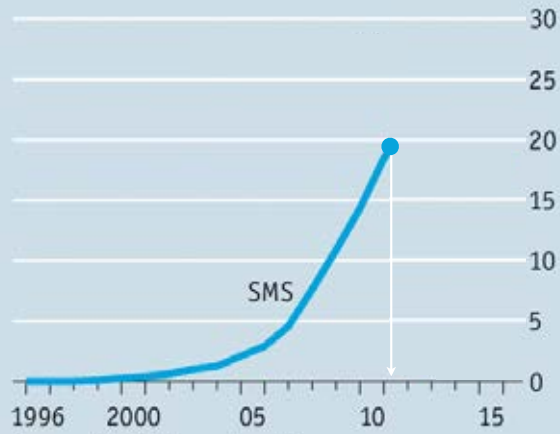


Sources: Portio Research; a16z



facebook

Messages sent per day, bn



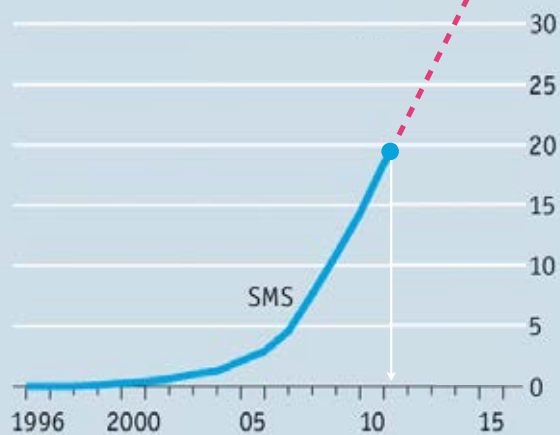
Sources: Portio Research; a16z

Sources: Portio Research; a16z

1996 2000 05 10 15

facebook

Messages sent per day, bn

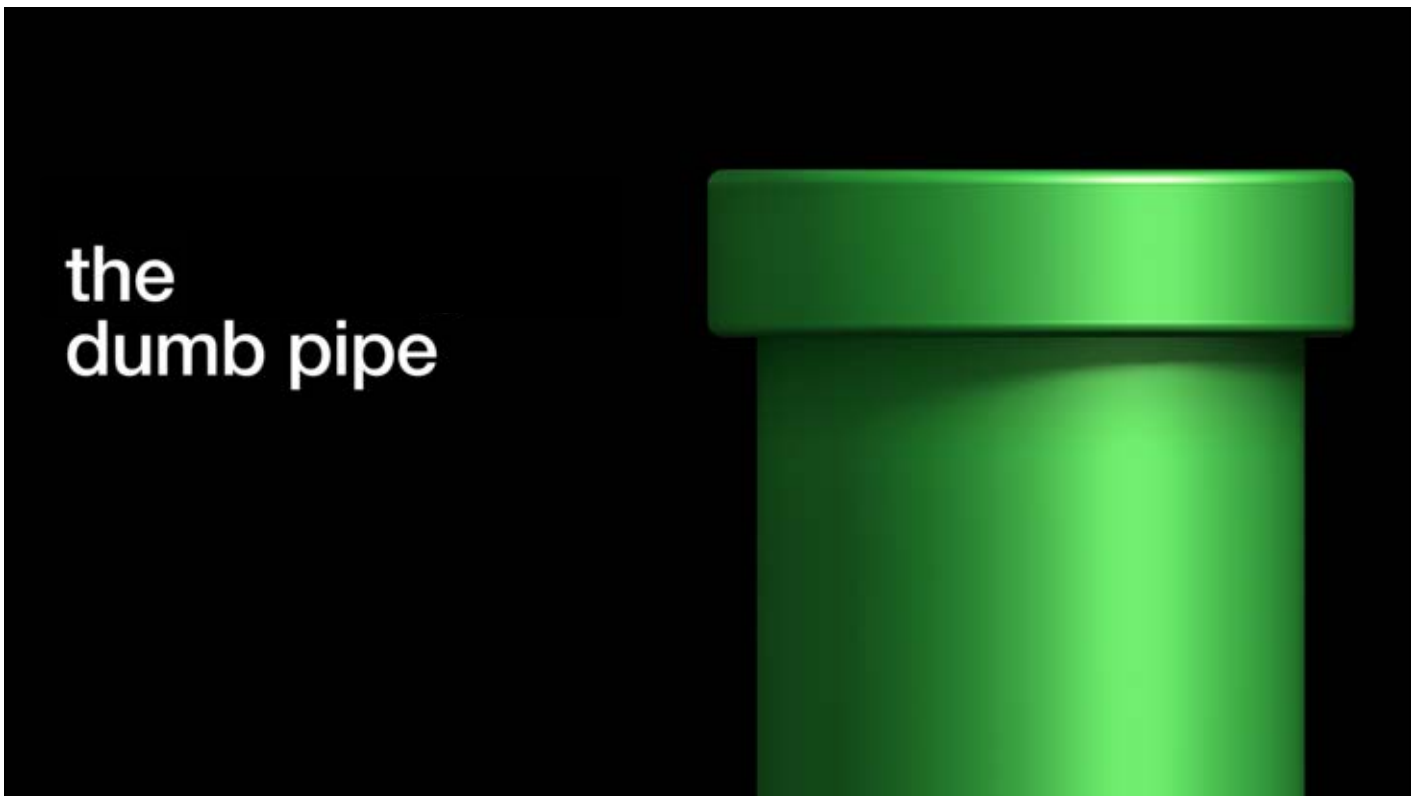
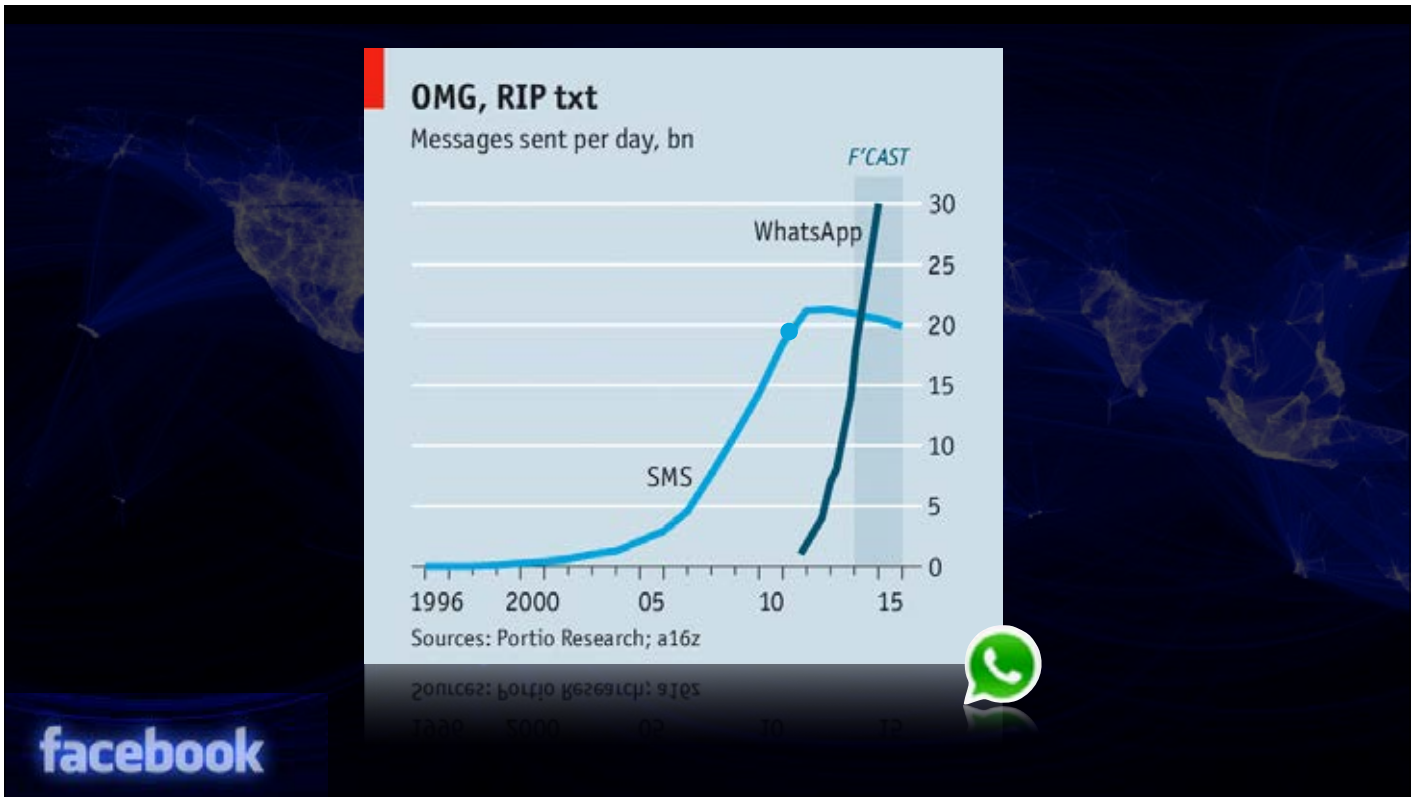


Sources: Portio Research; a16z

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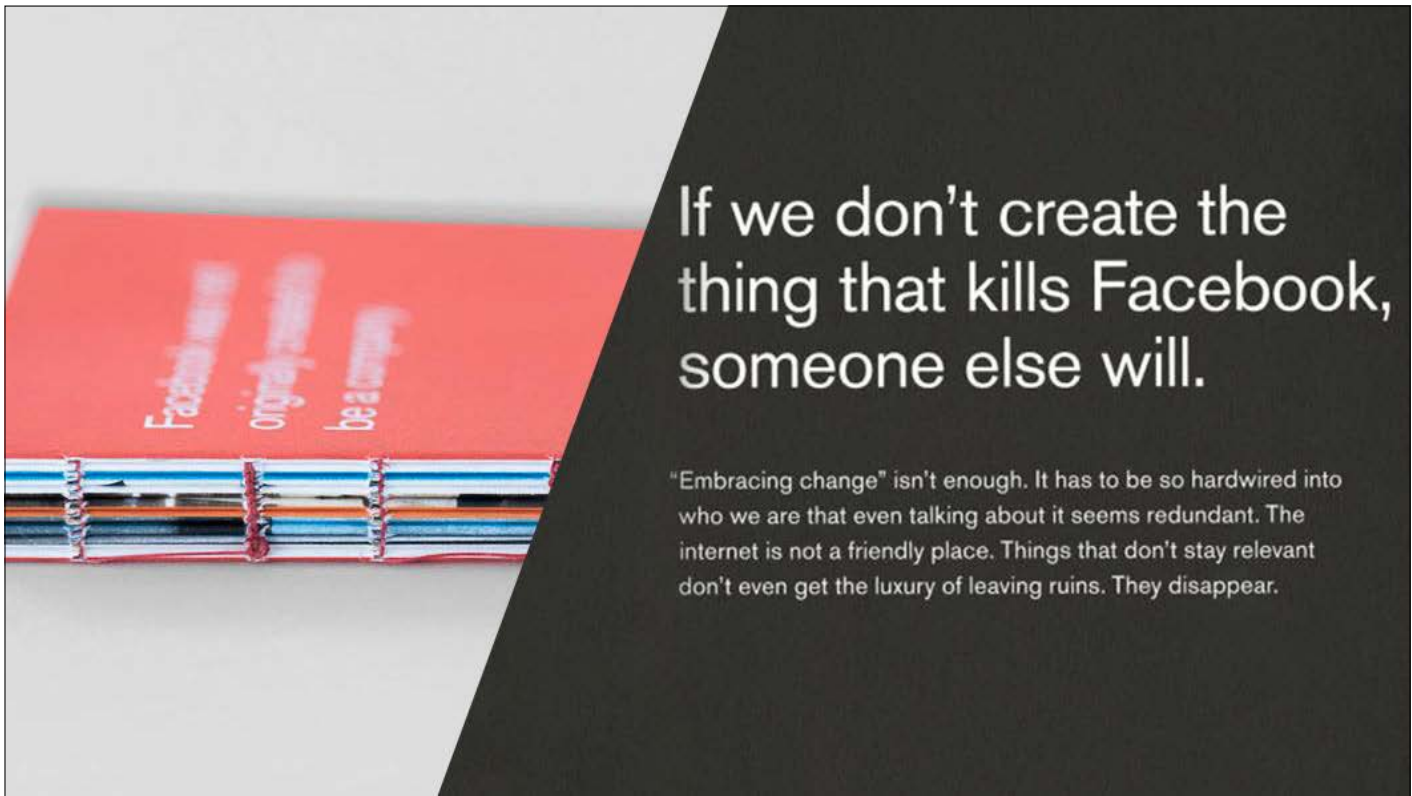
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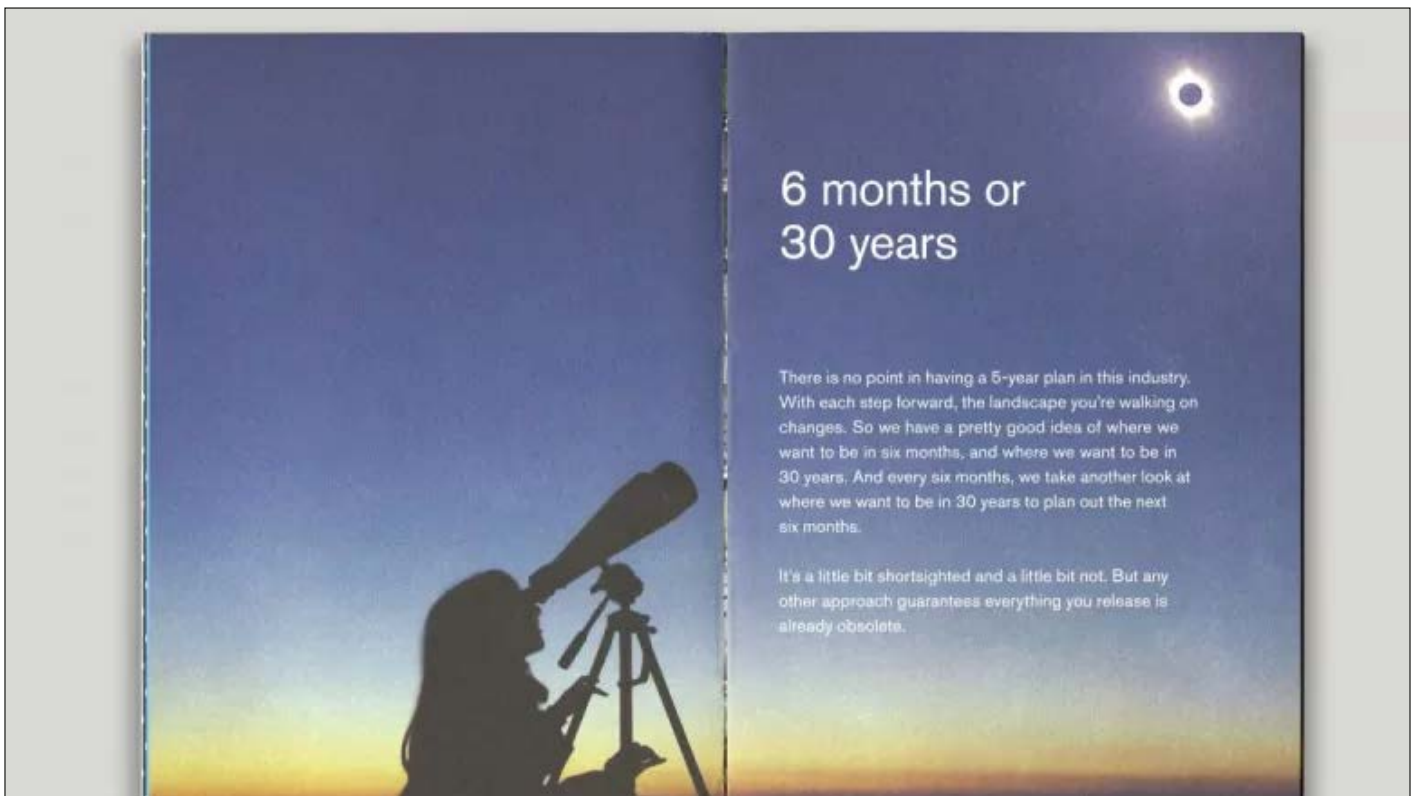






If we don't create the thing that kills Facebook, someone else will.

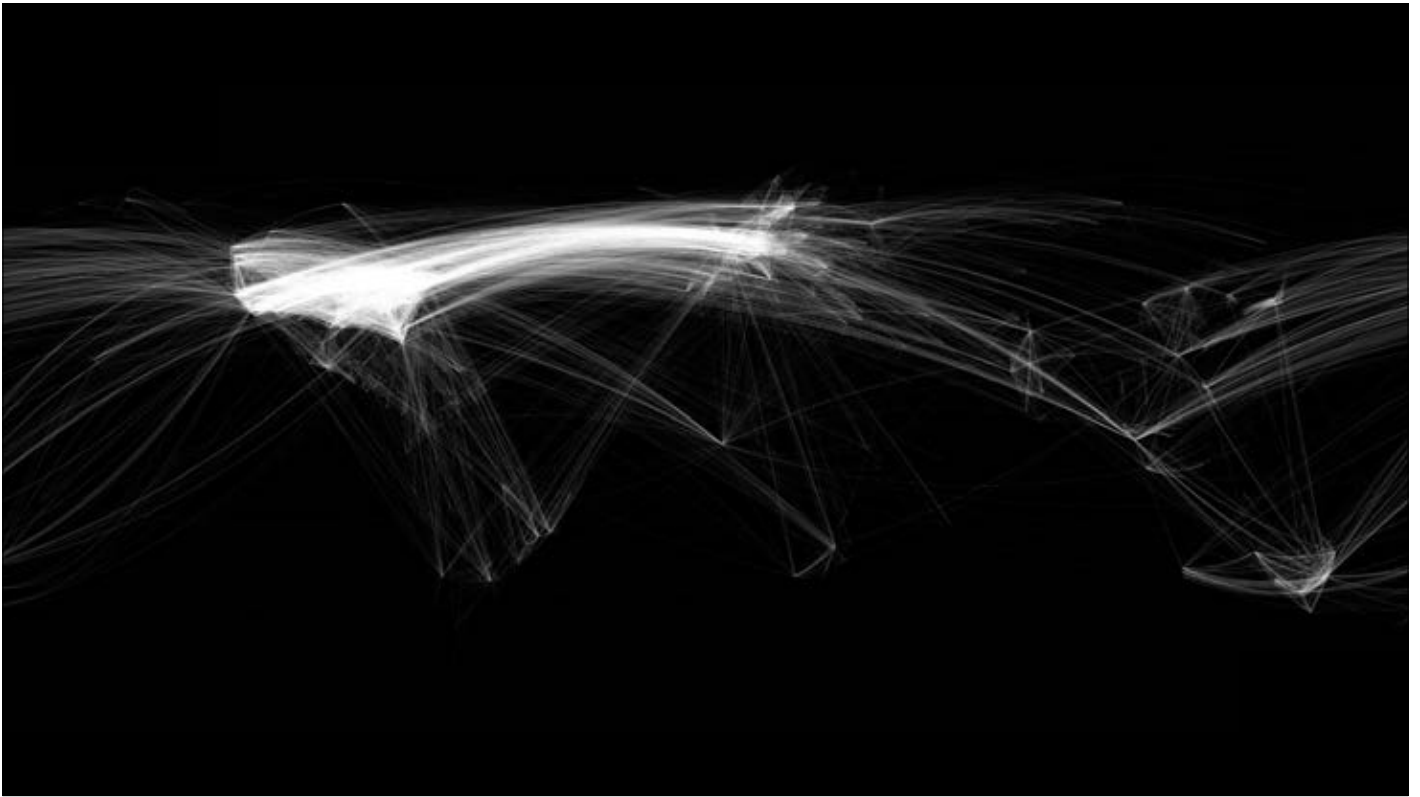
"Embracing change" isn't enough. It has to be so hardwired into who we are that even talking about it seems redundant. The internet is not a friendly place. Things that don't stay relevant don't even get the luxury of leaving ruins. They disappear.



6 months or 30 years

There is no point in having a 5-year plan in this industry. With each step forward, the landscape you're walking on changes. So we have a pretty good idea of where we want to be in six months, and where we want to be in 30 years. And every six months, we take another look at where we want to be in 30 years to plan out the next six months.

It's a little bit shortsighted and a little bit not. But any other approach guarantees everything you release is already obsolete.



President Pinocchio / The Bugs From Brazil

Newsweek

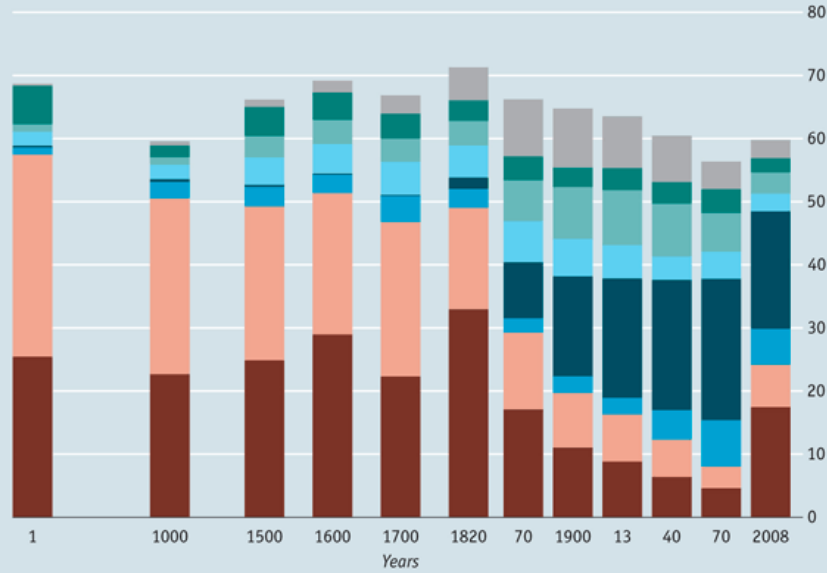
WHY THE
WORLD
HATES
SILICON
VALLEY



A history of world GDP

Percentage of total, 1990 \$ at PPP*

China India Japan US France Germany Italy Britain



Sources: Angus Maddison, University of Groningen; *The Economist*

*Purchasing-power parity

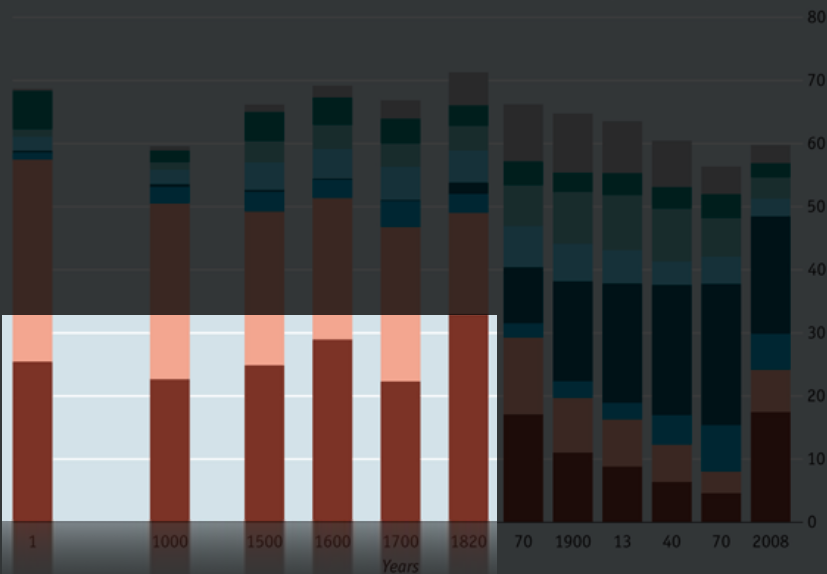
Sources: Angus Maddison, University of Groningen; *The Economist*

*Purchasing-power parity

A history of world GDP

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*Purchasing-power parity

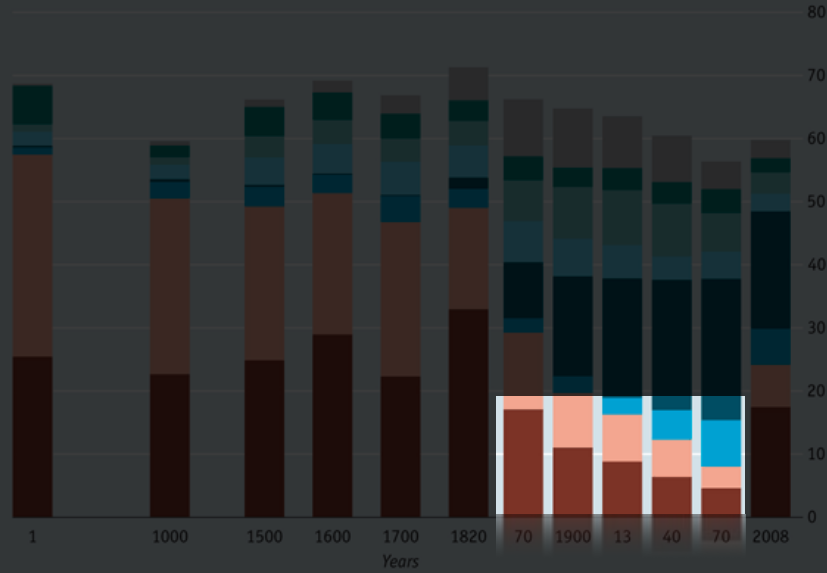
Sources: Angus Maddison, University of Groningen; *The Economist*

*Purchasing-power parity

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China India Japan US France Germany Italy Britain



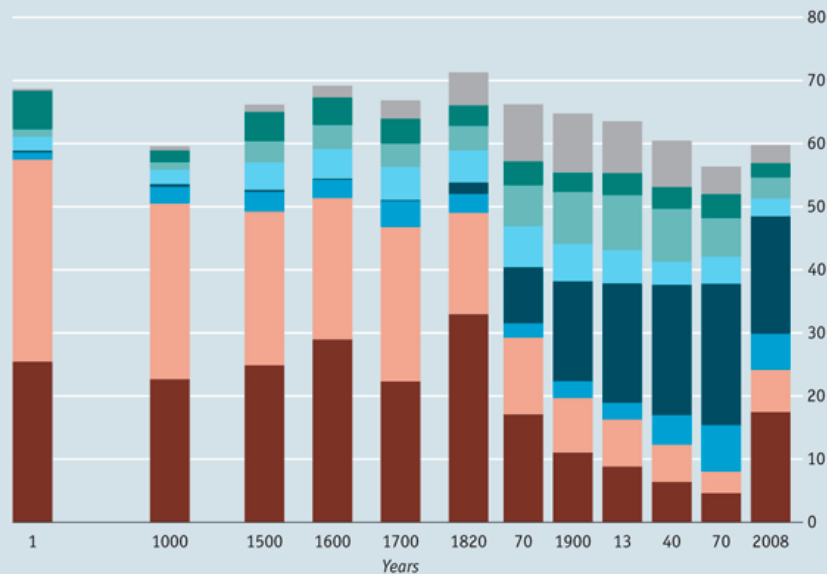
Sources: Angus Maddison, University of Groningen; *The Economist*

*Purchasing-power parity

A history of world GDP

Percentage of total, 1990 \$ at PPP*

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Sources: Angus Maddison, University of Groningen; *The Economist*

*Purchasing-power parity



THE WALL STREET JOURNAL.

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TECH

Kingmakers of China's Internet: Baidu, Alibaba and Tencent

Companies' deep pockets and powerful presence have made them both loved and feared by startups

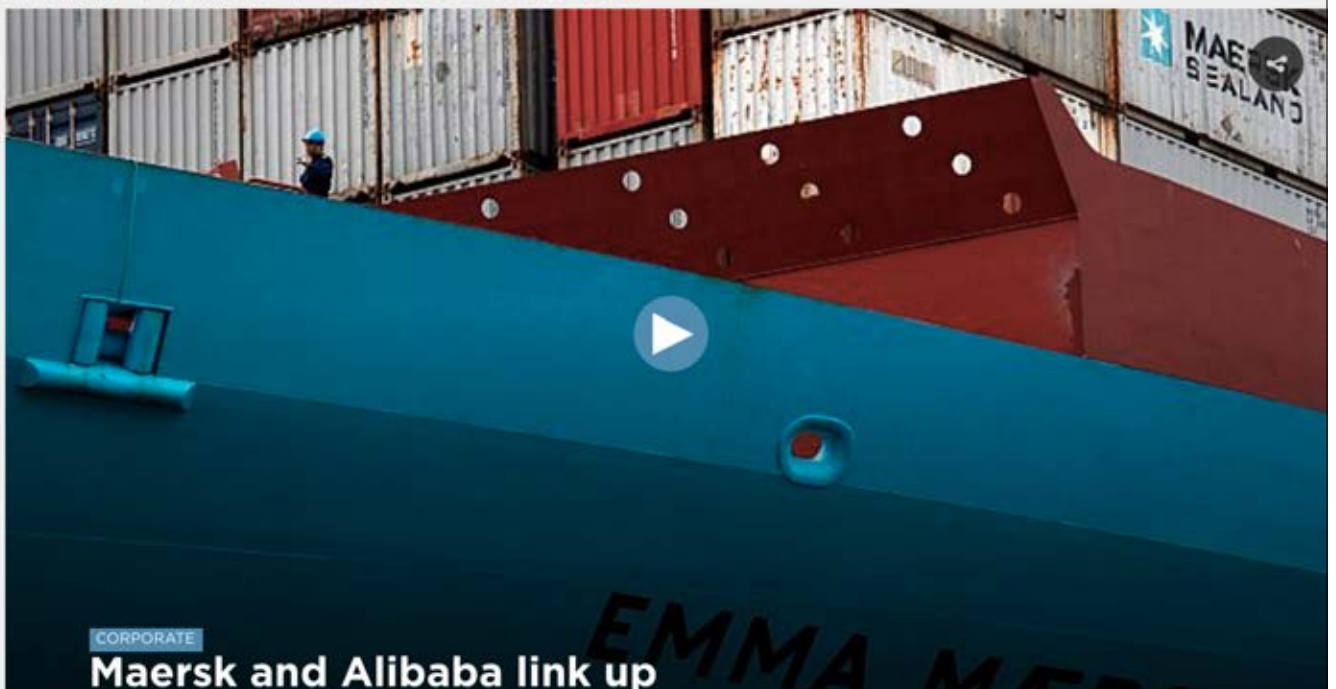




Alibaba sells a record-breaking \$17.8 billion on Singles Day

2.9k
SHARES

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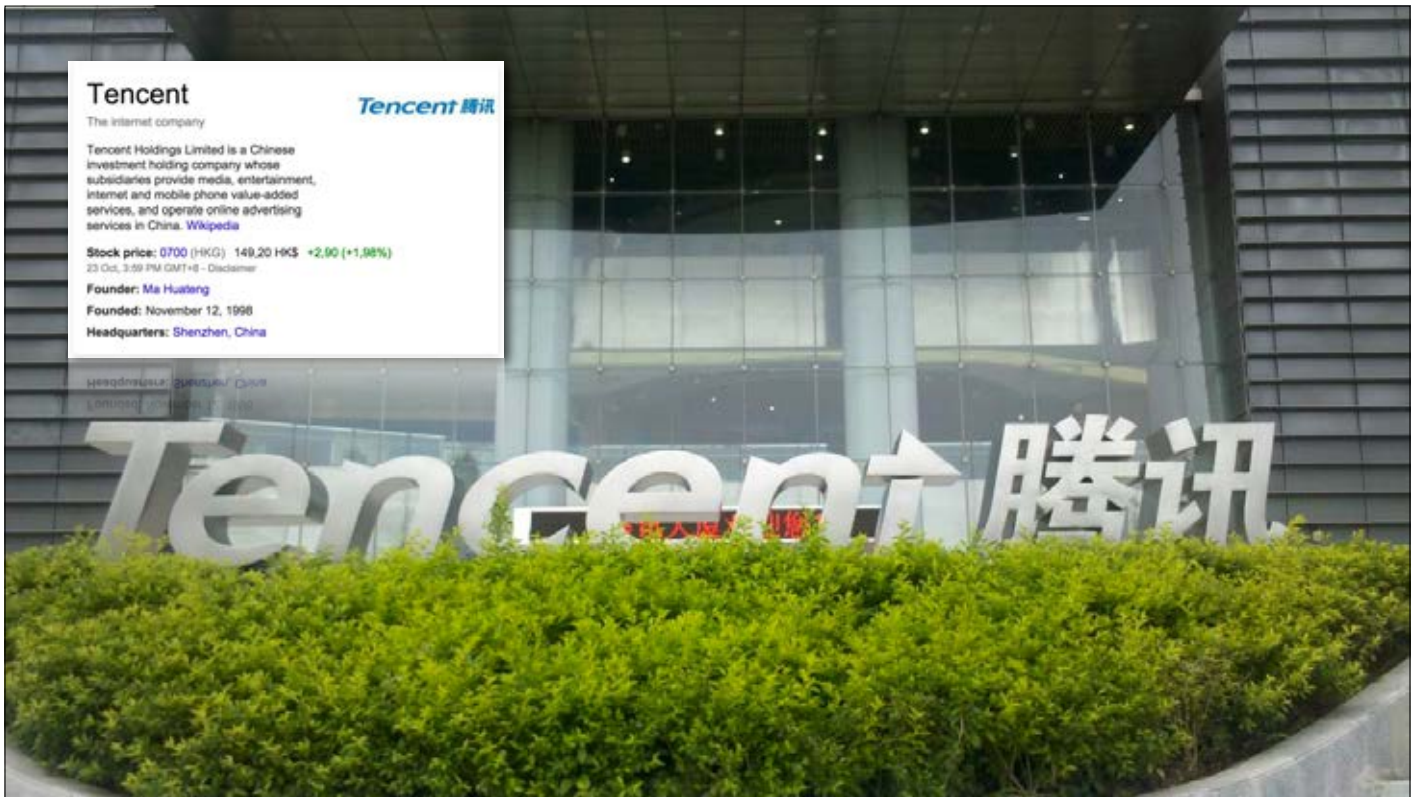
CORPORATE

Maersk and Alibaba link up

THIS WAY UP

Alibaba will sell you anything, including a spot on a container ship

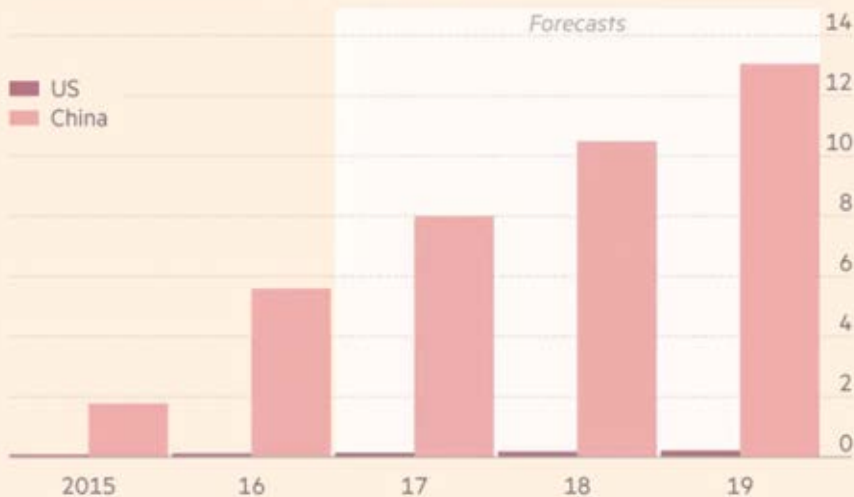






China mobile payments dwarf US

Transaction value of third-party payments (\$tn)



Post-2015 figures are forecasts; renminbi values converted to US\$ at current exchange rate
Sources: Forrester Research (US); iResearch (China)

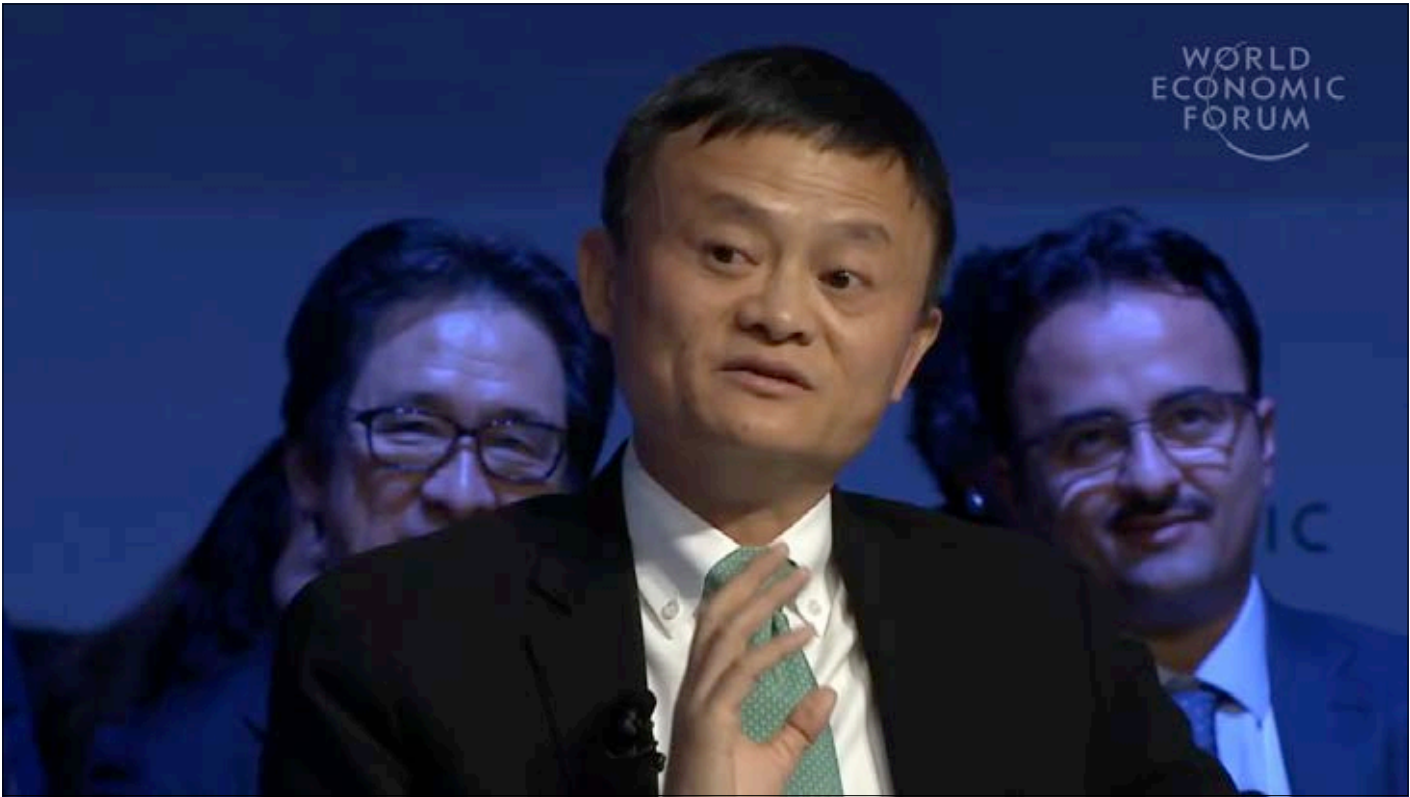
FT

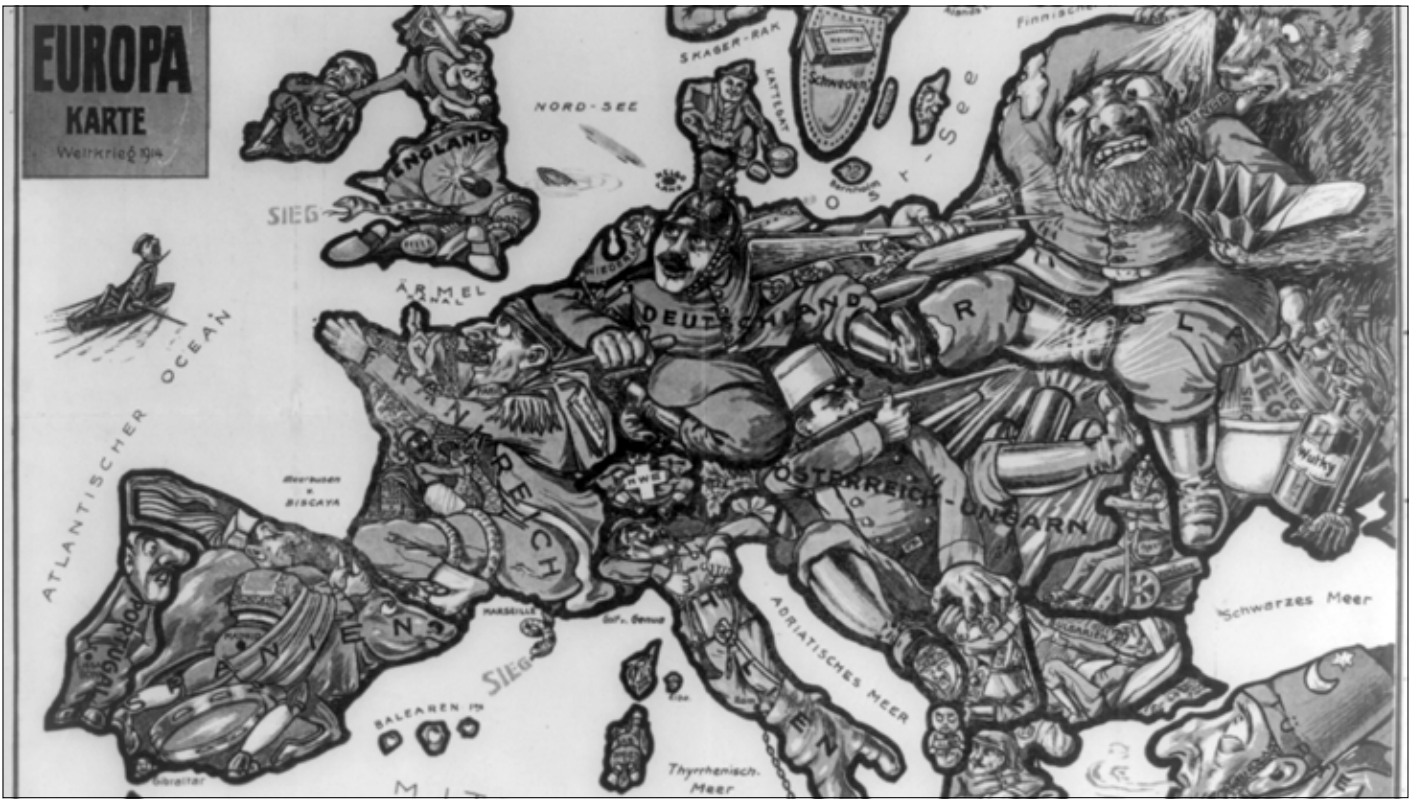
Sources: Forrester Research (US); iResearch (China)

乘風破浪 各顯神通



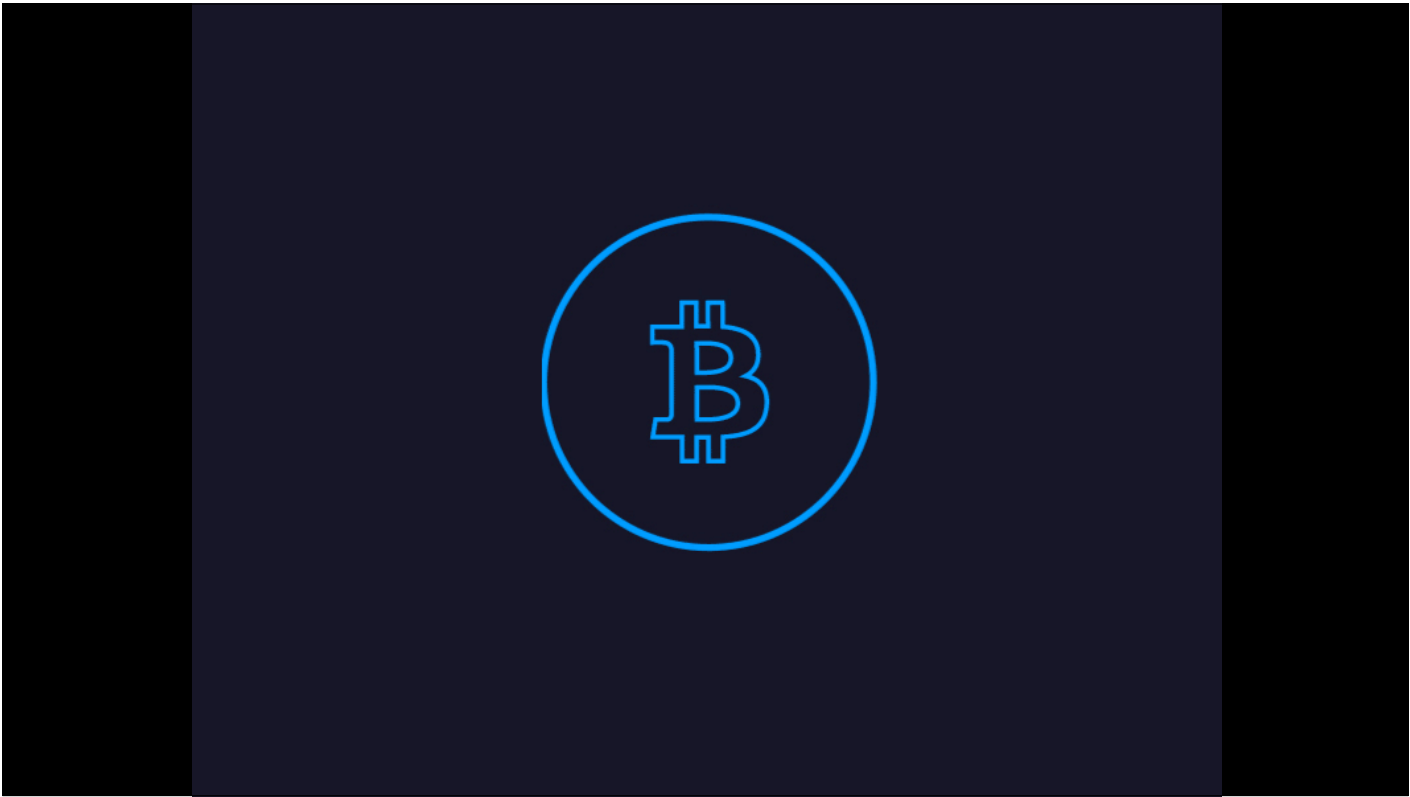
Jack Ma says the world now needs to focus on three important areas







<p>WORLD WIDE WEB</p>	<p>BLOCKCHAIN</p>
<p>USE: BUSINESS TO CONSUMER</p>	<p>USE: BUSINESS TO BUSINESS</p>
<p>FOCUS: CONTENT</p>	<p>FOCUS: TRANSACTIONS</p>





From: Satoshi Nakamoto <satoshi <at> vistomail.com>
Subject: Bitcoin P2P e-cash paper
Newsgroups: gmane.comp.cryptography.general
Date: Friday 31st October 2008 18:10:00 UTC (over 8 years ago)

I've been working on a new electronic cash system that's fully peer-to-peer, with no trusted third party.

The paper is available at:
<http://www.bitcoin.org/bitcoin.pdf>

The main properties:
Double-spending is prevented with a peer-to-peer network.
No mint or other trusted parties.
Participants can be anonymous.
New coins are made from Hashcash style proof-of-work.
The proof-of-work for new coin generation also powers the network to prevent double-spending.

Bitcoin: A Peer-to-Peer Electronic Cash System

Abstract. A purely peer-to-peer version of electronic cash would allow online payments to be sent directly from one party to another without the burdens of going through a financial institution. Digital signatures provide part of the solution, but the main benefits are lost if a trusted party is still required to prevent double-spending. We propose a solution to the double-spending problem using a peer-to-peer network. The network timestamps transactions by hashing them into an ongoing chain of hash-based proof-of-work, forming a record that cannot be changed without redoing the proof-of-work. The longest chain not only serves as proof of the sequence of events witnessed, but proof that it came from the largest pool of CPU power. As long as honest nodes control the most CPU power on the network, they can generate the longest chain and outpace any attackers. The network itself requires minimal structure. Messages are broadcasted on a best effort basis, and nodes can leave and rejoin the network at will, accepting the longest proof-of-work chain as proof of what happened while they were gone.

Full paper at:
<http://www.bitcoin.org/bitcoin.pdf>

Satoshi Nakamoto

The Cryptography Mailing List
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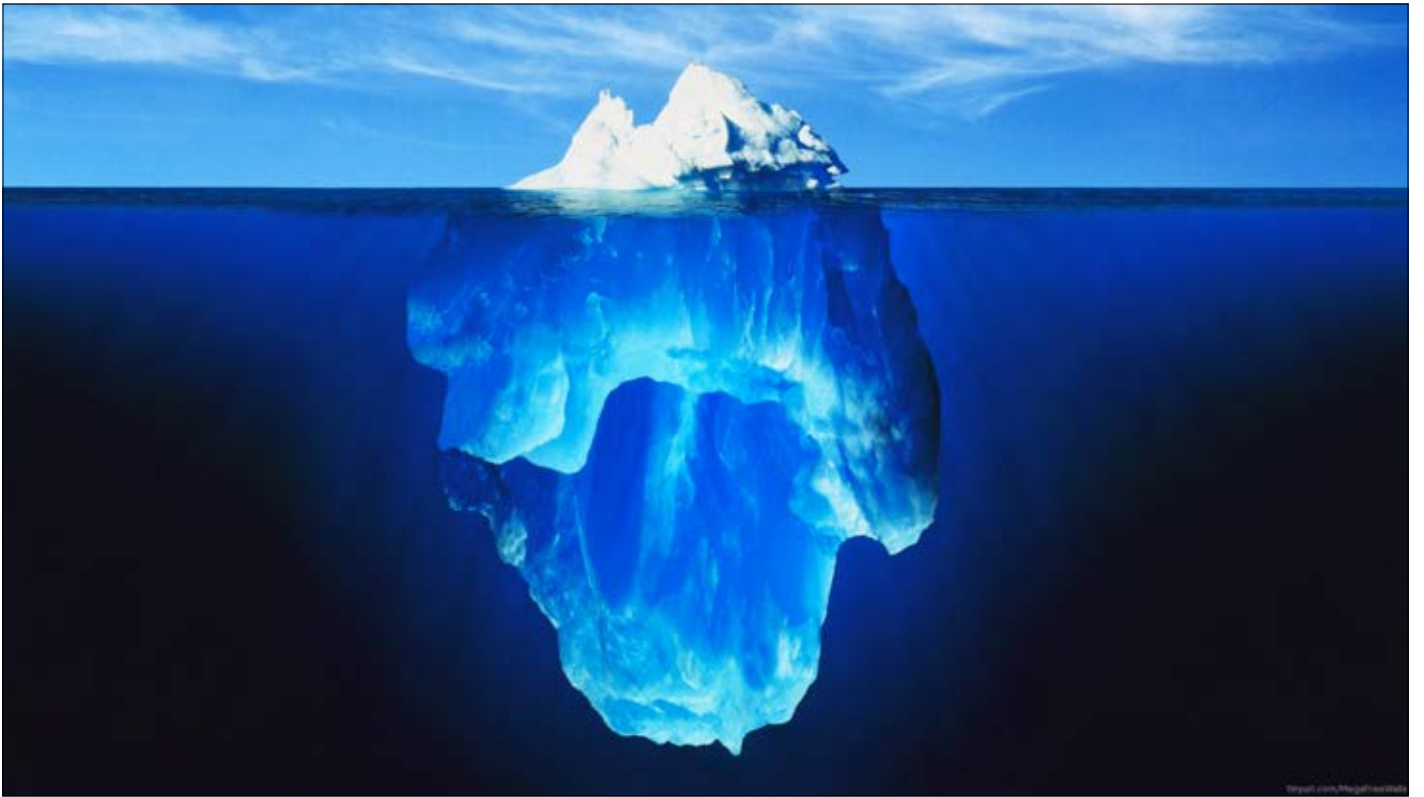
Bitcoin: A Peer-to-Peer Electronic Cash System

Satoshi Nakamoto
satoshi@gmx.com
www.bitcoin.org

Abstract. A purely peer-to-peer version of electronic cash would allow online payments to be sent directly from one party to another without going through a financial institution. Digital signatures provide part of the solution, but the main benefits are lost if a trusted third party is still required to prevent double-spending.







**BITCOIN
CURRENCY**



**BLOCKCHAIN
PLATFORM**



**GLOBAL
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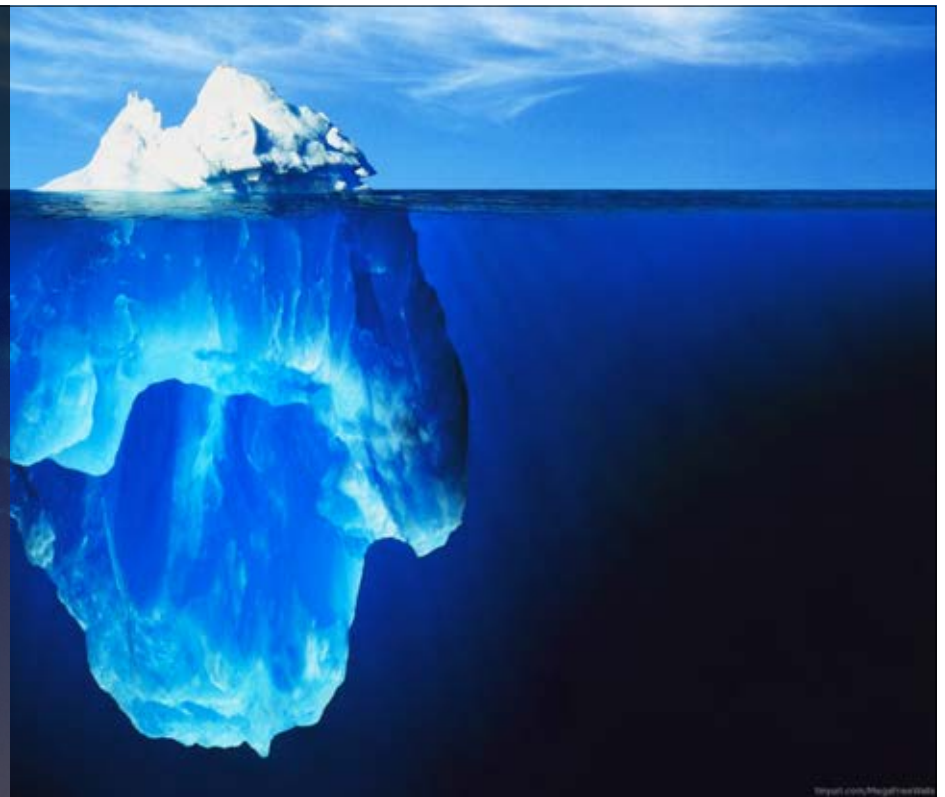


Image: iStockphoto.com

INSIDE: A 12-PAGE SPECIAL REPORT ON COLOMBIA

**The
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OCTOBER 2017 - NOVEMBER 2018 Economist.com

- 007 and the spectre of Britain's past
- Turkey votes to the sound of bombs
- Those ever-creative accountants
- America takes the fight to IS
- Coywolves: the new superpredator

The trust machine

How the technology behind bitcoin
could change the world



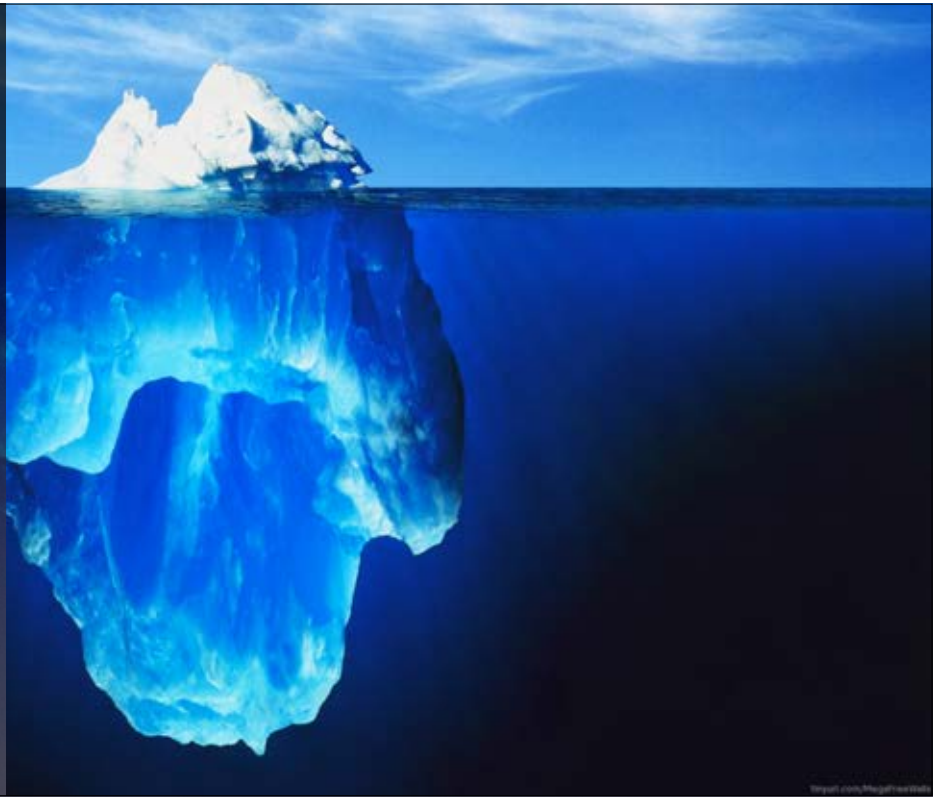
OCTOBER 13 2017 NOVEMBER 11 2018

Worldwide

BLOCKCHAIN PLATFORM



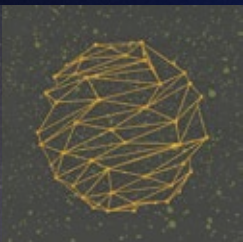
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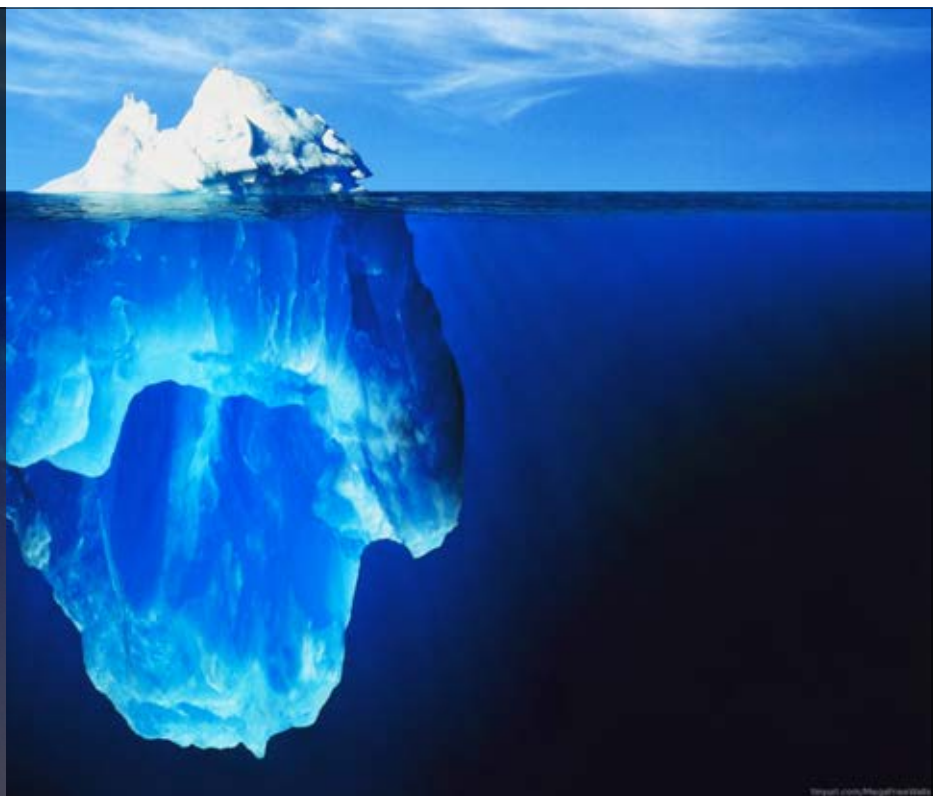
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SMART
CONTRACTS  **ethereum**

BLOCKCHAIN PLATFORM



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Vitalik Buterin

Ethereum founder and crypto-2.0 R&D, and other fun stuff

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I was born in 1994 in Russia and moved to Canada in 2000, where I went to school. I first discovered Bitcoin in 2011, and the combination of math, economics and an immediate feeling that it represented the way that money "should be" attracted me immediately to the scene. My first efforts consisted of writing for [Bitcoin Weekly](#), and in September 2011 I became the cofounder and original head writer for [Bitcoin Magazine](#). In 2013, I left university to work on cryptocurrency as a writer and software developer full-time, which I have continued to be ever since.

My primary parvum opus is [Ethereum](#), a blockchain-based arbitrary-state Turing complete scripting platform useful for smart contracts, computational resource marketplaces, financial experimentation, decentralized governance and many other use cases that we have not even thought of.

My personal and academic interests include mathematics, cryptography, economics, philosophy, learning languages (started Mandarin a year ago) and exploring interesting places like the one that's the background of this screen.

[Often Toronto; changes quite a lot though.](#)

- [Egora](#)
- [Kryptokit](#)
- [Ethereum](#)
- [Bitcoin Magazine](#)



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PETER THIEL ANNOUNCES 2014 CLASS OF THIEL FELLOWS



JUNE 5, 2014 > POSTED BY ADMIN

Peter Thiel Announces 2014 Class of Thiel Fellows

PETER THIEL ANNOUNCES 2014 CLASS OF THIEL FELLOWS



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THE THIEL FOUNDATION

PROFILE

Peter Thiel


Peter Thiel is a technology entrepreneur and investor.

He first gained attention for innovations in banking and startup finance. Today he is known as the mentor of the PayPal mafia of entrepreneurs, as well as for his warnings of a coming technology deficit with severe economic consequences. He works to accelerate innovation to prevent such a crisis by identifying and funding promising technology ideas and by guiding successful companies to scale and dominate their industries.

In 1998, Mr. Thiel made e-commerce easier, faster, and more secure by co-founding and leading [PayPal](#), which now has more than 128 million active financial accounts. In



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the ethereum ether sale has now concluded.

ether sale ends in:	Estimated ether purchased:	time remaining at current price:
0 : 0 : 0 : 0	60,102,216 ETH	0 : 0 : 0 : 0





Francesco Petrarca, 1572 (Tröstspiegel in Glück und Unglück)





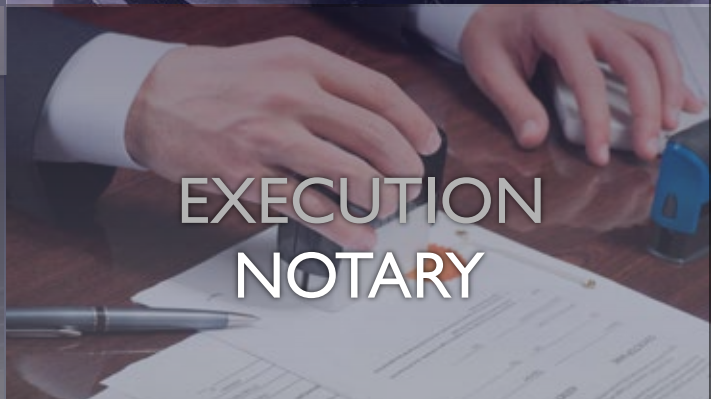
ASSET
WRITTEN WILL



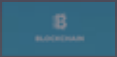
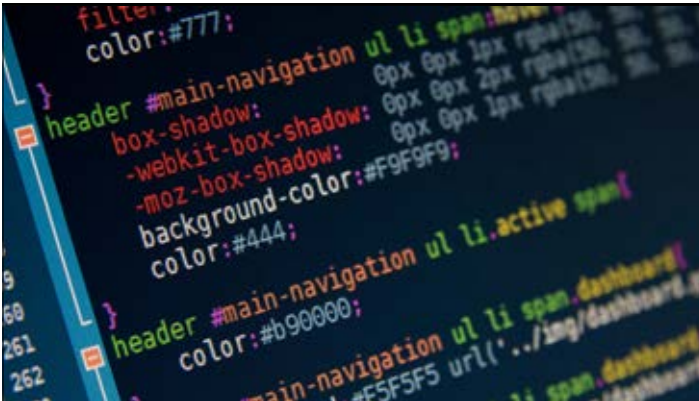
TRIGGER
READING OF THE WILL



LIVES
VAULT



EXECUTION
NOTARY







[Download Now: CoinDesk Launches Q2 State of Blockchain Report](#)

JP Morgan's Jamie Dimon: Bitcoin Is a 'Fraud'

Sep 12, 2017 at 19:46 UTC by Stan Higgins

JPMorgan CEO Jamie Dimon says bitcoin is a fraud that will eventually blow up



JPMorgan CEO Jamie Dimon says bitcoin is a fraud that will eventually blow up

JPMorgan Chase CEO Jamie Dimon took a shot at [bitcoin](#), saying the cryptocurrency "is a fraud."

"It's worse than tulip bulbs. It won't end well. Someone is going to get killed," Dimon said at a banking industry conference organized by Barclays. "Currencies have legal support. It will blow up."

Dimon also said he'd "fire in a second" any JPMorgan trader who was trading bitcoin, noting two reasons: "It's against our rules and they are stupid."

Bitcoin fell to its session lows after Dimon's comments. As of 3:01 p.m. in New York, bitcoin traded at \$4,106.23, down 2 percent.

Dimon's criticism comes at a time when some of the most well-known figures on Wall Street are starting to embrace the cryptocurrency. Fundstrat's Tom Lee said he sees bitcoin [surging to \\$6,000 next year](#) and value investor [Bill Miller reportedly owns bitcoin](#).



Jamie Dimon Slams Bitcoin as a 'Fraud'

By [Hugh Son](#) and [Hannah Levitt](#)

September 12, 2017, 8:09 PM GMT+2 Updated on September 12, 2017, 9:00 PM GMT+2

- Dimon compares bitcoin to tulip mania, predicting a collapse
- Still, he says, it's a good option for murderers, drug dealers



Economics Bitcoin Cryptocurrency Technology Money and Banking Money Apps
Ethereum Distributed Ledgers

IMF Head Foresees the End of Banking and the Triumph of Cryptocurrency



In a remarkably **frank talk** at a Bank of England conference, the Managing Director of the International Monetary Fund has speculated that Bitcoin and cryptocurrency have as much of a future as the Internet itself. **It could displace central banks, conventional banking, and challenge the monopoly of national monies.**

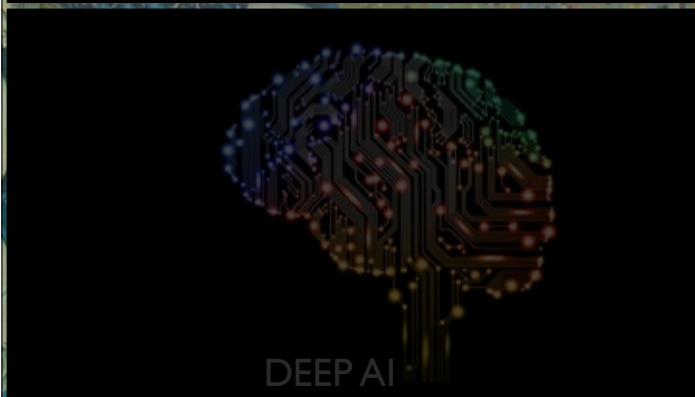
συμπληρωματική δραστηριότητα που επιτρέπει την προσαρμογή σε αλλαγές στην αγορά



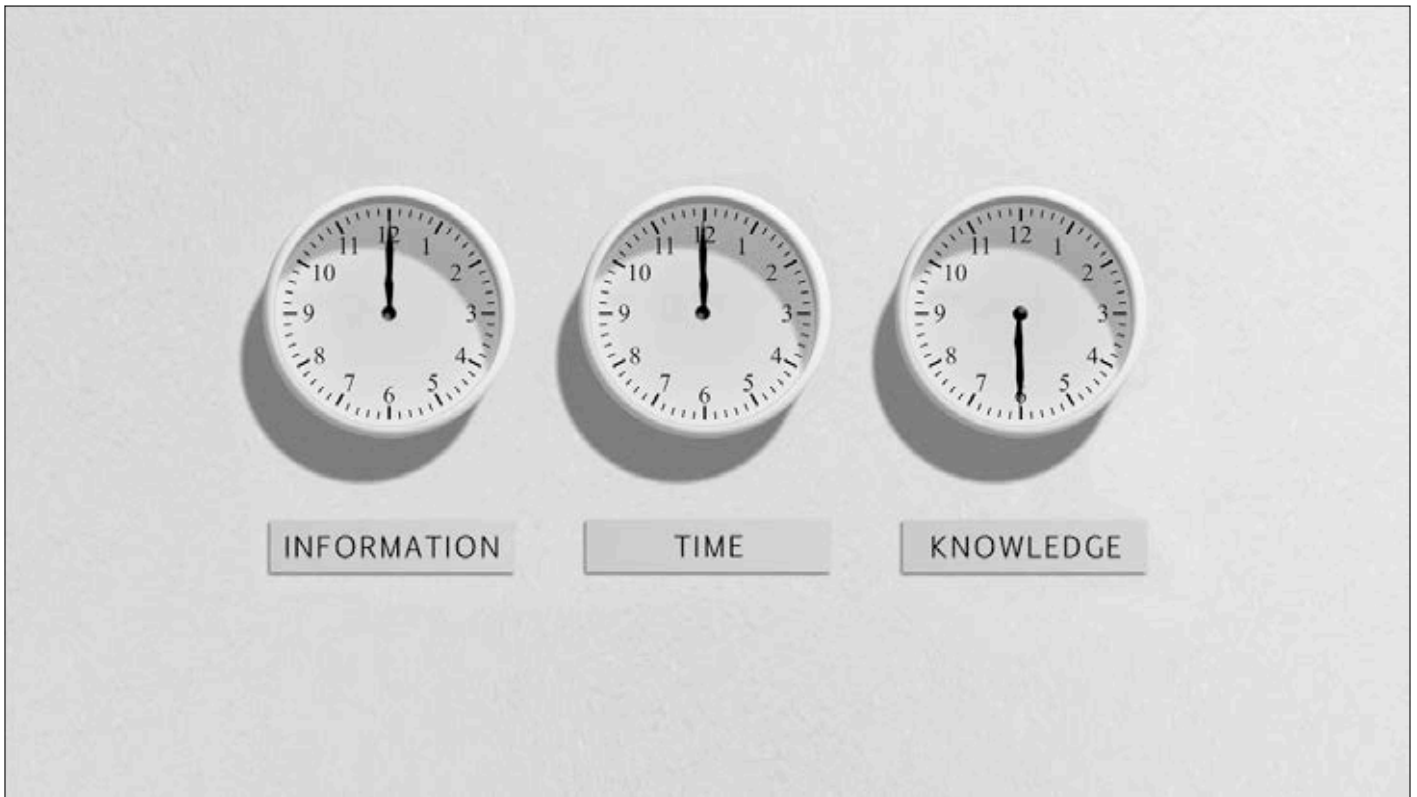
IMF Managing Director Christine Lagarde

So in many ways, virtual currencies might just give existing currencies and monetary policy a run for their money. The best response by central bankers is to continue running *effective* monetary policy, while being open to fresh ideas and new demands, as economies evolve.

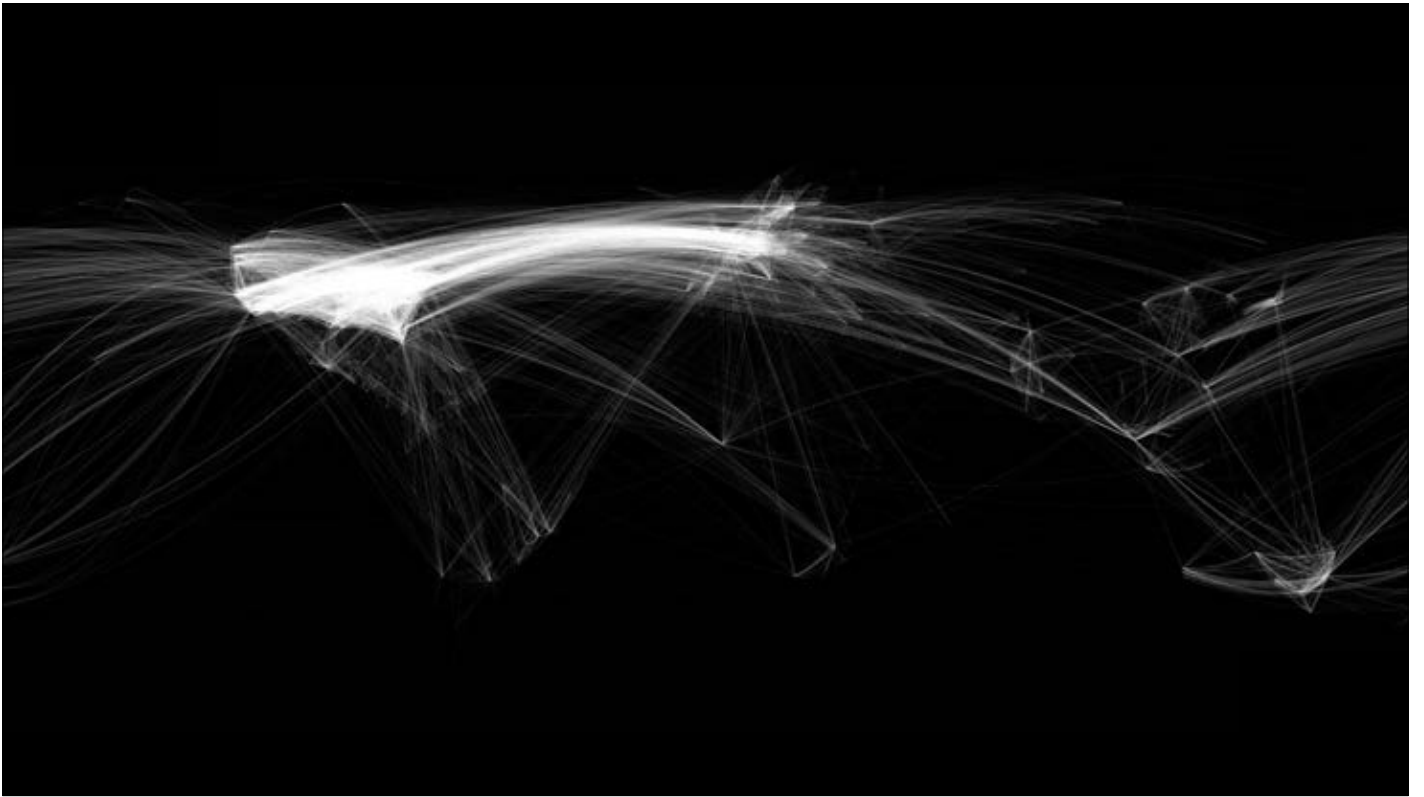
HOW DO WE GET THERE? BY ECONOMICS 101/102







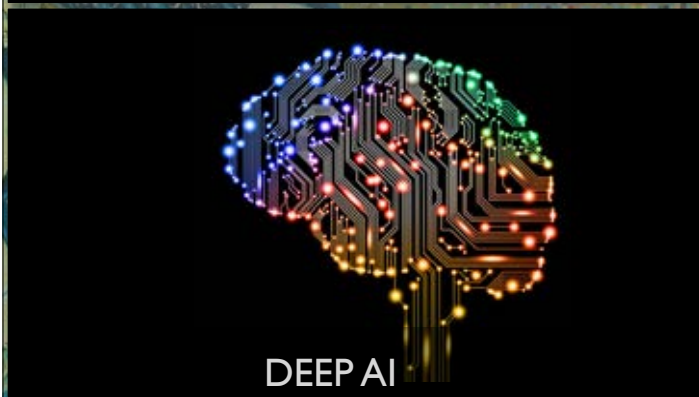
Work like a network.



GLOBAL NETWORK PLATFORMS



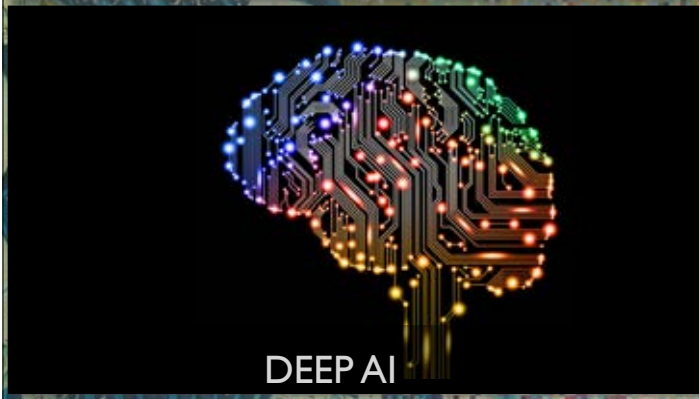
FLUID DATA



DEEP AI



ROBOTICS



Poker pros vs the machines


The world's best poker players are getting crushed by AI




Report of the world's best

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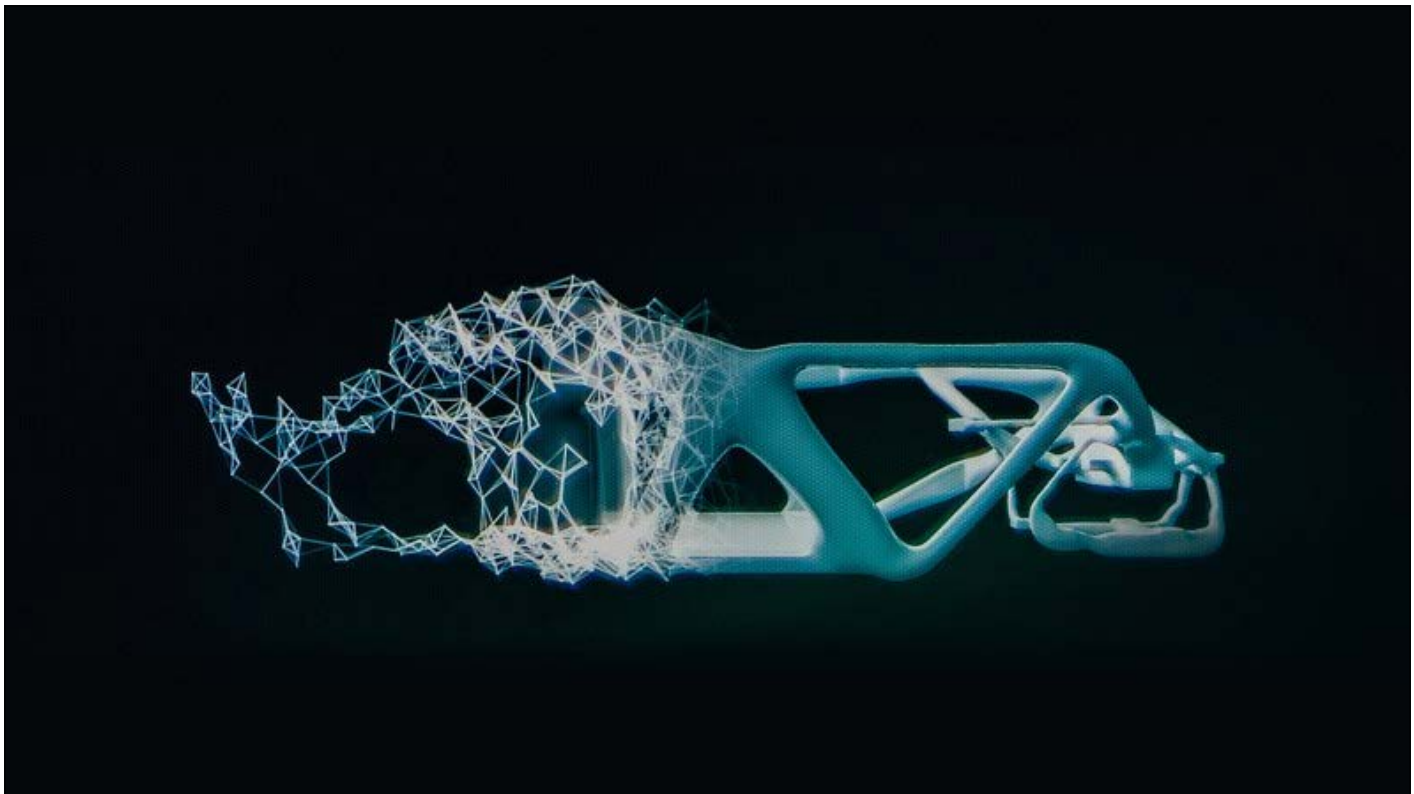
Libratus, the poker-playing AI, destroyed its four human rivals

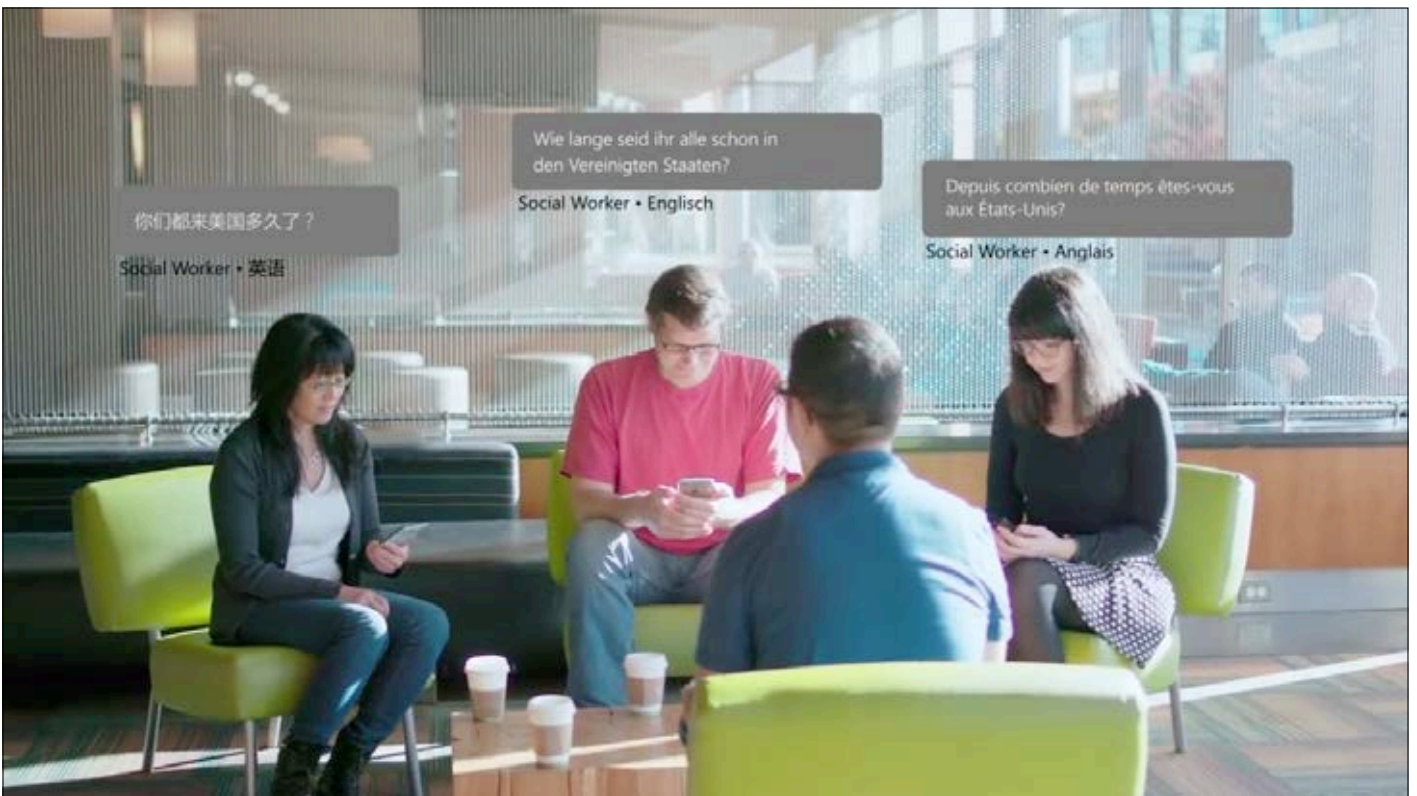
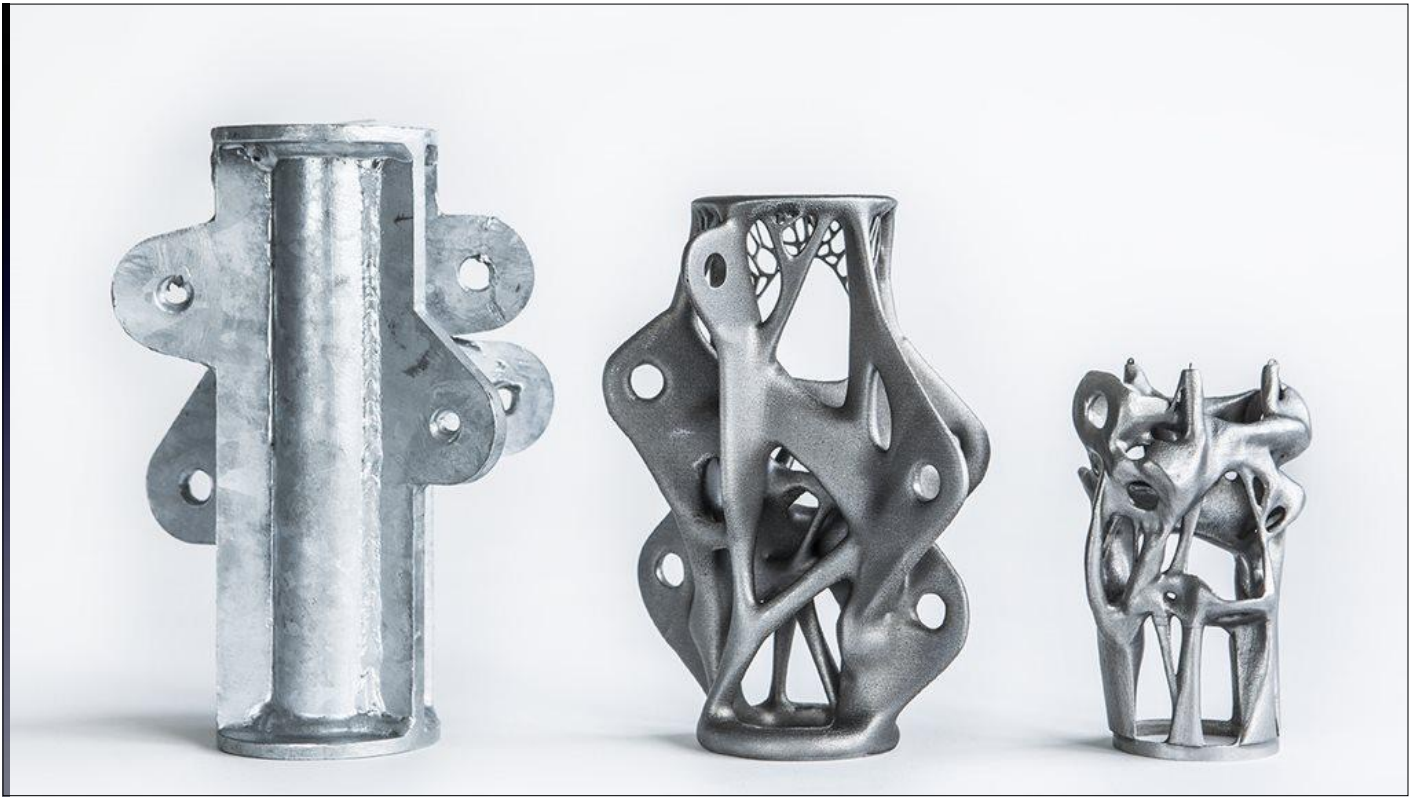
Sorry, fellow humans: It wasn't even close.

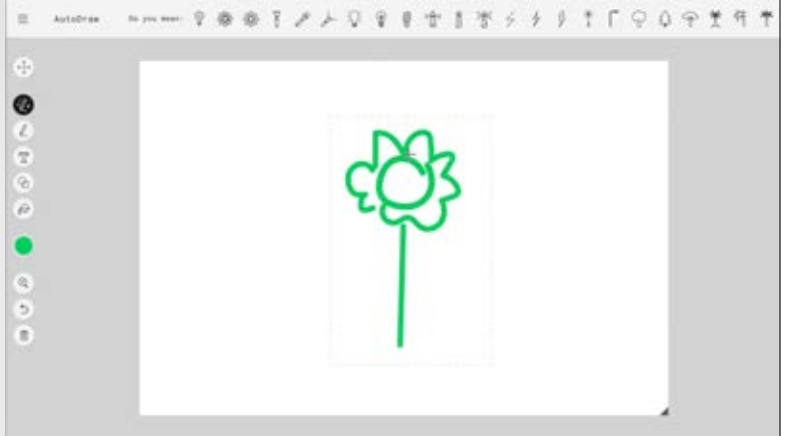
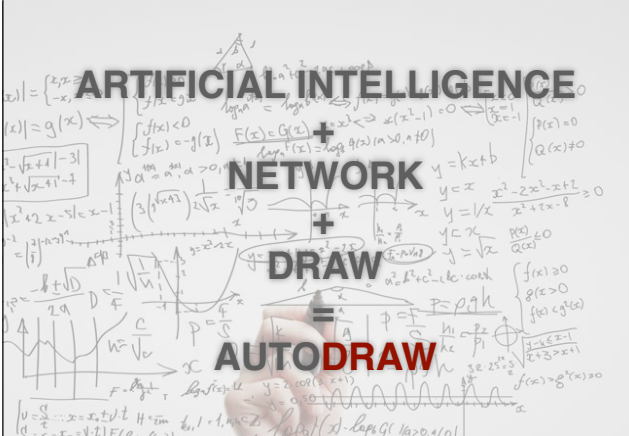
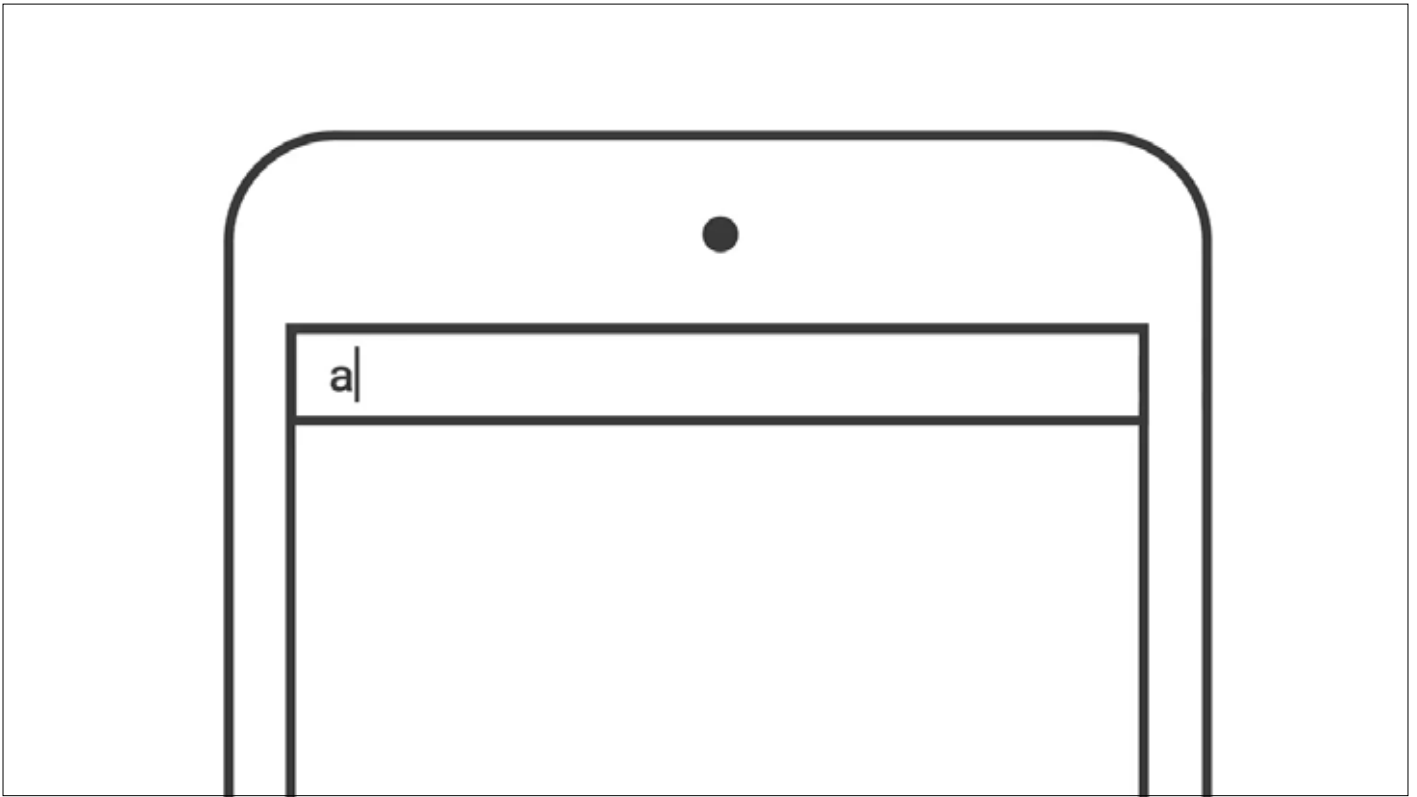
Chris Velazco, @chrisvelazco 01.31.17 in Robots

14 Comments 1126 Shares f t e m





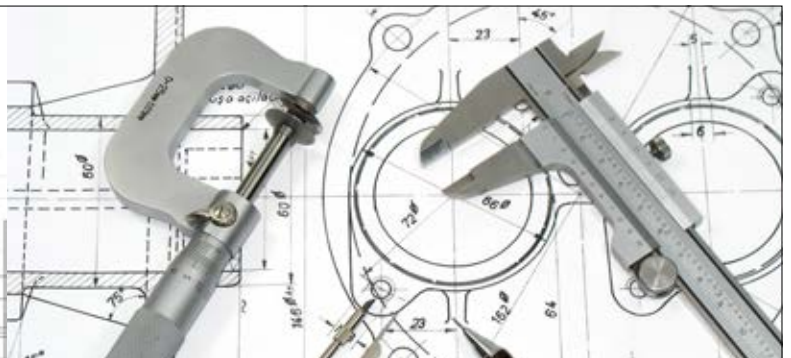






ARTIFICIAL INTELLIGENCE
NETWORK
AUTOCAD
AUTOARCHITECT

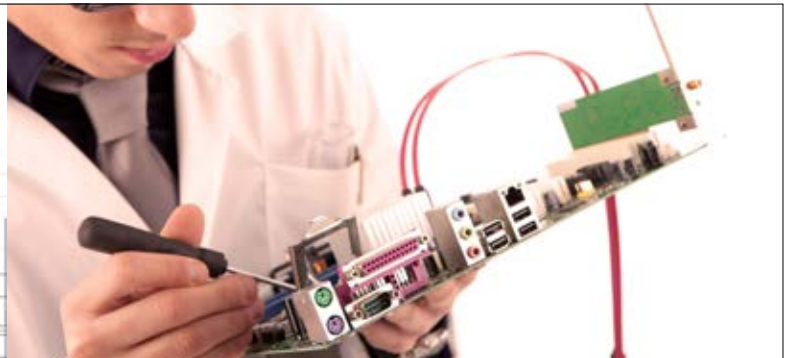
$x) = \begin{cases} x, & x \geq 0 \\ -x, & x < 0 \end{cases}$
 $f(x) = g(x) \Leftrightarrow \begin{cases} f(x) < 0 \\ f(x) = 0 \\ f(x) > 0 \end{cases} \Leftrightarrow \begin{cases} F(x) = G(x) \\ \log_a f(x) = \log_a g(x) \\ \log_a f(x) = \log_a g(x) \end{cases}$
 $y = kx + b$
 $y = \sqrt{x}$
 $y = \sqrt{x^2 - 2x^2 - x + 2}$
 $y = \sqrt{x}$
 $y = \sqrt{x}$
 $f(x) > 0$
 $g(x) > 0$
 $f(x) < g(x)$
 $f(x) > g(x)$
 $f(x) > g(x)$
 $f(x) > g(x)$



ARTIFICIAL INTELLIGENCE
NETWORK
AUTOCAD
AUTOENGINEER

$x) = \begin{cases} x, & x \geq 0 \\ -x, & x < 0 \end{cases}$
 $f(x) = g(x) \Leftrightarrow \begin{cases} f(x) < 0 \\ f(x) = 0 \\ f(x) > 0 \end{cases} \Leftrightarrow \begin{cases} F(x) = G(x) \\ \log_a f(x) = \log_a g(x) \\ \log_a f(x) = \log_a g(x) \end{cases}$
 $y = kx + b$
 $y = \sqrt{x}$
 $y = \sqrt{x^2 - 2x^2 - x + 2}$
 $y = \sqrt{x}$
 $y = \sqrt{x}$
 $f(x) > 0$
 $g(x) > 0$
 $f(x) < g(x)$
 $f(x) > g(x)$
 $f(x) > g(x)$
 $f(x) > g(x)$





ARTIFICIAL INTELLIGENCE

NETWORK

CIRCUIT STUDIO

AUTOHARDWARE

$x) = \begin{pmatrix} x_1 \\ x_2 \end{pmatrix}$
 $f(x) = g(x) \Leftrightarrow \begin{cases} f_1(x) < 0 \\ f_2(x) = -g(x) \end{cases}$
 $F(x) = G(x) \Leftrightarrow \begin{cases} f_1(x) = G_1(x) \\ f_2(x) = -g(x) \end{cases}$
 $y = kx + b$
 $y = \sqrt{x}$
 $y = \frac{1}{x}$
 $f(x) > 0$
 $g(x) > 0$
 $f(x) < g(x)$



ARTIFICIAL INTELLIGENCE

NETWORK

PYTHON

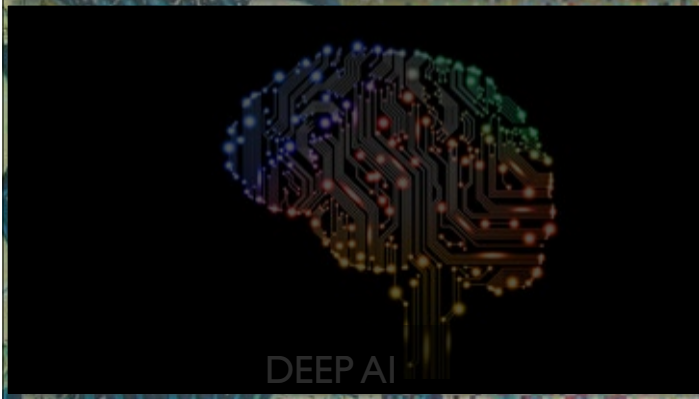
AUTODEVELOPER

$x) = \begin{pmatrix} x_1 \\ x_2 \end{pmatrix}$
 $f(x) = g(x) \Leftrightarrow \begin{cases} f_1(x) < 0 \\ f_2(x) = -g(x) \end{cases}$
 $F(x) = G(x) \Leftrightarrow \begin{cases} f_1(x) = G_1(x) \\ f_2(x) = -g(x) \end{cases}$
 $y = kx + b$
 $y = \sqrt{x}$
 $y = \frac{1}{x}$
 $f(x) > 0$
 $g(x) > 0$
 $f(x) < g(x)$

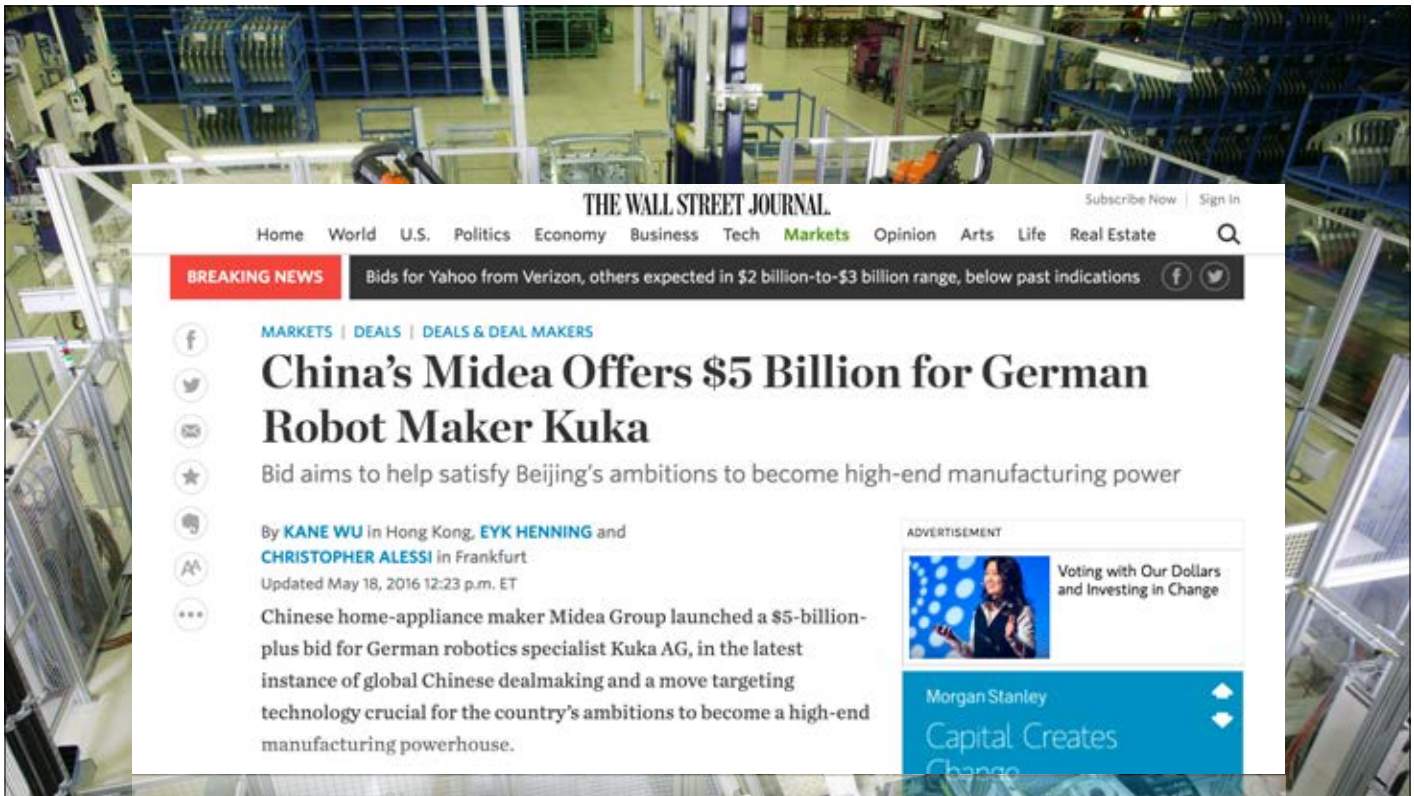
```
import numpy as np
import tensorflow as tf
import keras

# Define a simple neural network
model = keras.Sequential([
    keras.layers.Dense(10, activation='relu'),
    keras.layers.Dense(10, activation='relu'),
    keras.layers.Dense(10, activation='relu')
])

# Compile the model
model.compile(optimizer='adam', loss='categorical_crossentropy', metrics=['accuracy'])
```





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BREAKING NEWS Bids for Yahoo from Verizon, others expected in \$2 billion-to-\$3 billion range, below past indications f t

MARKETS | DEALS | DEALS & DEAL MAKERS


China's Midea Offers \$5 Billion for German Robot Maker Kuka

Bid aims to help satisfy Beijing's ambitions to become high-end manufacturing power

By **KANE WU** in Hong Kong, **EYK HENNING** and **CHRISTOPHER ALESSI** in Frankfurt
Updated May 18, 2016 12:23 p.m. ET

Chinese home-appliance maker Midea Group launched a \$5-billion-plus bid for German robotics specialist Kuka AG, in the latest instance of global Chinese dealmaking and a move targeting technology crucial for the country's ambitions to become a high-end manufacturing powerhouse.

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Start freaking out. ;-)
A robot makes a hole-in-one. On same hole as
Tiger Woods 19 years ago.
Via @PGATOUR

PGA TOUR

0:12

Robot aces No. 16 at TPC Scottsdale

For more video go to PGATOUR.COM

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Name: WOODS, ELDRICK TIGER
Race: Black
DOB: 12/30/1975

Address:
Gender: Male

Facility: OWN RECOGNIZANCE
OBTS Number: [5003410526](#)
Booking Date/Time: 05/29/2017 07:18

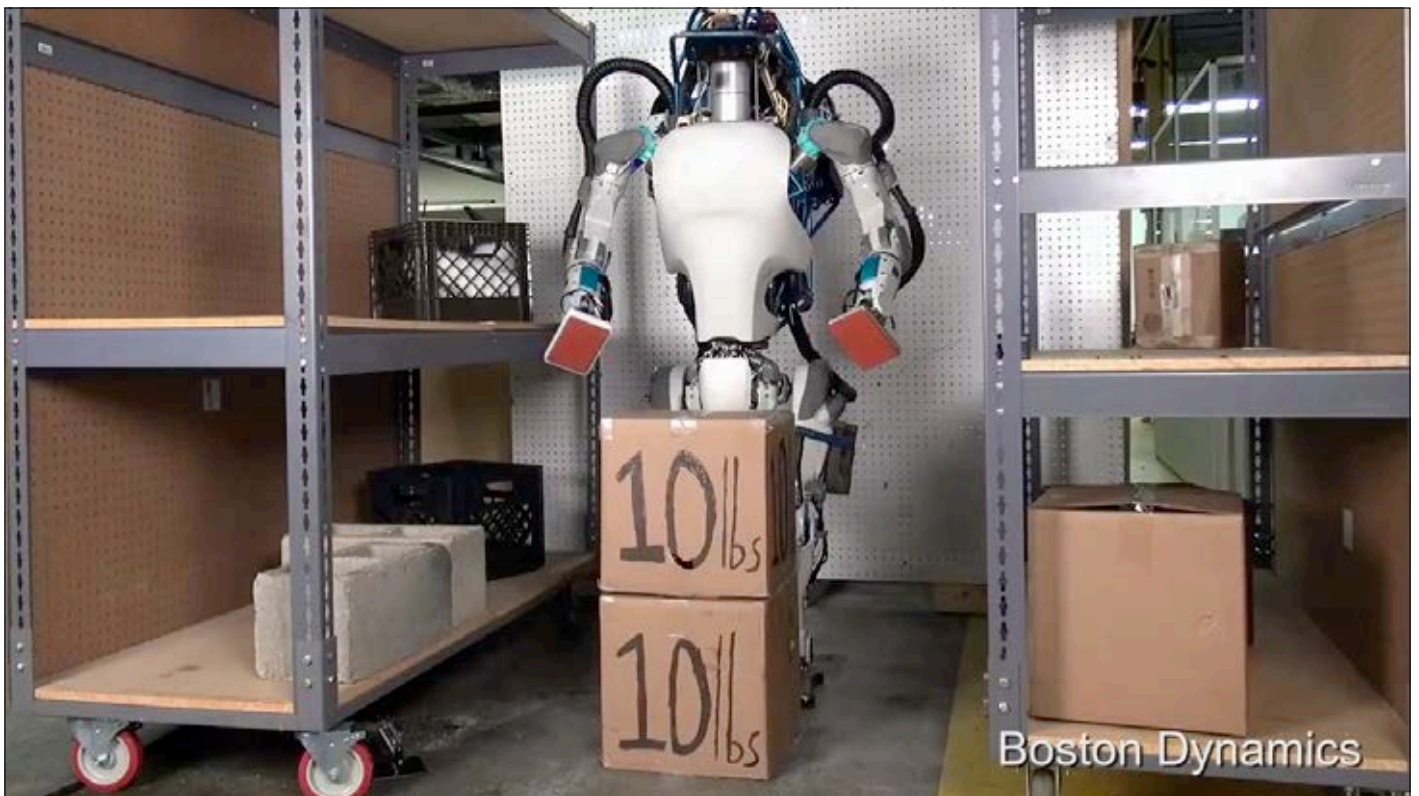
Arresting Agency: 54-JUPITER
Release Date: 05/29/17 **Time:** 10:50
Holds For Other Agencies: No

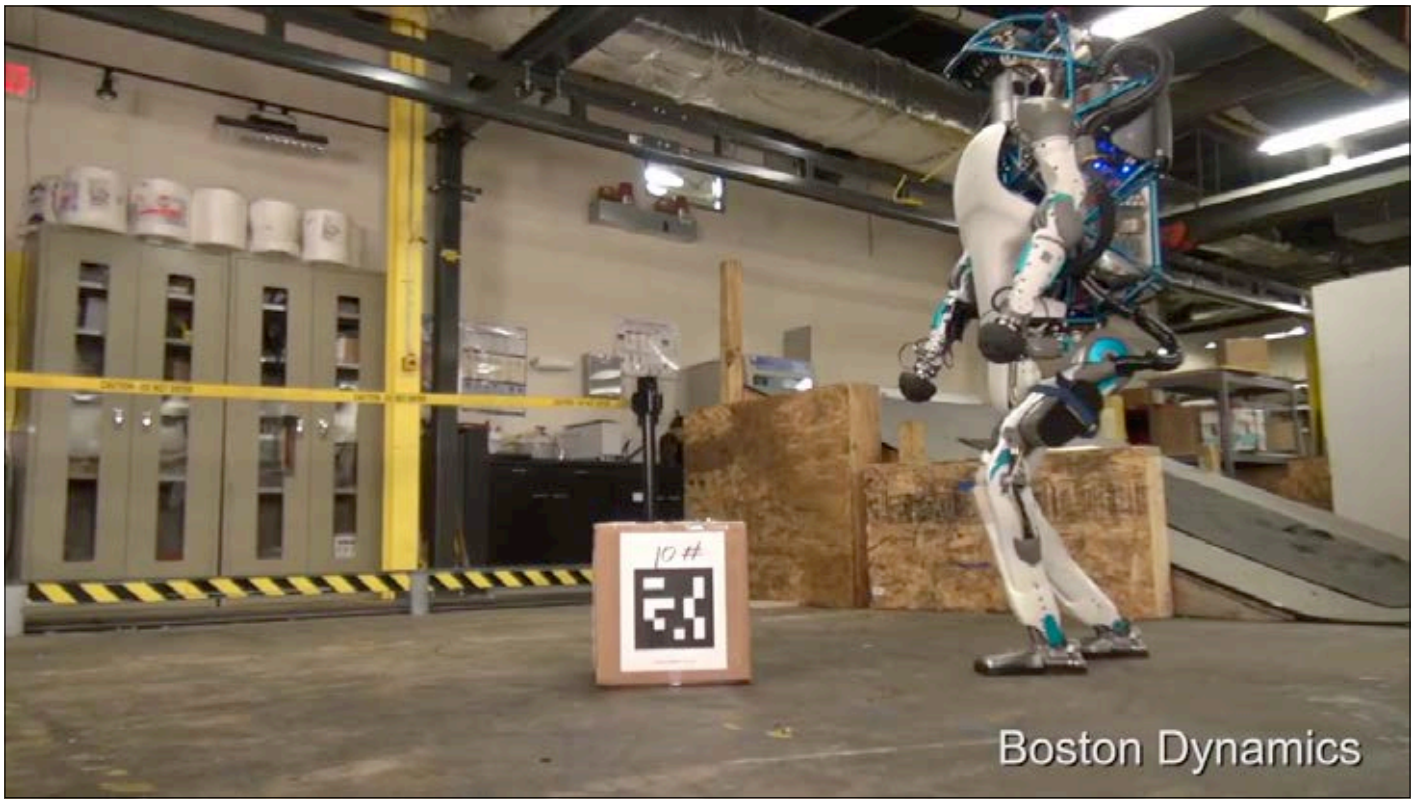
Jacket Number: [0488422](#)
Booking Number: [2017018735](#)
Booking Date/Time: 05/29/2017 07:18

Charges
316.193-6276
DUI-UNLAW BLD ALCH - DUI ALCOHOL
OR DRUGS
Original Bond: \$0.00
Current Bond: \$0.00 [Bond Information](#)

Current Bond: 20.00 [Bond Information](#)
Original Bond: 20.00









 REUTERS

SoftBank to buy robotics businesses from Alphabet Inc

INNOVATION AND INTELLECTUAL PROPERTY | Fri Jun 9, 2017 | 4:39am EDT

SoftBank to buy robotics businesses from Alphabet Inc

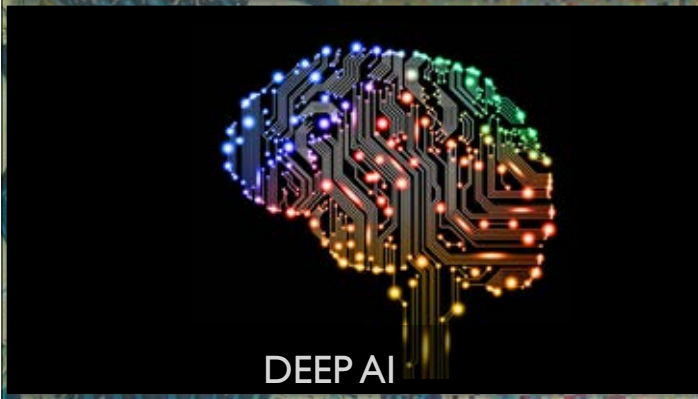




GLOBAL NETWORK PLATFORMS



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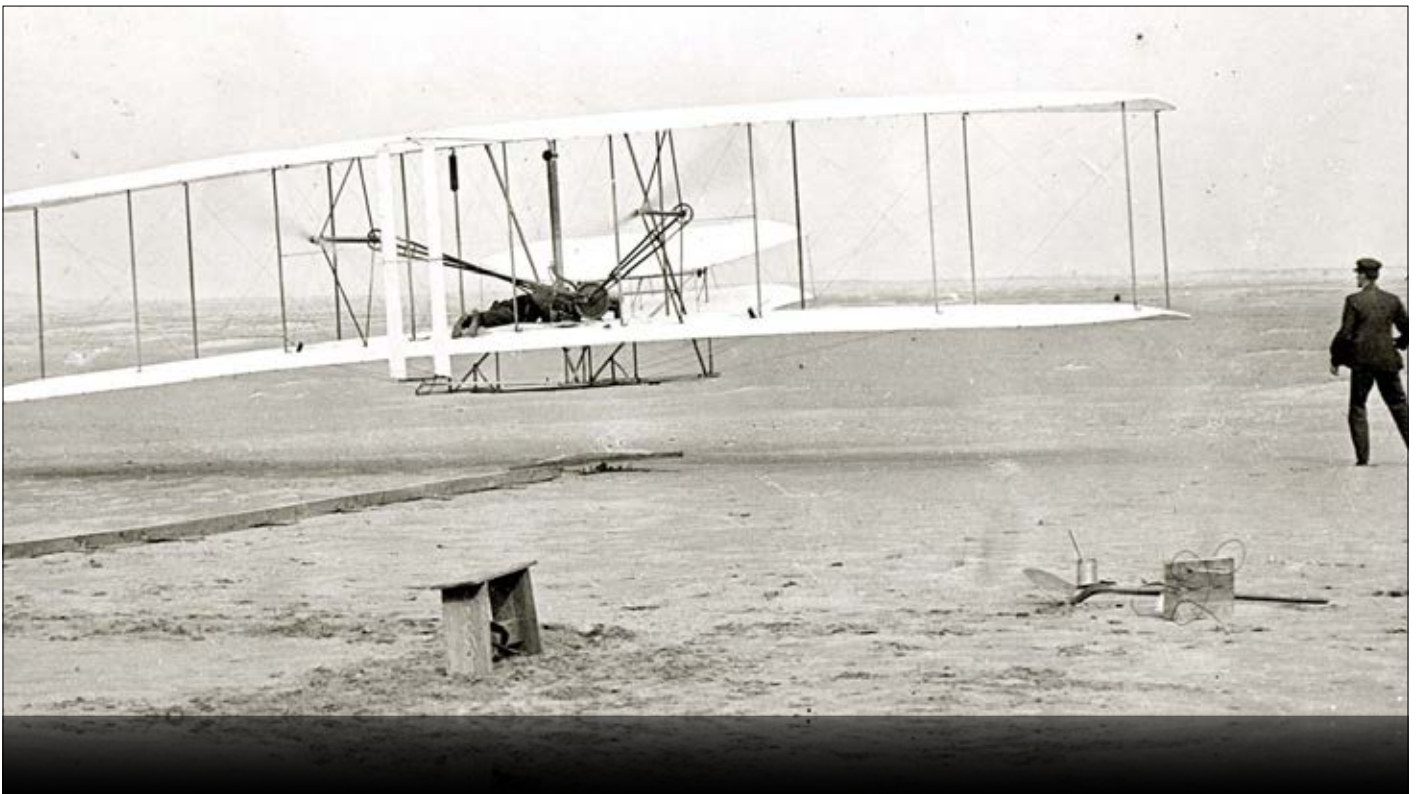
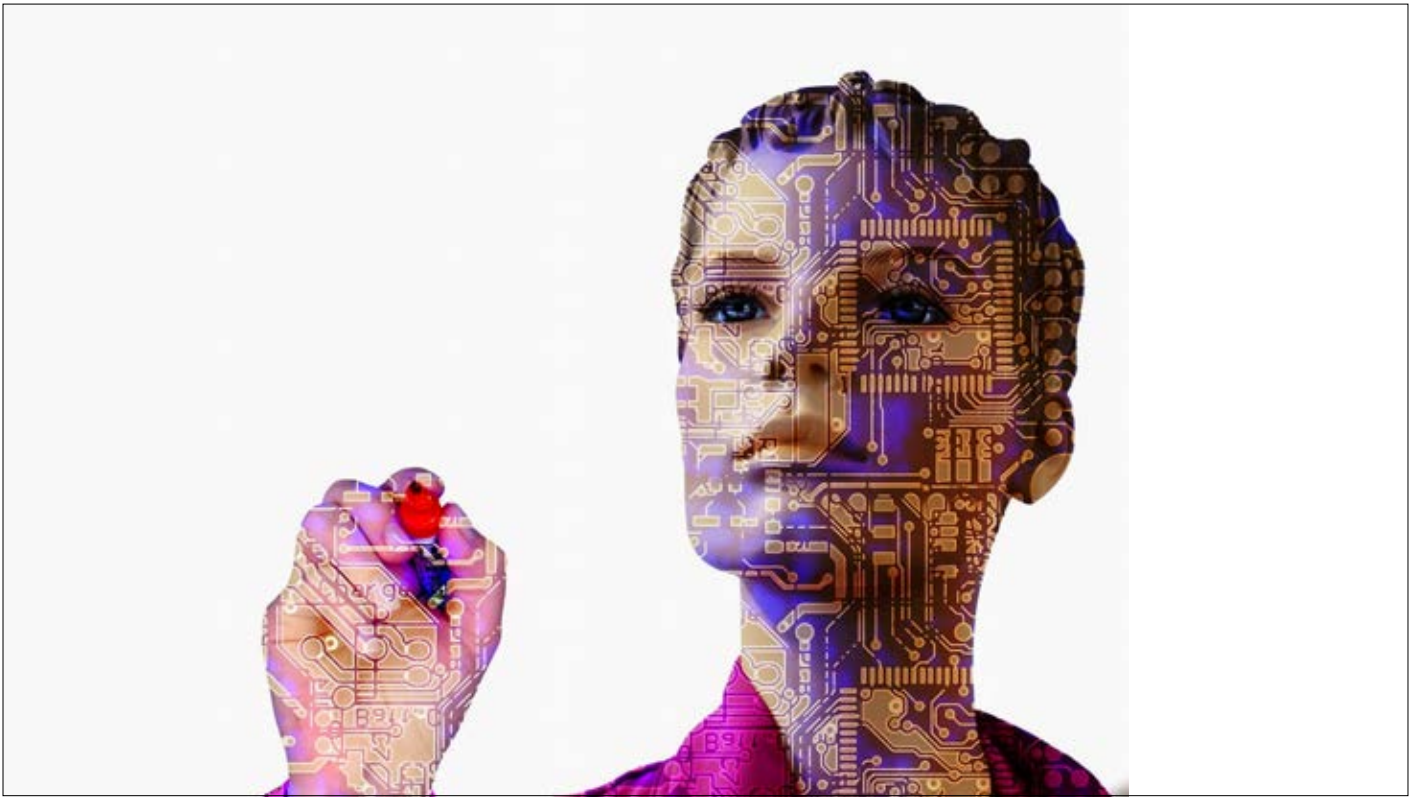


DEEP AI




ROBOTICS





Daniel Bernoulli

DANIELIS BERNOULLI JOH. FIL.
MED. PROF. BASIL.
ACAD. SCIENT. IMPER. PETROPOLITANÆ, PRIUS MATHESIOS
SUBLIMIORIS PROF. ORD. NUNC MEMBRI ET PROF. HONOR.
HYDRODYNAMICA,
SIVE
DE VIRIBUS ET MOTIBUS FLUIDORUM
COMMENTARIUM.
OPUS ACADEMICUM
AB AUCTORE, DUM PETROPOLI AGERET,
CONGESTUM.



ARGENTORATI,
Sumptibus **JOHANNIS REINHOLDI DULSECKERI,**
ANNO M D CC XXXVIII.
Typis JOH. HENR. DUCKERI, Typographi Basiliensis.



DANIEL BERNOULLIUS
M. D. P. P. P. honorarice Academiæ Lingvæ
Petropolitane, Mathematicæ et Mechanicæ P. P. D. in
Academiæ Basiliens.
Natus die 12. Julii AN. 1700.



The First Flight

Anatomy of the 1903 Wright Flyer

propellers
made from spruce, push the plane forward by spinning in opposite directions

rudders
allow aircraft to bank and turn without spinning out

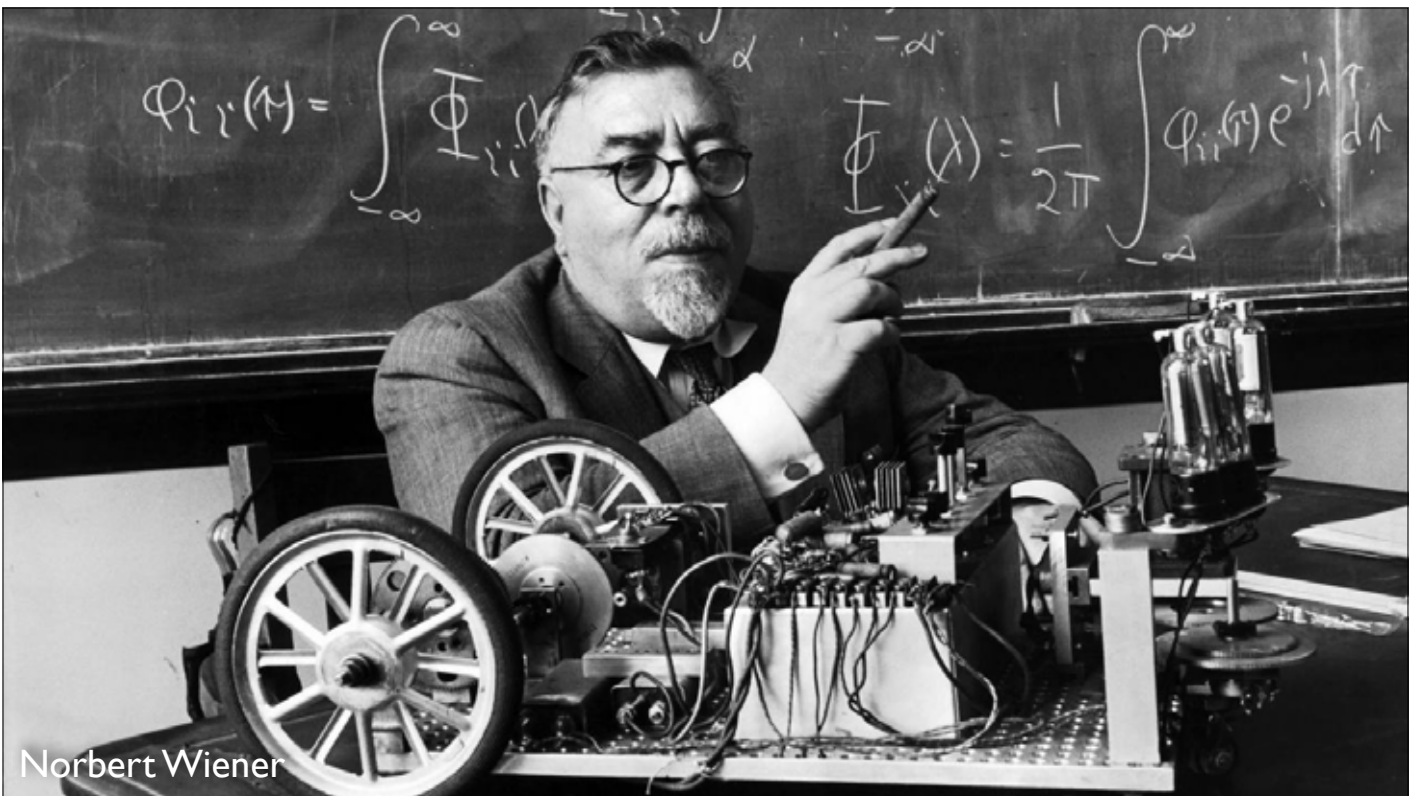
engine
gasoline-powered, 12 horsepower, only enough gas on reserve to fly 20 minutes

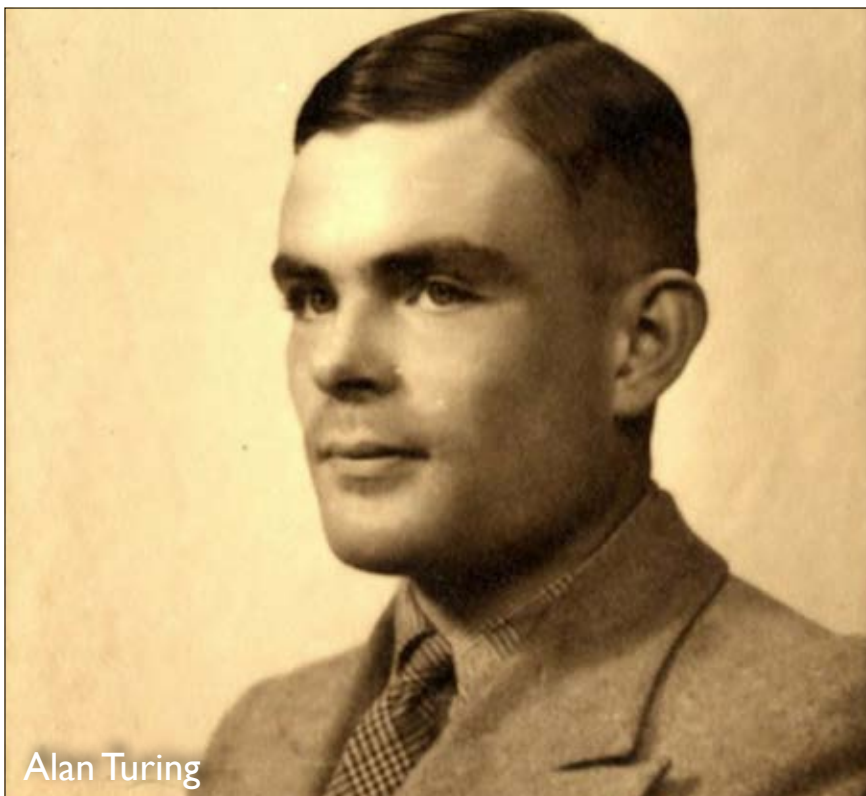
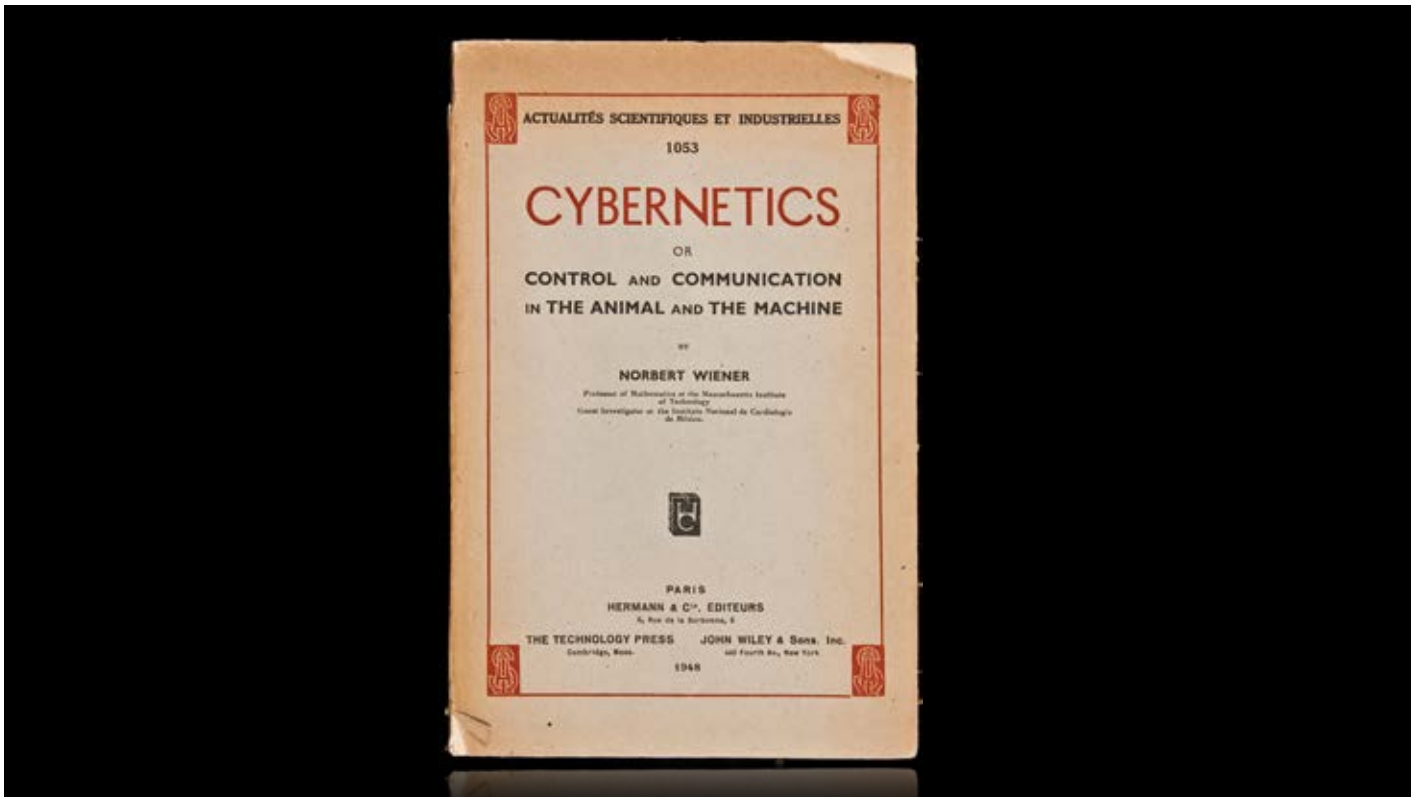
elevator
controls the up and down orientation of plane relative to the ground, or the "pitch"

wing warping
aids in turning and causes the entire wing to twist so that one end has more lift than the other

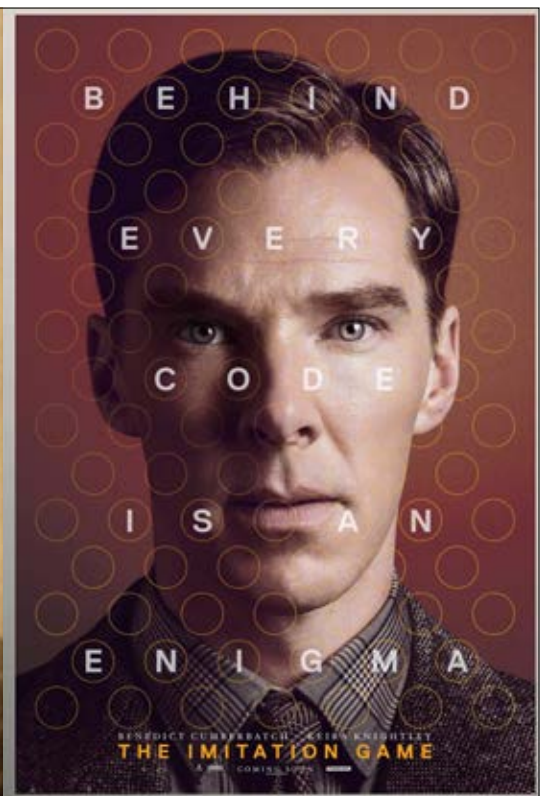
The 1903 Wright Flyer
Skilled bicycle mechanics Orville Wilbur Wright created the **first engine-powered aircraft** to fly successfully. It soared above the t ground of **Kitty Hawk, NC** for 1 seconds after hundreds of trials v multiple gliders in previous years **revolutionizing technology** used travel and communication, the W brothers created one of the most important inventions in history.

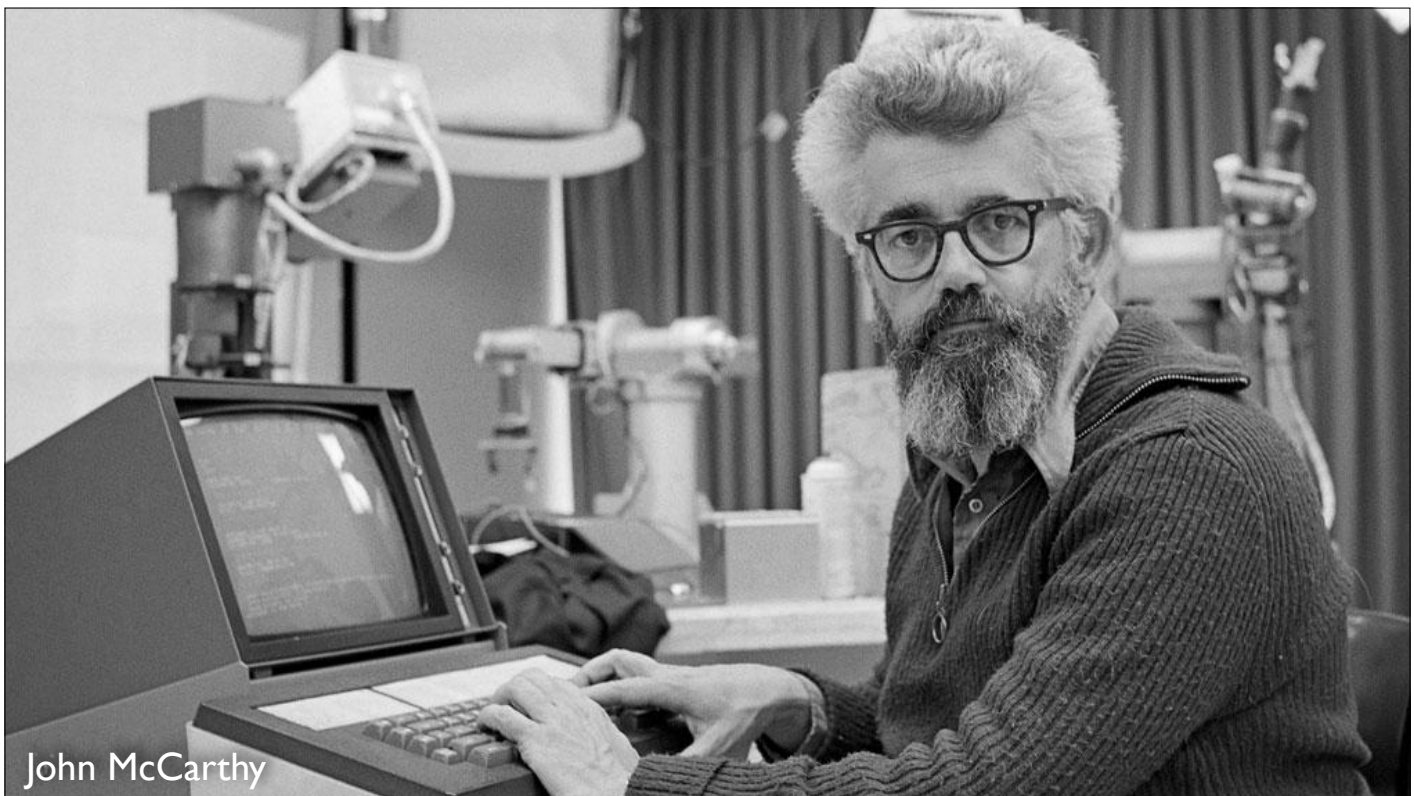
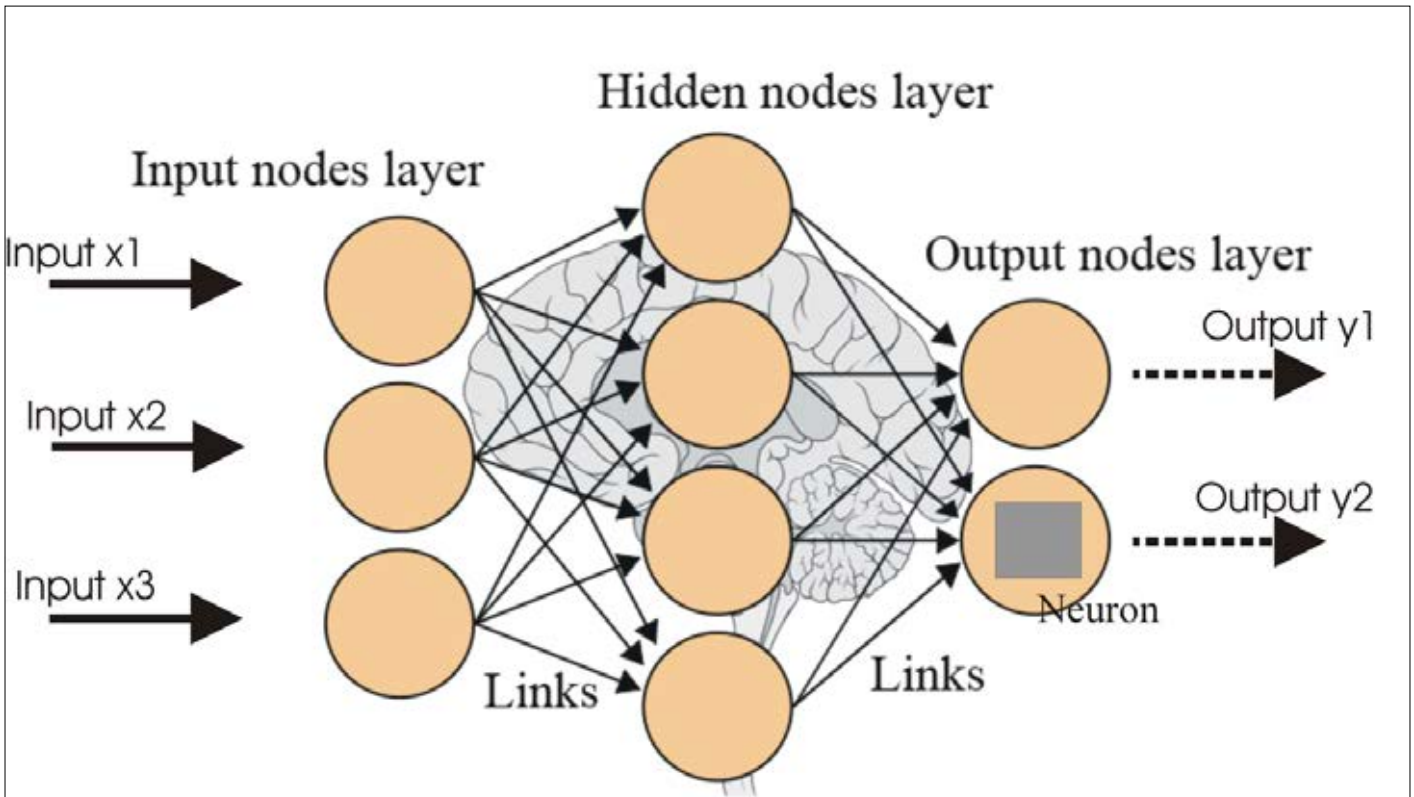
FRONT

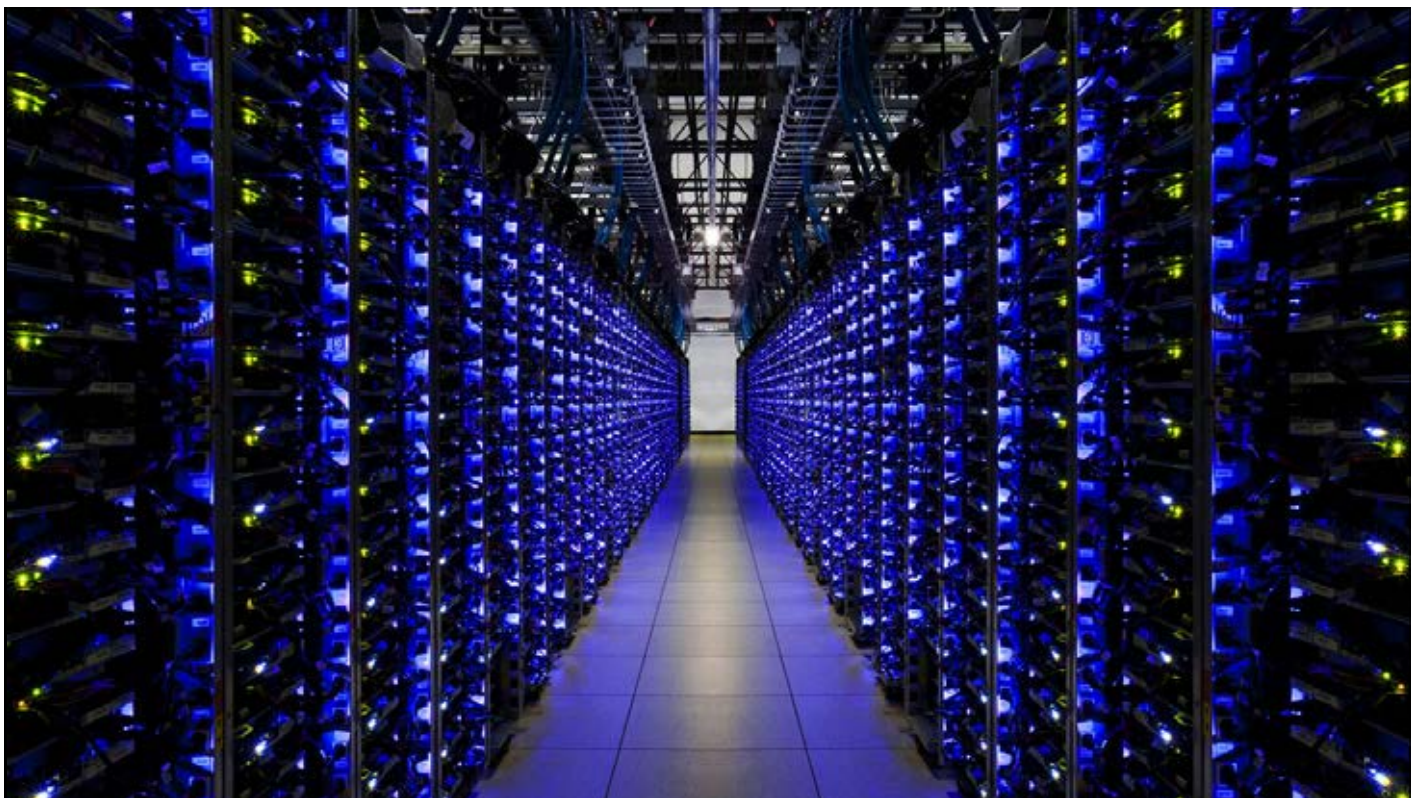
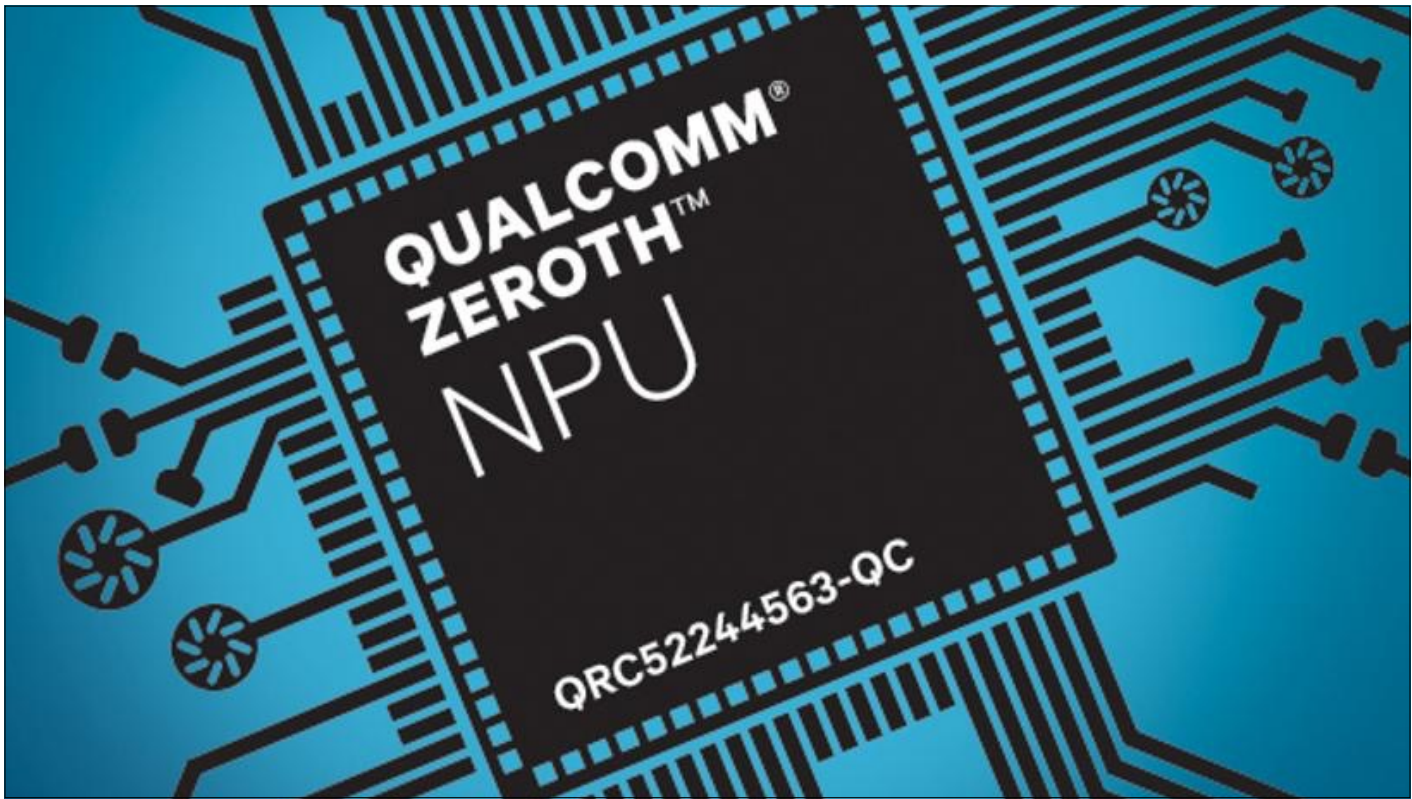


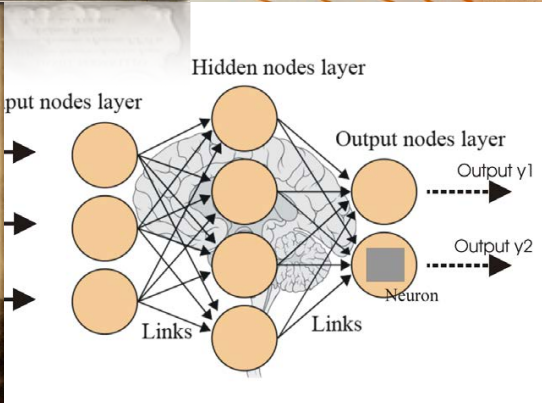
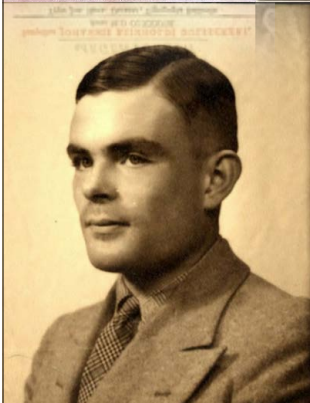
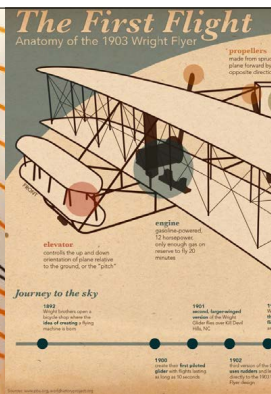
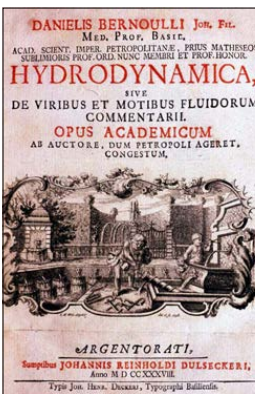


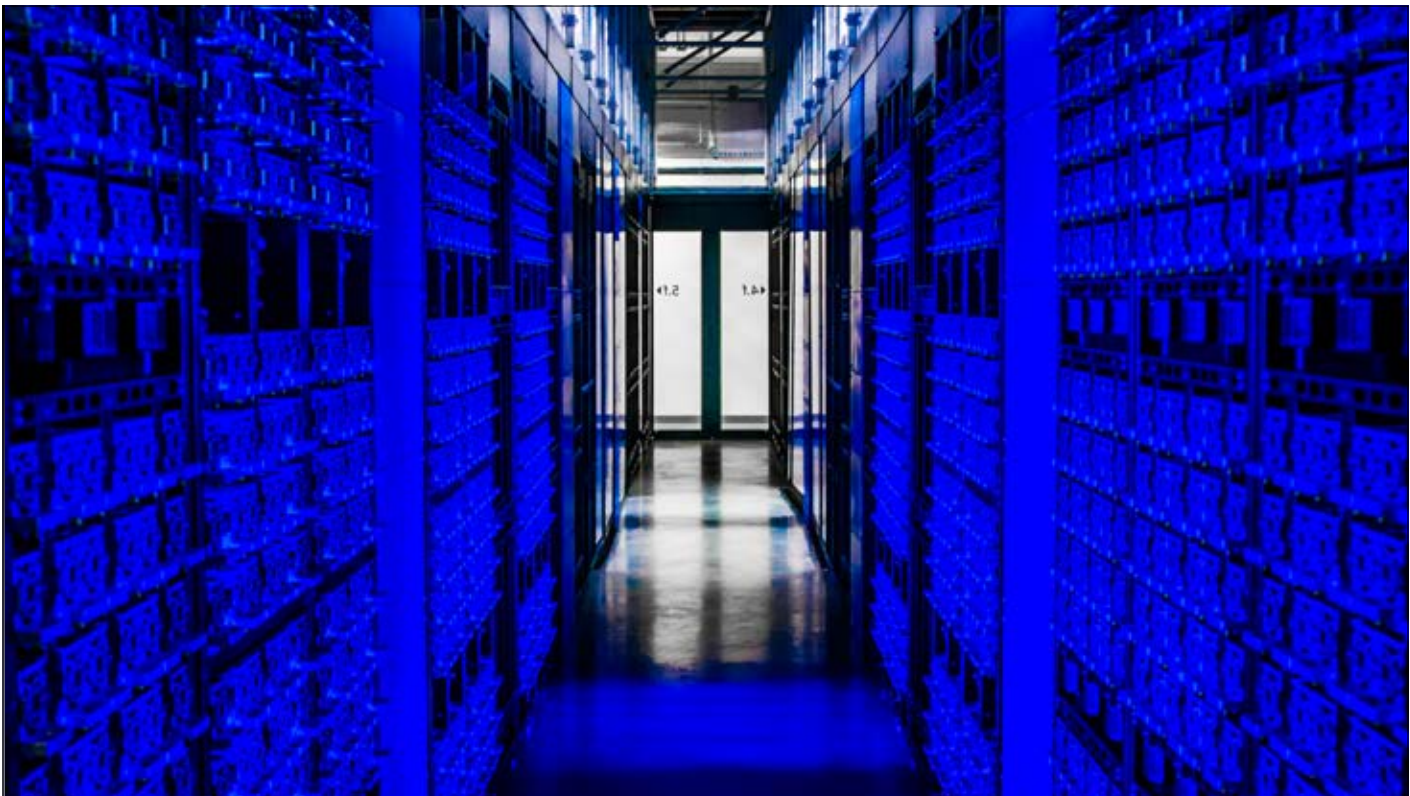
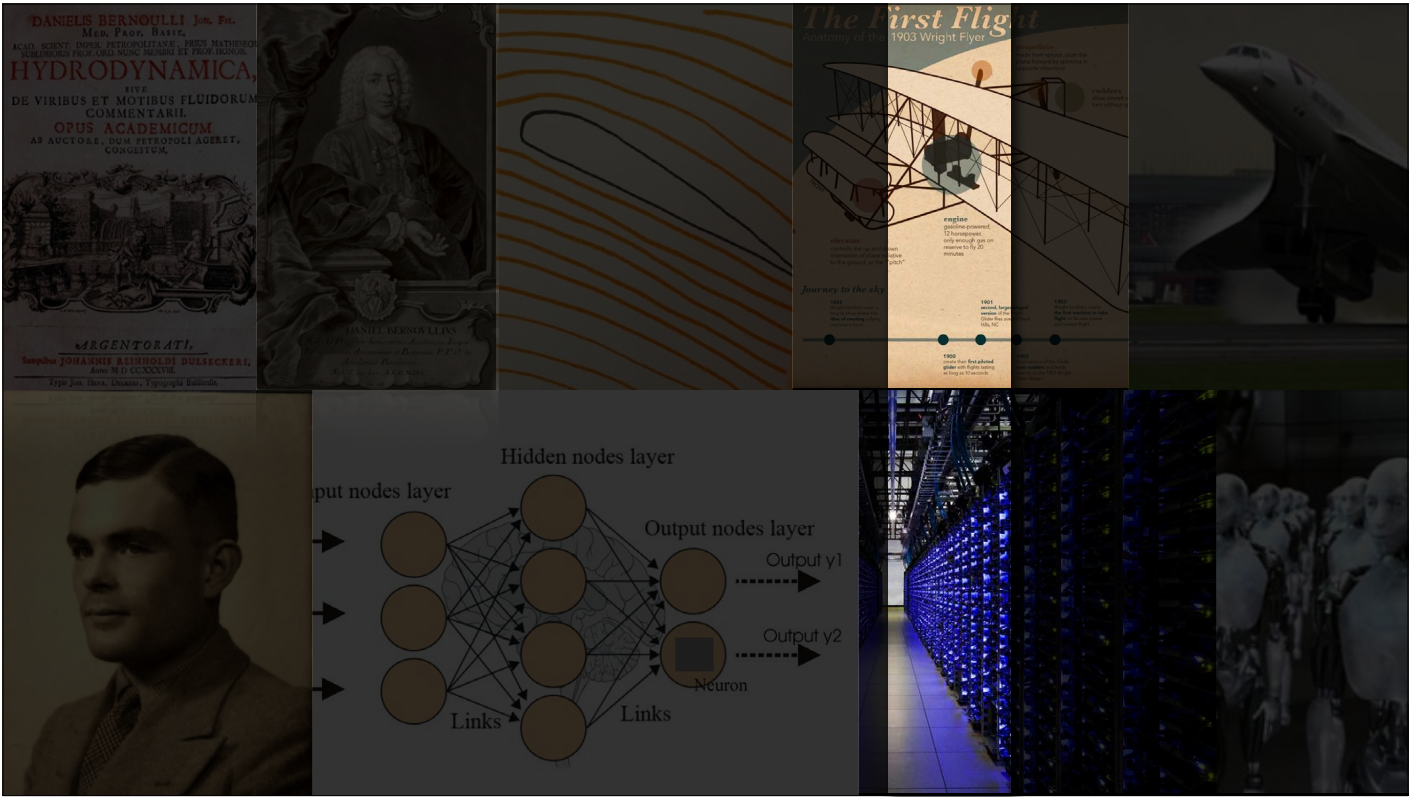
Alan Turing











$f(x) = \begin{cases} 2, & x \geq 0 \\ -x, & x \leq 0 \end{cases}$
 $|f(x)| = g(x) \Leftrightarrow \begin{cases} f(x) \geq 0 \\ f(x) < 0 \end{cases} \Rightarrow \begin{cases} f(x) = g(x) \\ f(x) = -g(x) \end{cases}$

$\log_a f(x) = \log_a b^{g(x)} \Leftrightarrow f(x) = g(x) \log_a b$
 $\log_a f(x) = \log_a g(x) \Leftrightarrow f(x) = g(x)$ (for $a > 0, a \neq 1$)

$b^2 - a^2 = c^2 - 2ac \cdot \cos \beta$
 $x = x^2 \Leftrightarrow x(x^2 - 1) = 0 \Leftrightarrow \begin{cases} x = 0 \\ x = 1 \\ x = -1 \end{cases}$

$\frac{P(x)}{Q(x)} > 0$
 $\frac{P(x)}{Q(x)} = 0$
 $Q(x) \neq 0$

$y = kx + b$
 $y = x$
 $y = 1/x$
 $y = \sqrt{x}$

$x^2 - 2x^2 - x + 2 \geq 0$
 $x^2 + 2x - 8 \geq 0$
 $\frac{P(x)}{Q(x)} \leq 0$

$\frac{1}{\sqrt{x+1}} = \frac{3}{\sqrt{3}}$
 $y = 2x + 1$
 $y = x^2 - 2x$
 $a^2 = b^2 + c^2 - 2bc \cdot \cos \alpha$

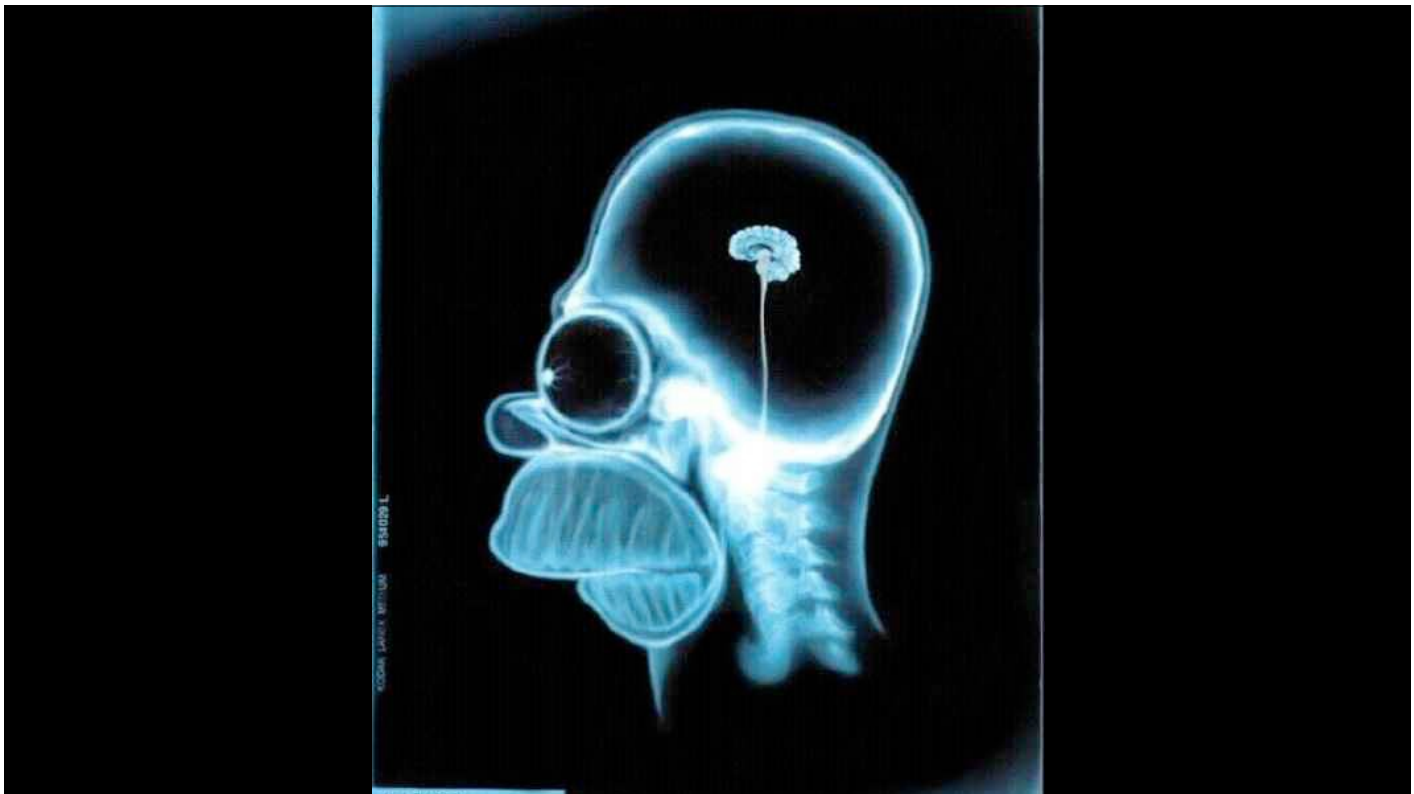
$x_{1,2} = \frac{-b \pm \sqrt{D}}{2a}$
 $D = b^2 - 4ac$
 $h = \frac{c}{\sqrt{a}}$
 $p = \frac{F}{S}$
 $\omega = \sqrt{\frac{g}{L}}$

$y = 2 \cos(3x + 1)$
 $y = 0.50$
 $\log_a f(x) = k$
 $\log_a f(x) = \log_a G(x) \quad (a > 0, a \neq 1)$

$f(x) > g(x)$
 $f(x) < g(x)$
 $f(x) > g^2(x)$

$\frac{1-4 \leq x-1}{x+3} > x+1$

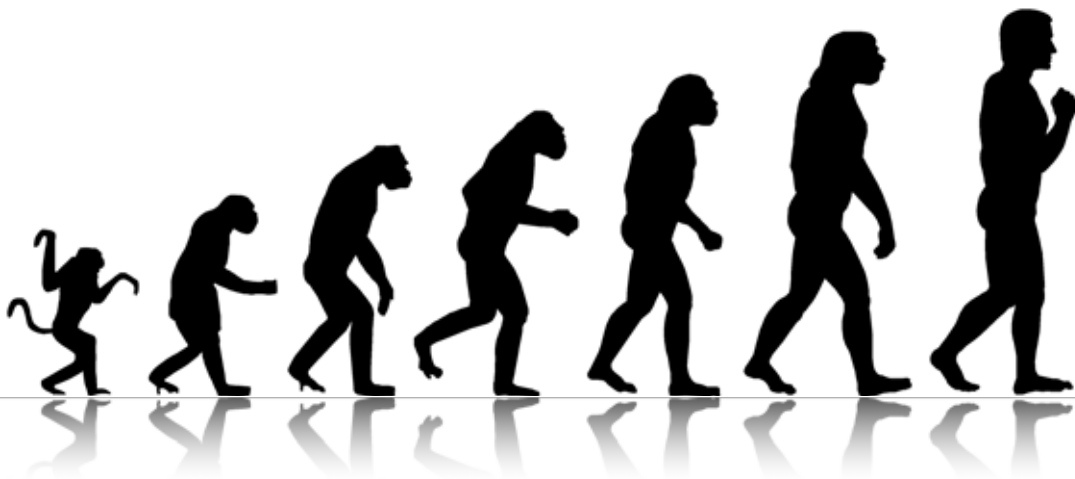
$v = \frac{g}{t} \dots x = x_0 + v \cdot t \quad H = 20m \quad k_{1,2} = 1, n, z$
 $s = x - x_0 = v \cdot t \quad |F(\log_a f(x)) = 0, a > 0, a \neq 1$

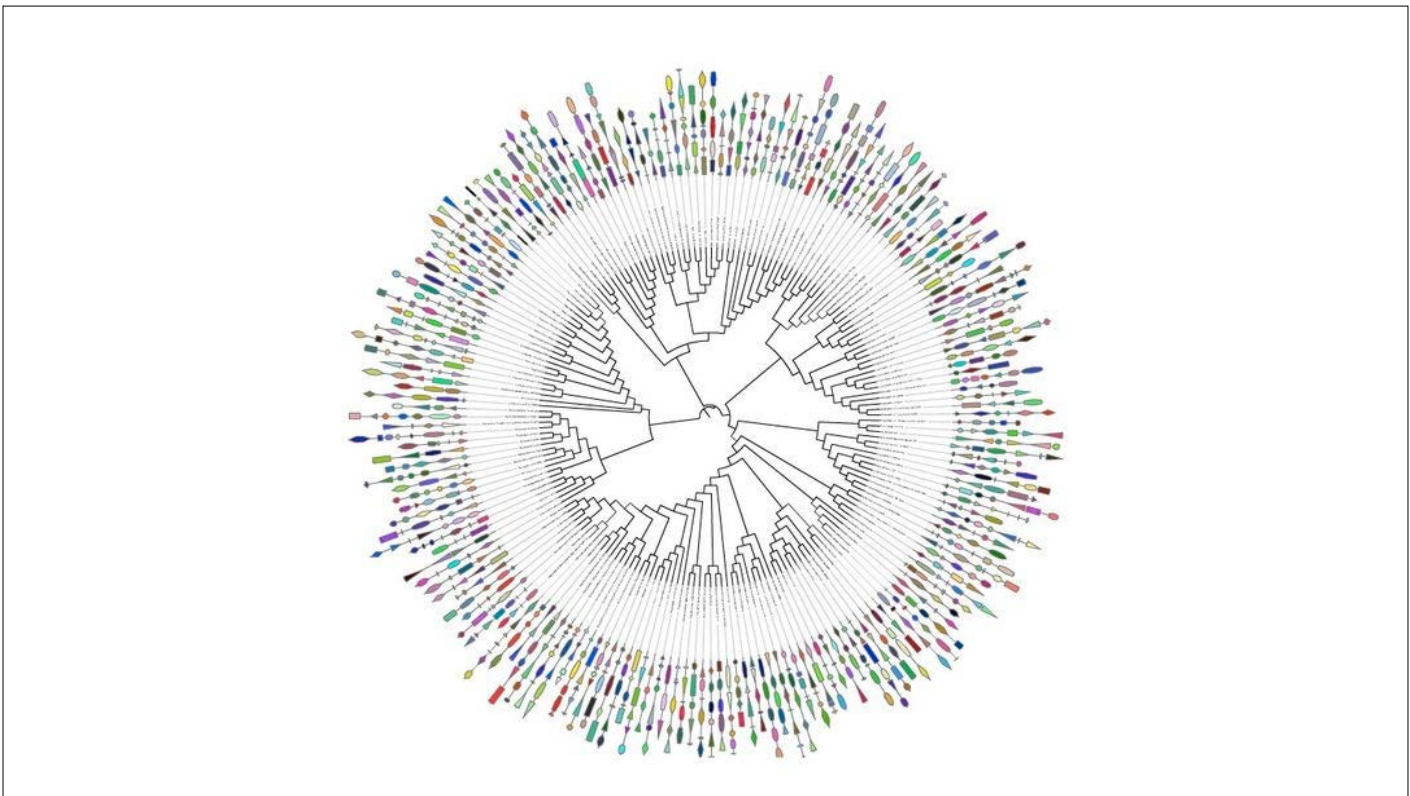


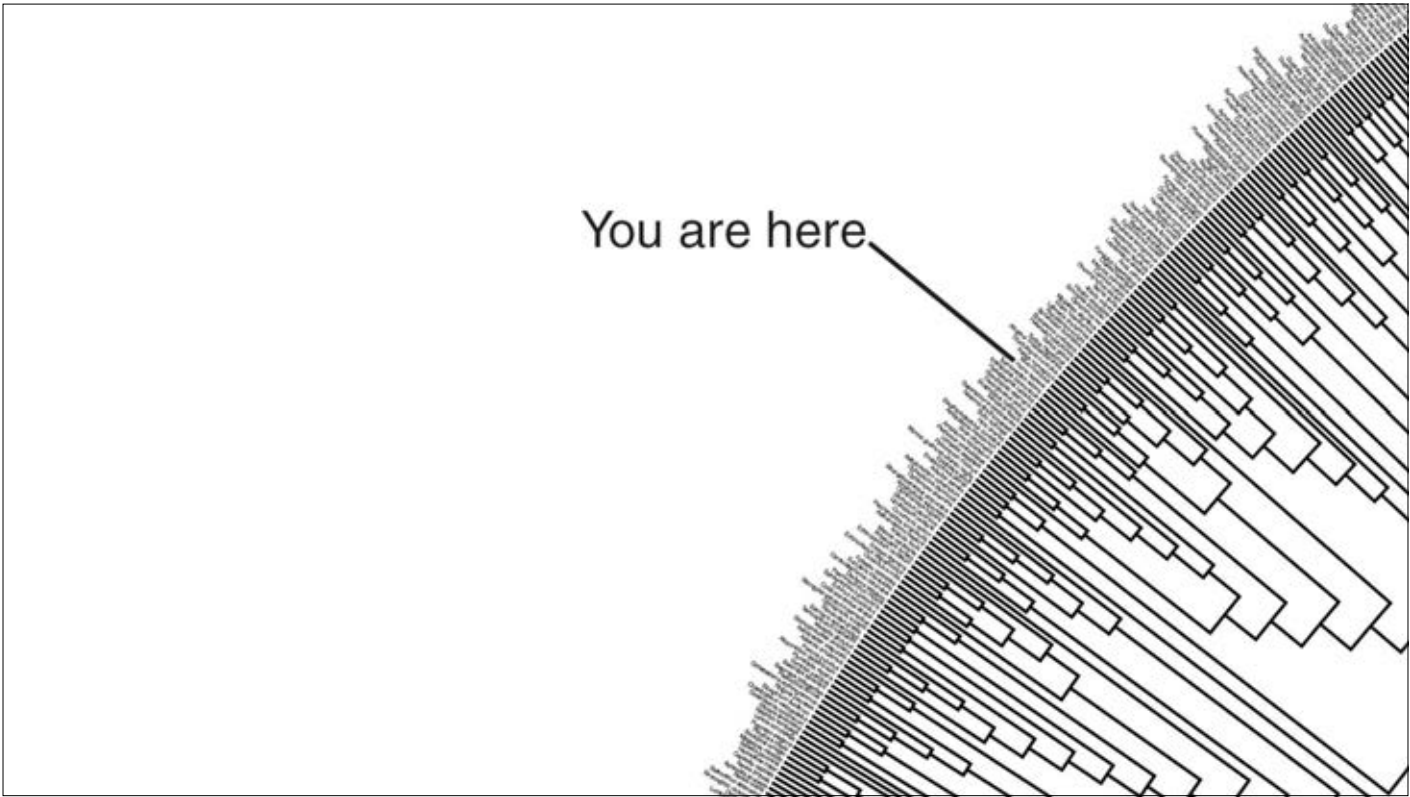
NICK BOSTROM

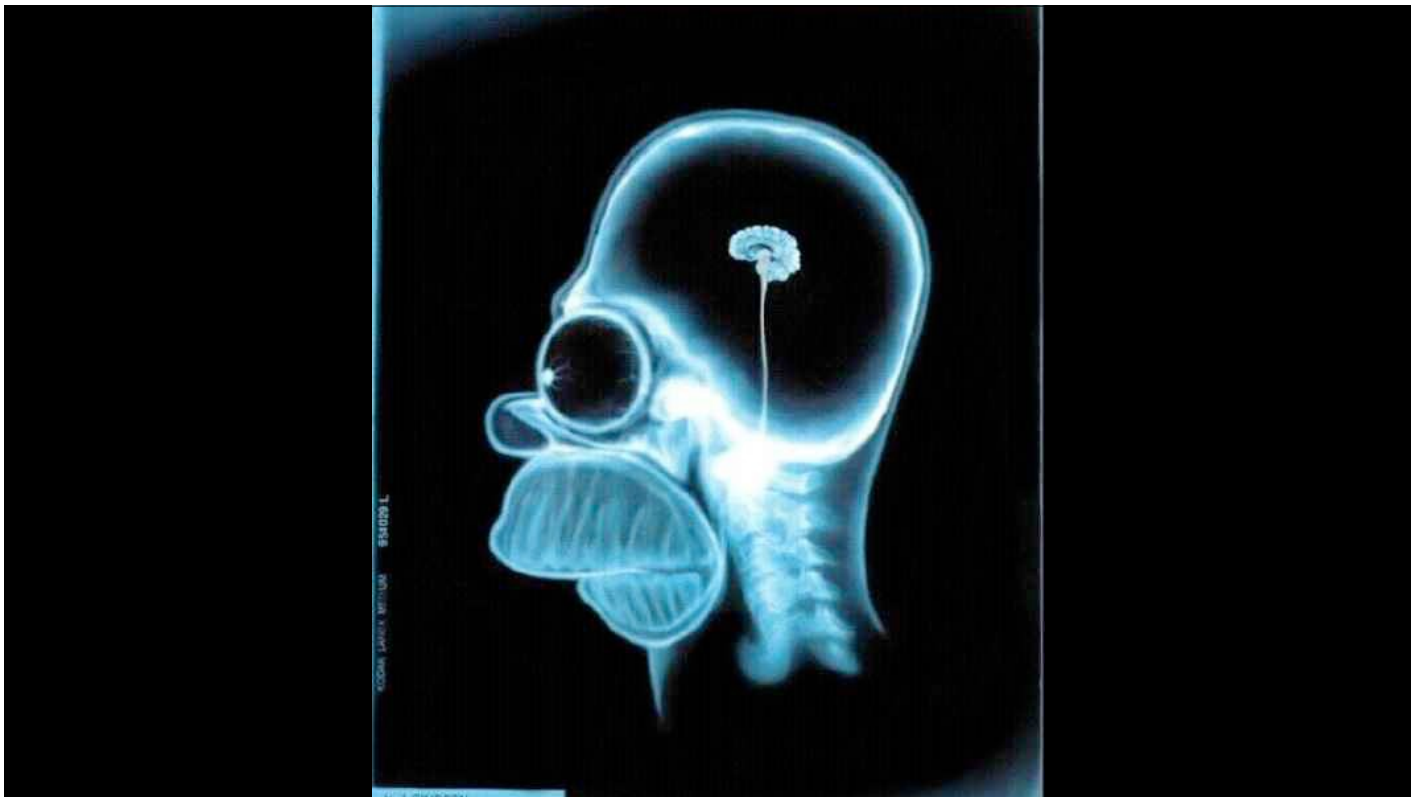
SUPERINTELLIGENCE

Paths, Dangers, Strategies









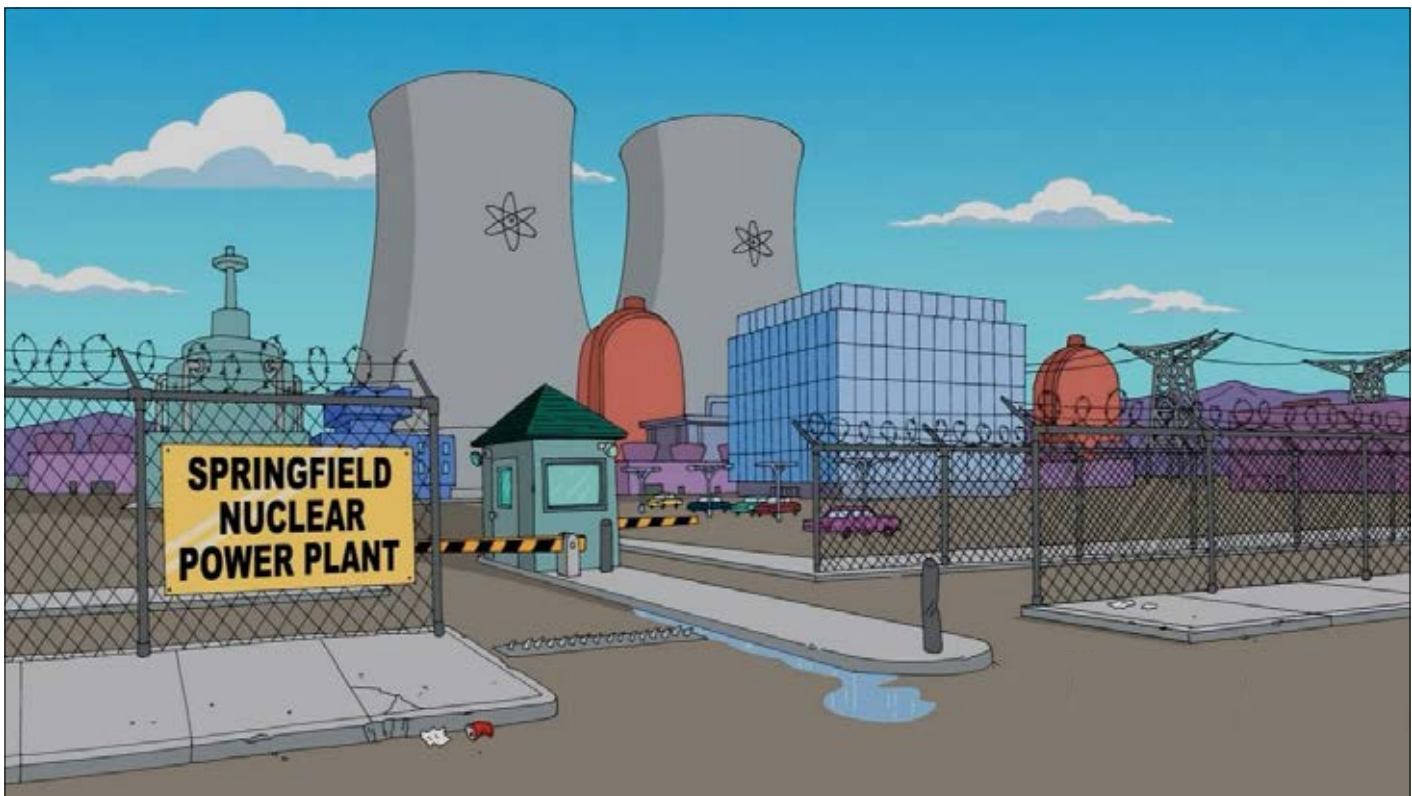
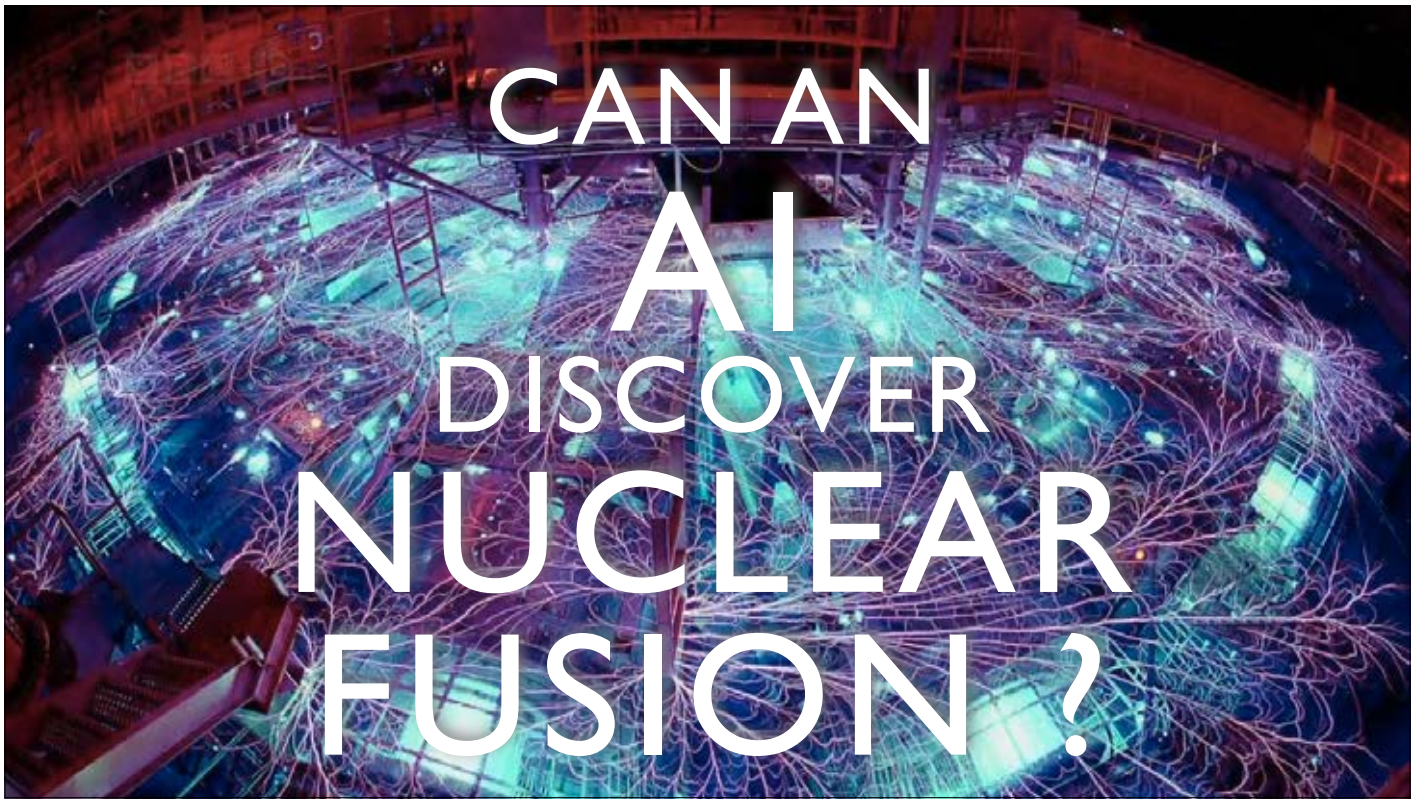
NICK BOSTROM

SUPERINTELLIGENCE

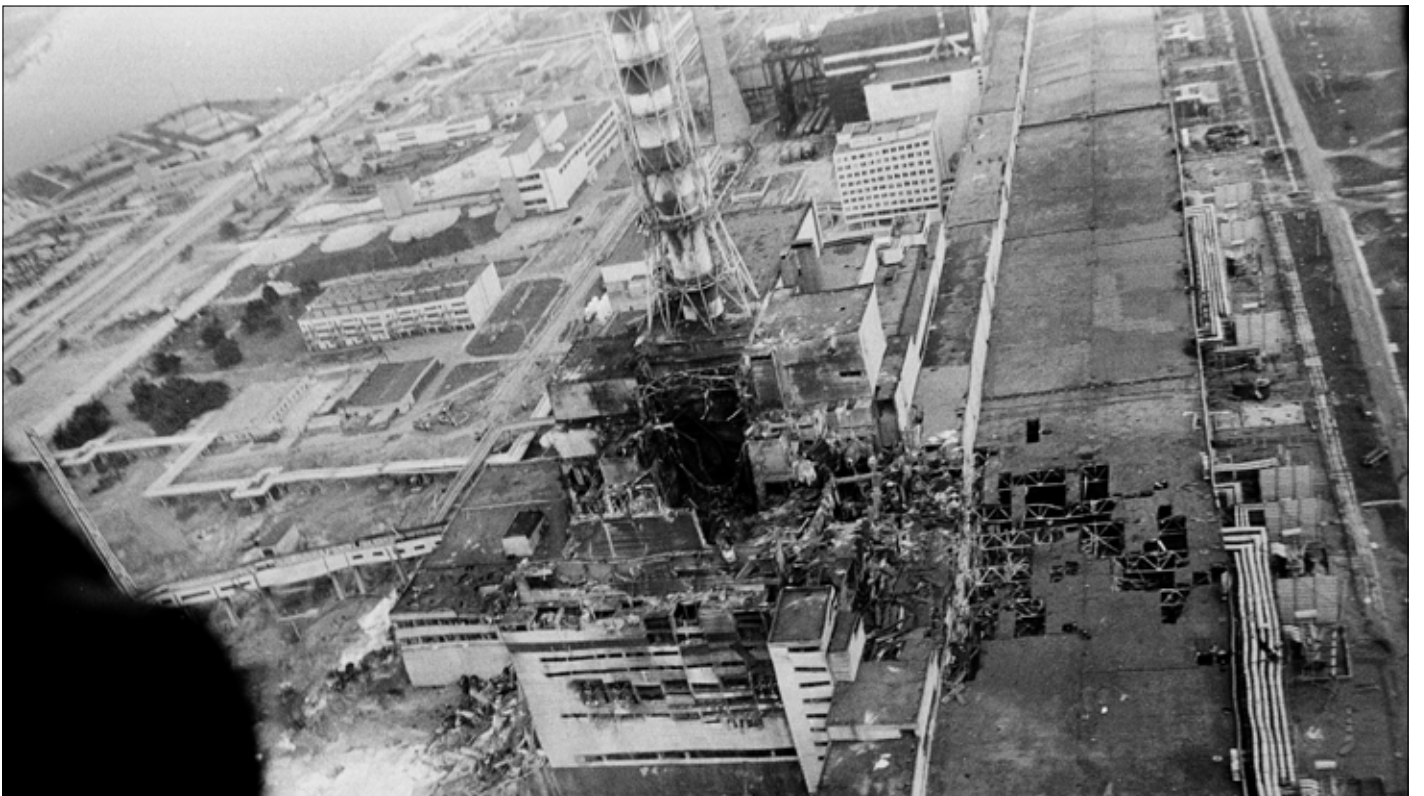
Paths, Dangers, Strategies





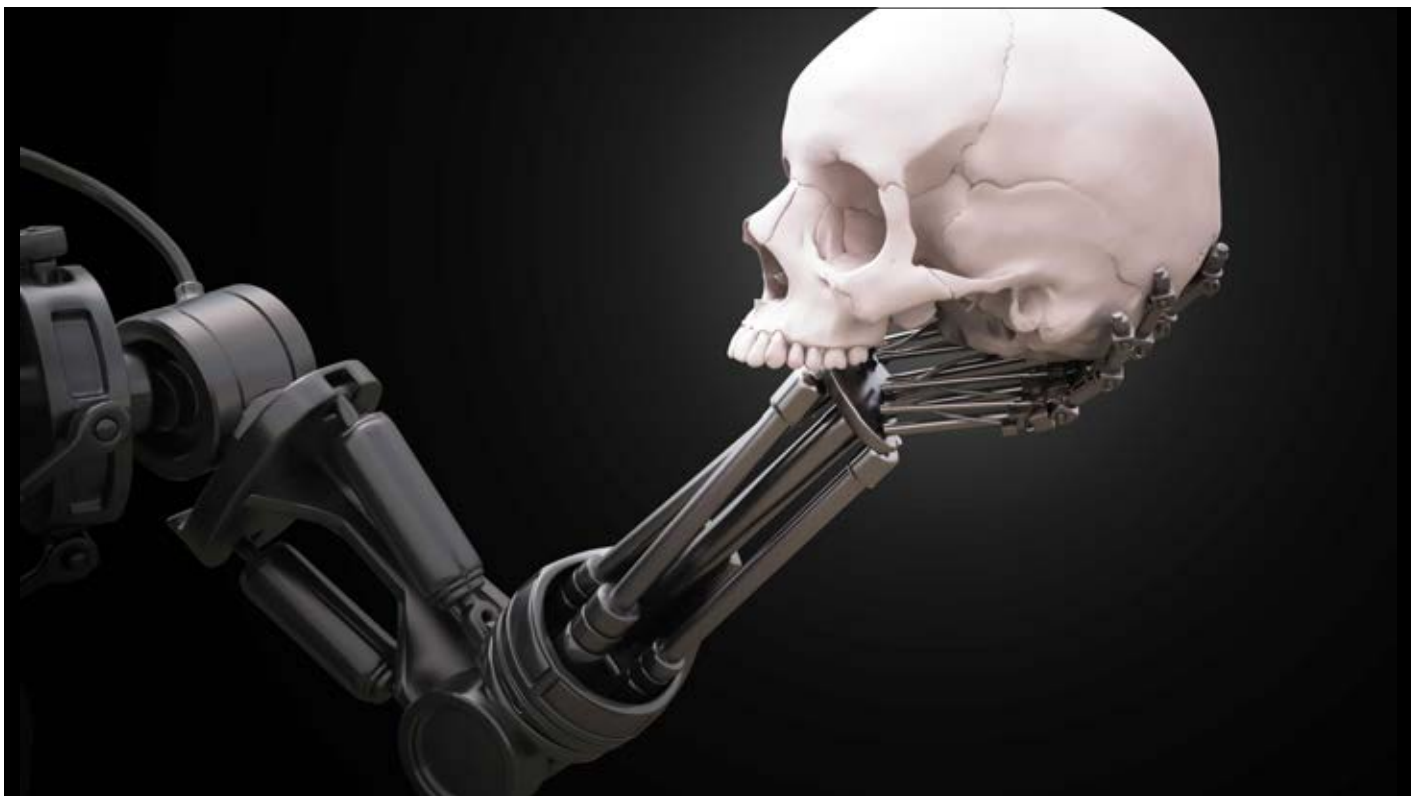
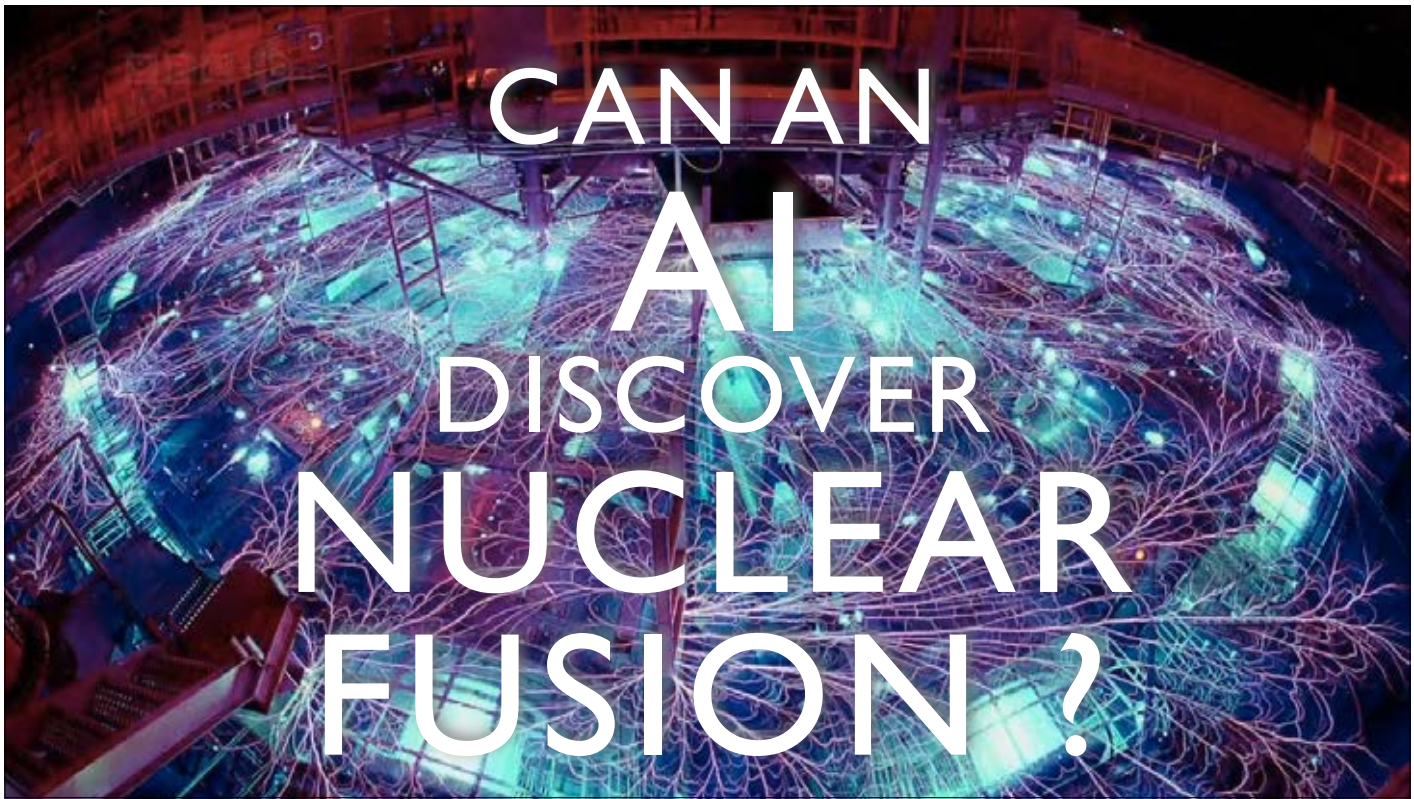












Uber's self-driving truck company just completed its first shipment: 50,000 cans of Budweiser

Robot truckers, this Bud's for you

by Andrew J. Hawkins | @andyjayhawk | Oct 25, 2018, 6:00a



Proximus Bizz

De all-in écht aangepast aan uw zaak

Meer info >

proximus

NEW TRENDING STORIES

OTTO
MOTORS

PRODUCTS RESOURCES SUPPORT COMPANY BLOG

CONTACT A PERSON

SAY HELLO TO INDUSTRY 4.0

Meet OTTO, a self-driving vehicle designed exclusively for material transport.







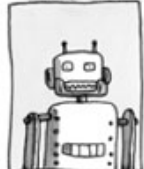
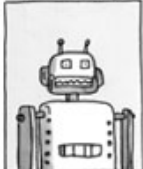
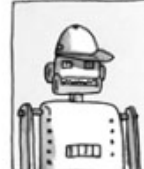
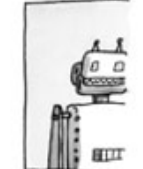
LEARN MORE







EMPLOYEES OF THE MONTH

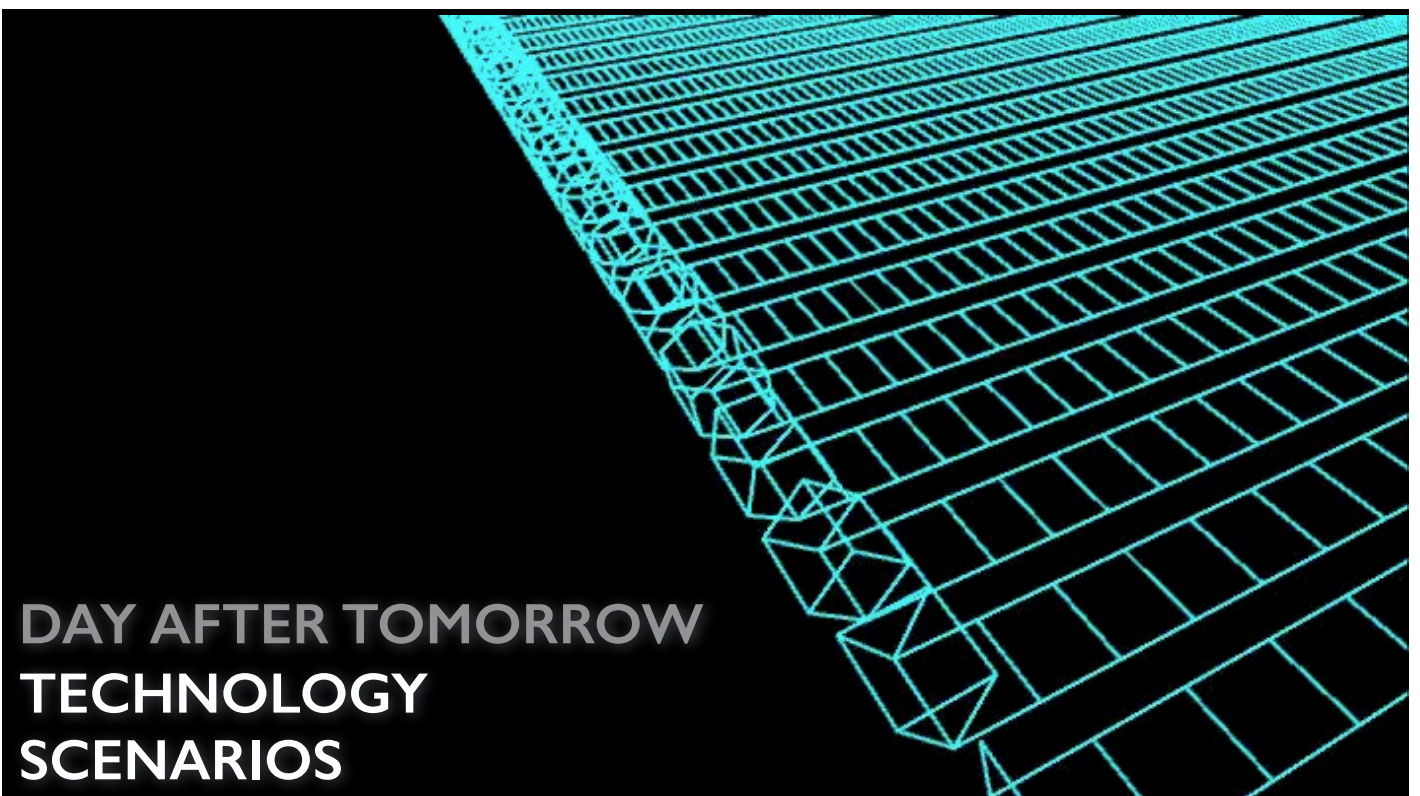
JANUARY	FEBRUARY	MARCH	APRIL	MAY
 ETHEL	 MATT	 FRANK	 CAROL	 MARTON
JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER
 TOM	 AUTOTRON	 AUTOTRON	 AUTOTRON	 AUTOTRON

Kanin

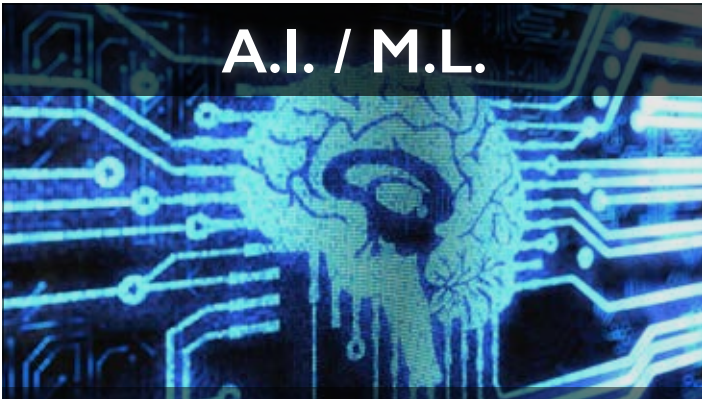


HOW WILL WE COPE ?

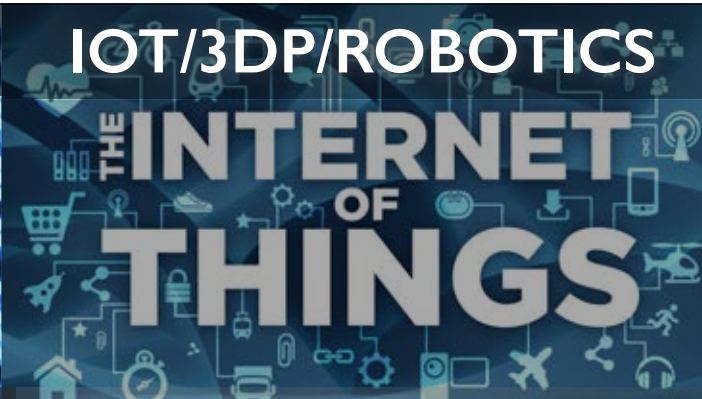




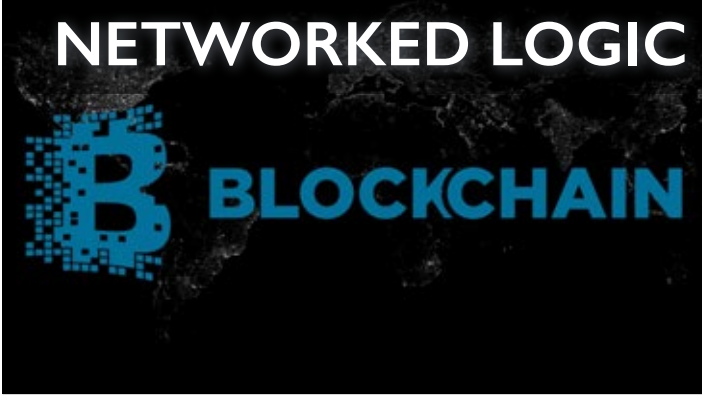
**DAY AFTER TOMORROW
TECHNOLOGY
SCENARIOS**



A.I. / M.L.

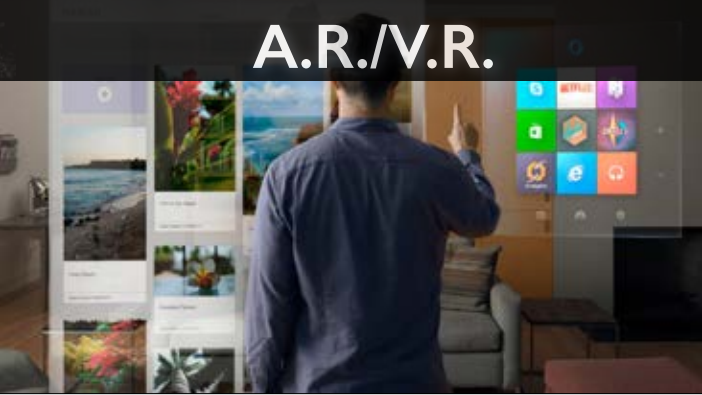


IOT/3DP/ROBOTICS

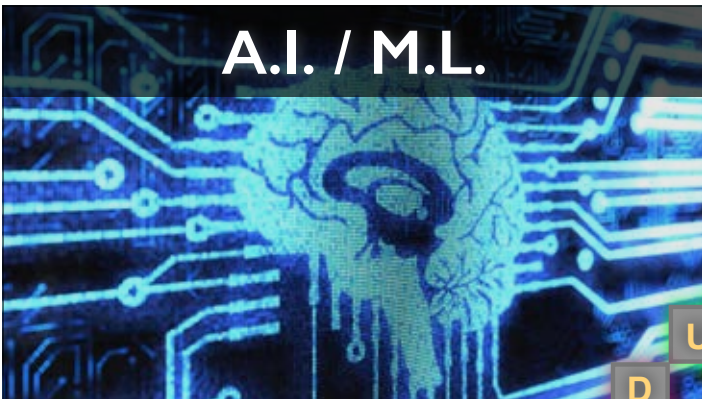


NETWORKED LOGIC

BLOCKCHAIN



A.R./V.R.



A.I. / M.L.



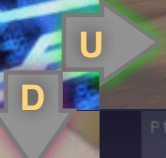
AUTONOMOUS WORLD

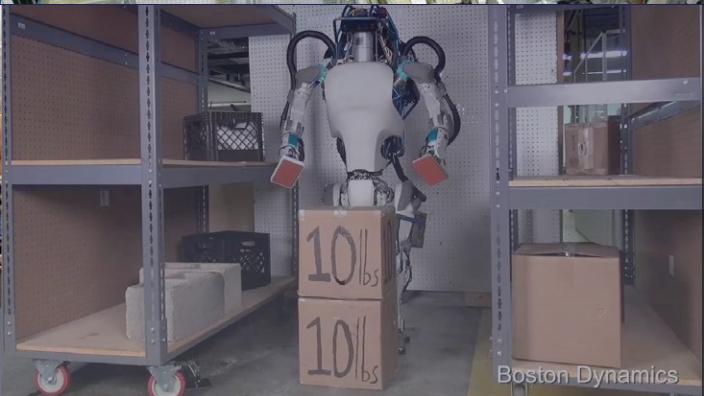
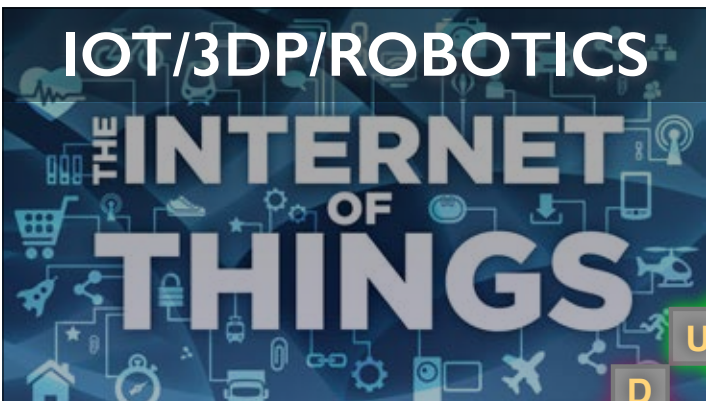
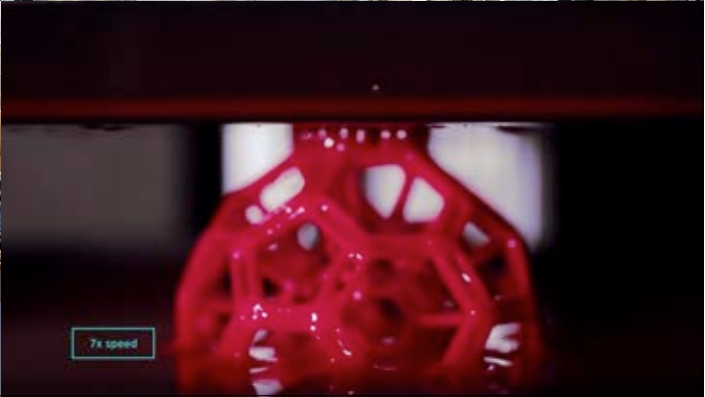
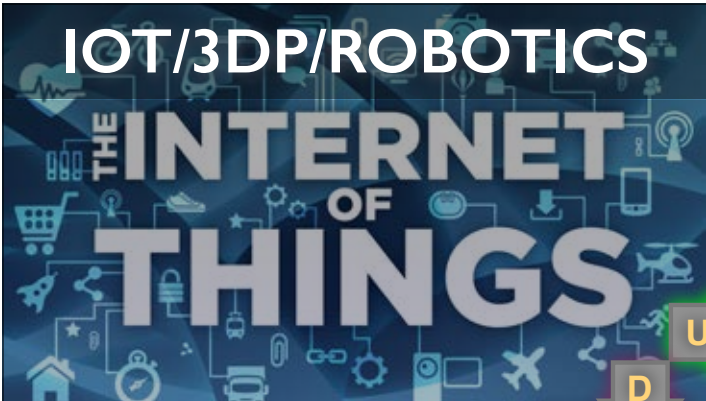


SUPERINTELLIGENCE

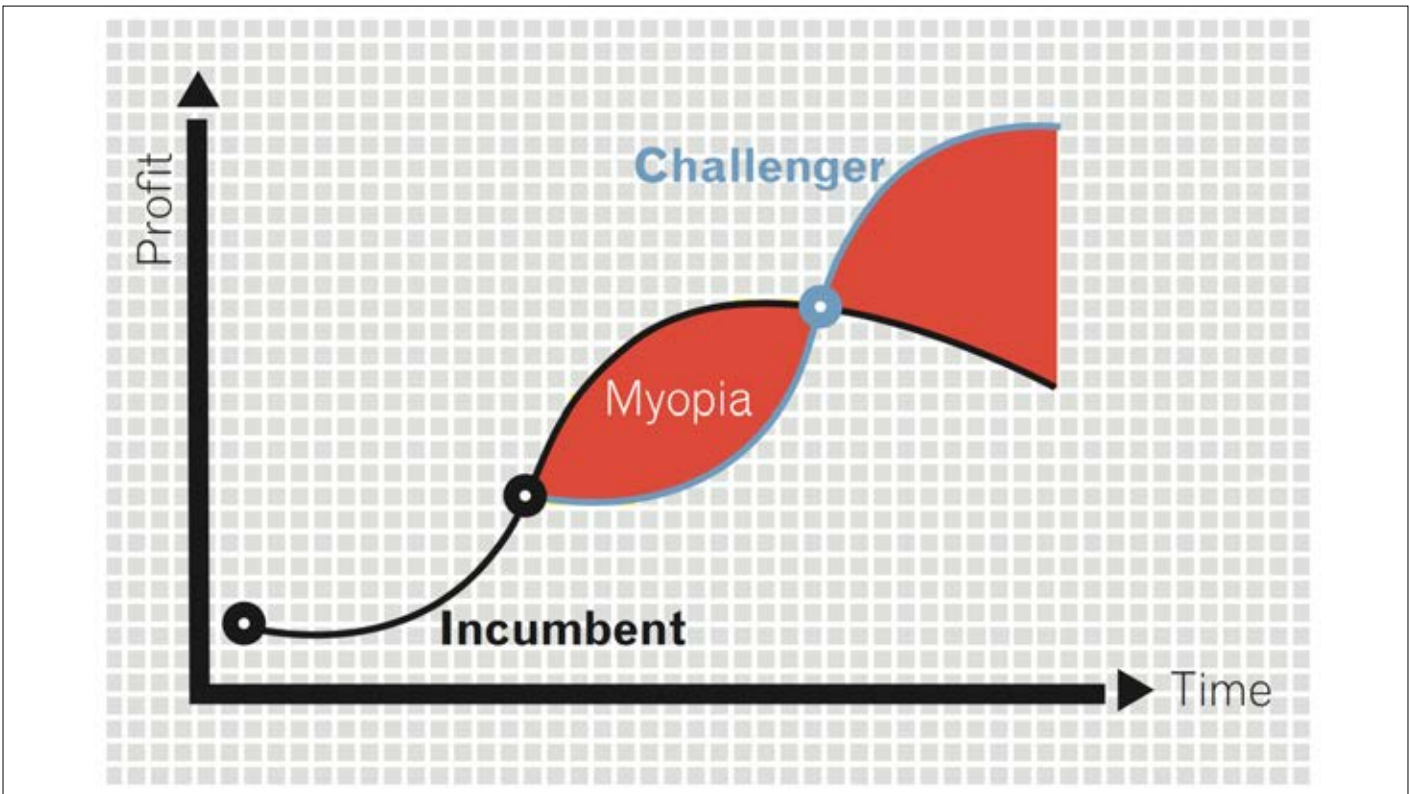
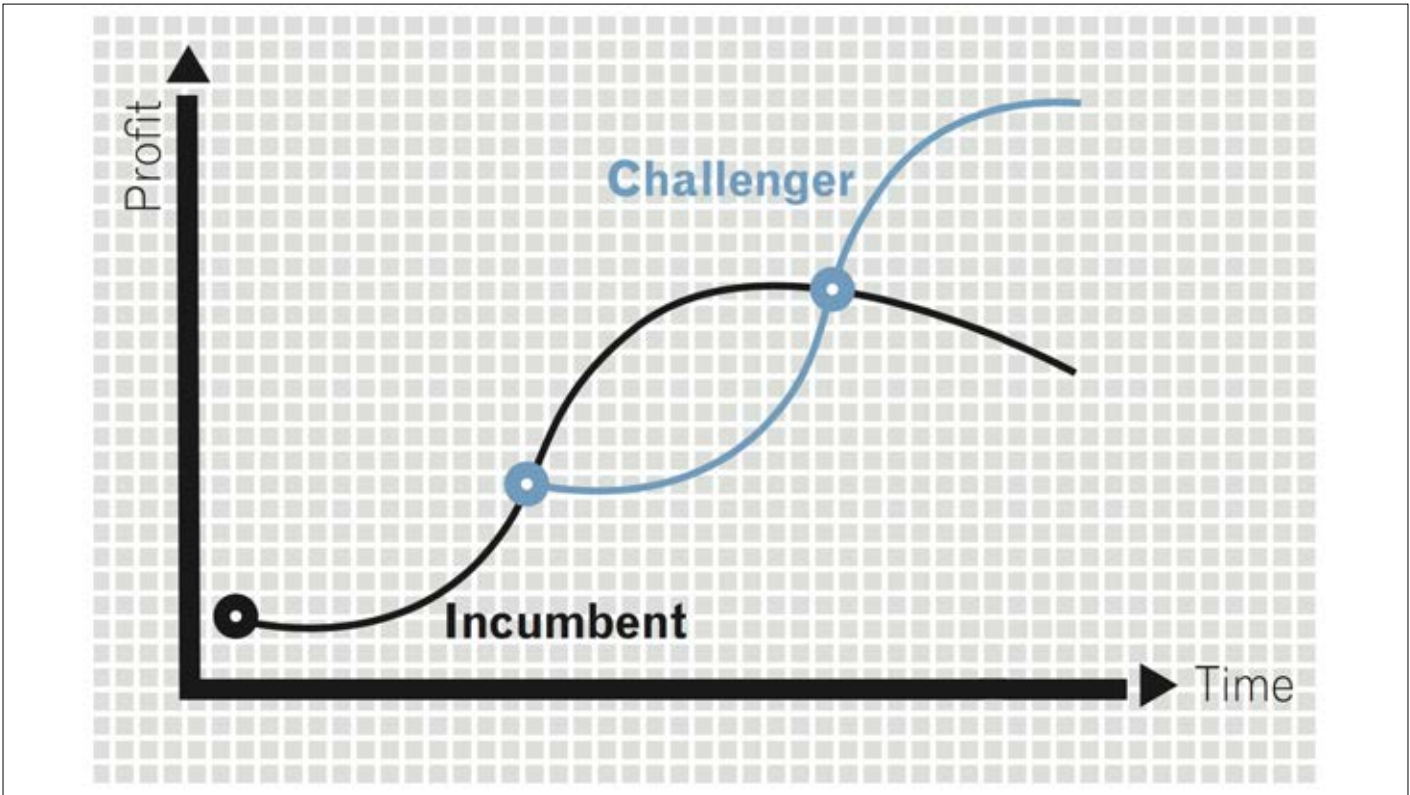


PI L15 AUTONOMOUS



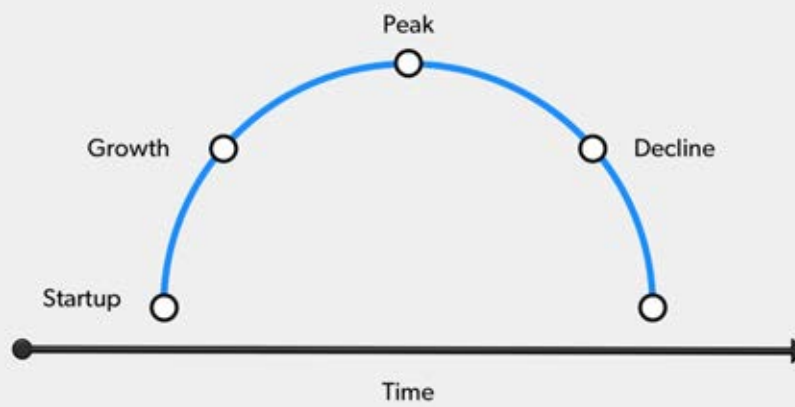


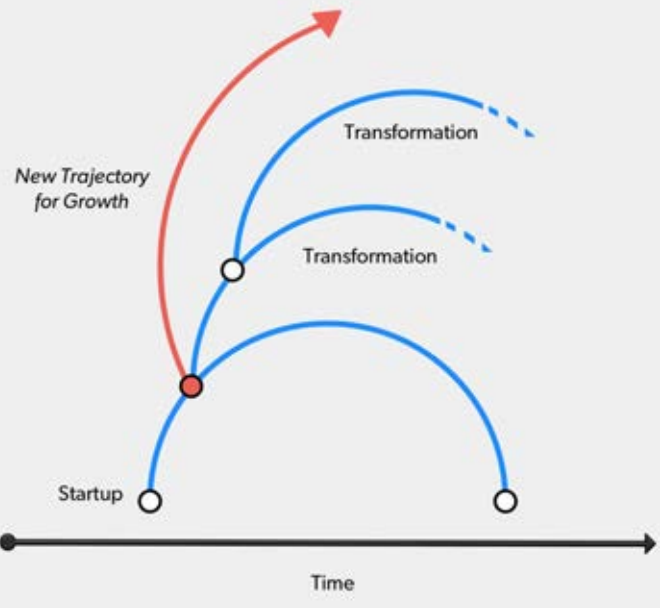
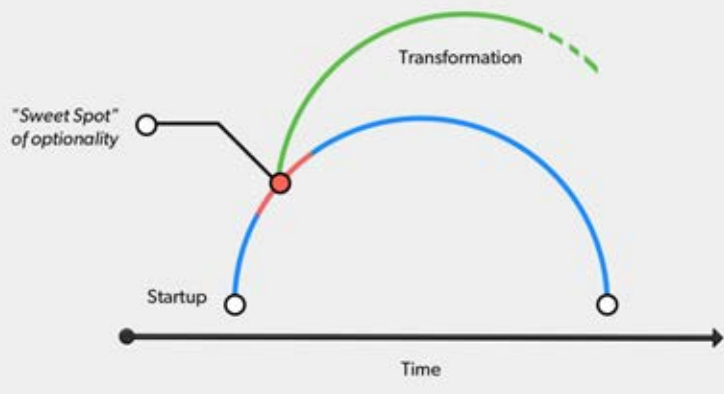




* CREDITS to MARK LESLIE

OPTIONALITY DAY AFTER TOMORROW







DAY
AFTER
TOMORROW



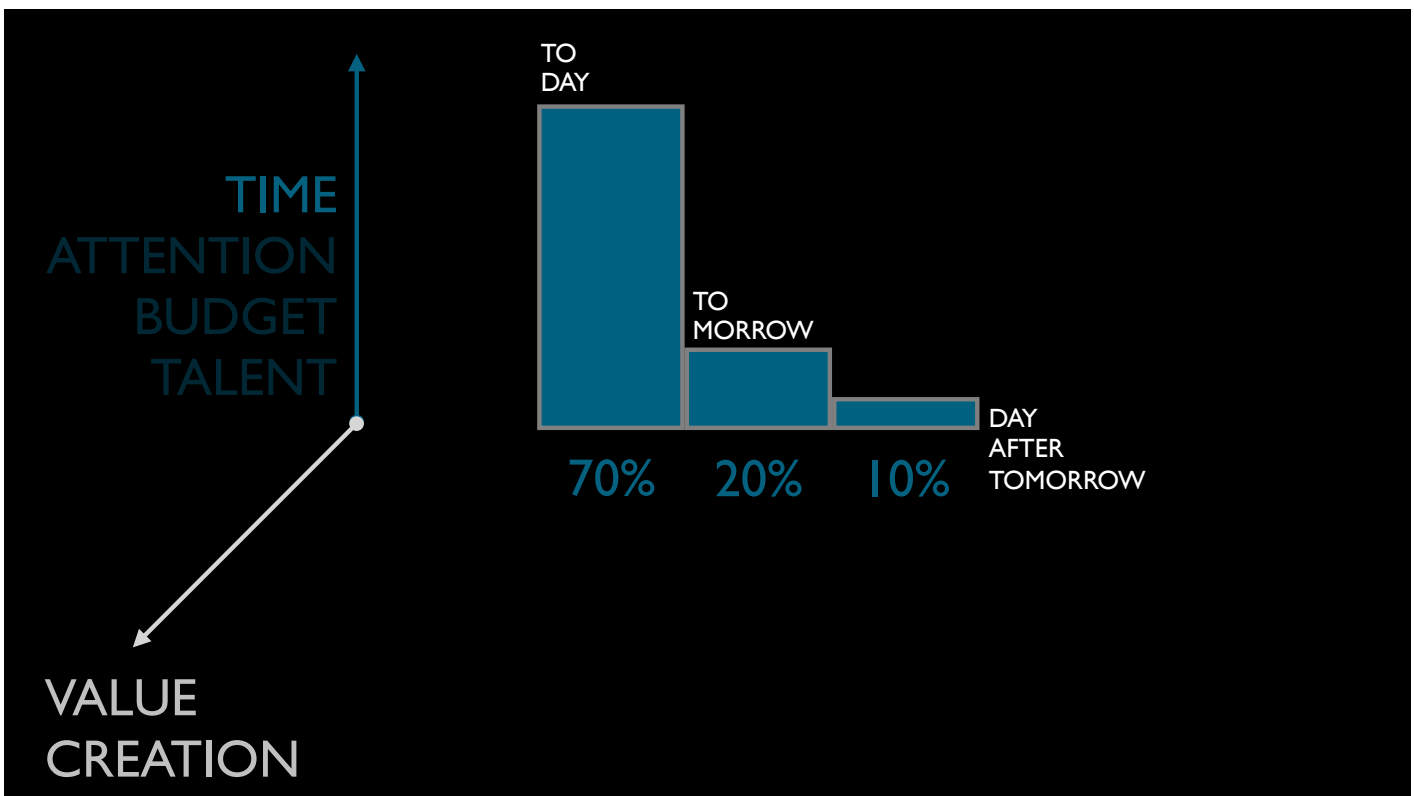
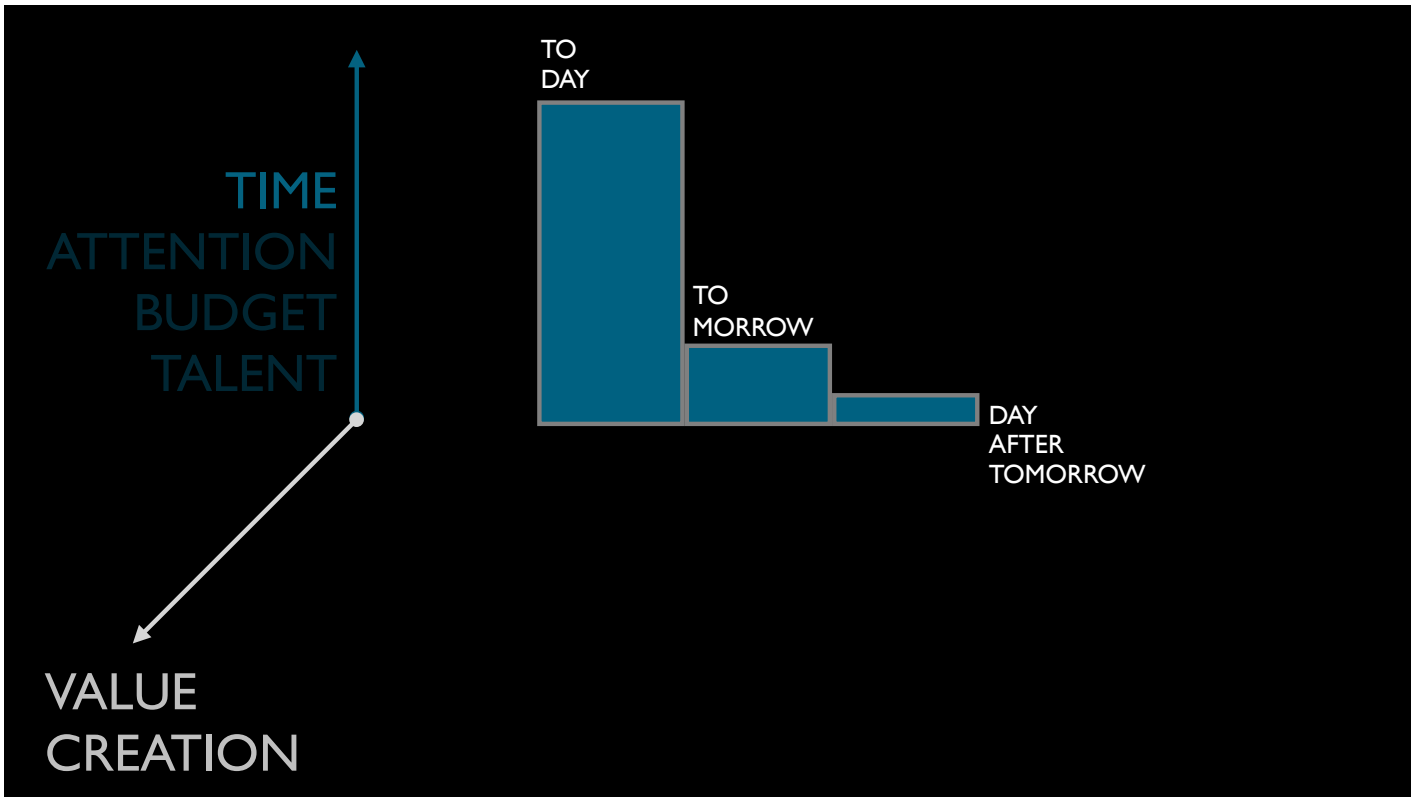
TIME
ATTENTION
BUDGET
TALENT

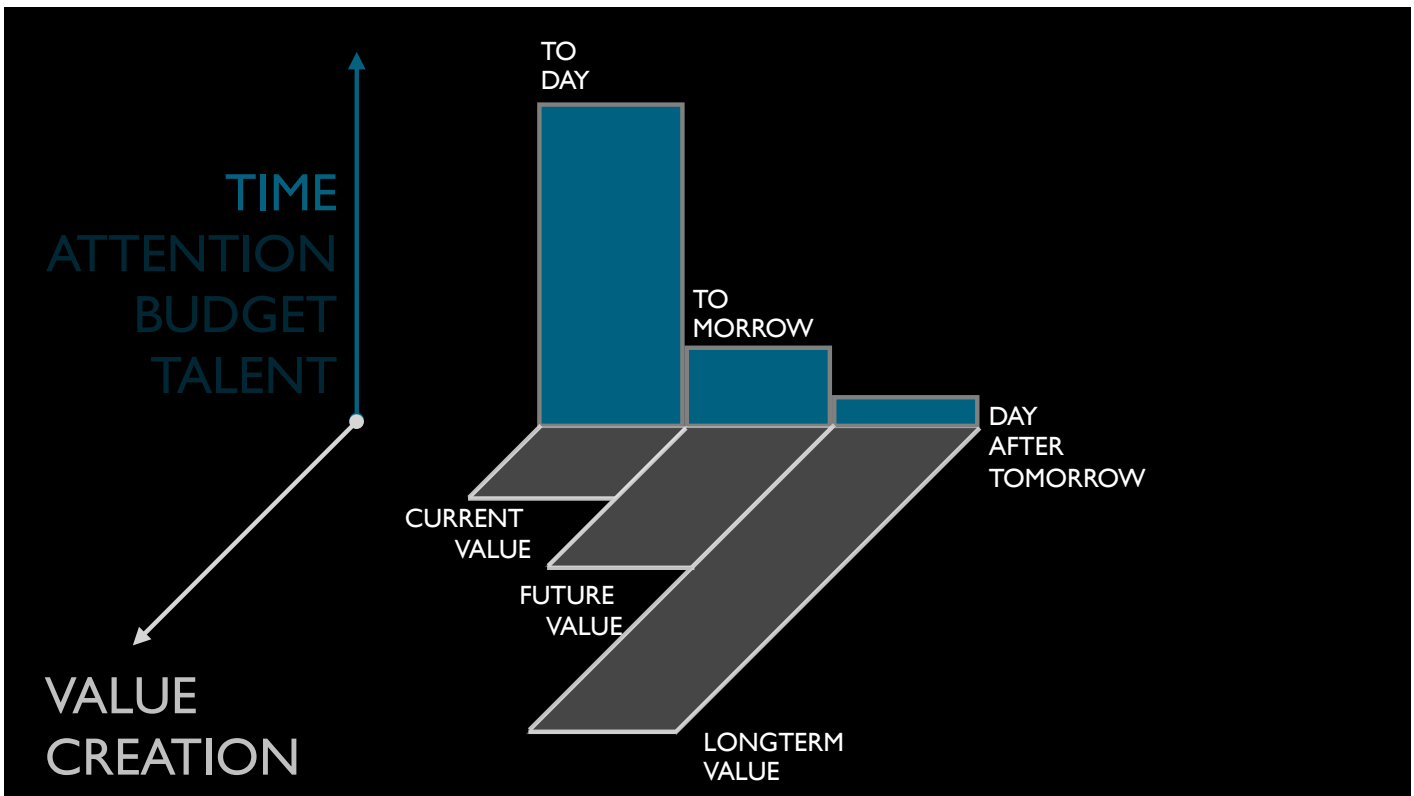
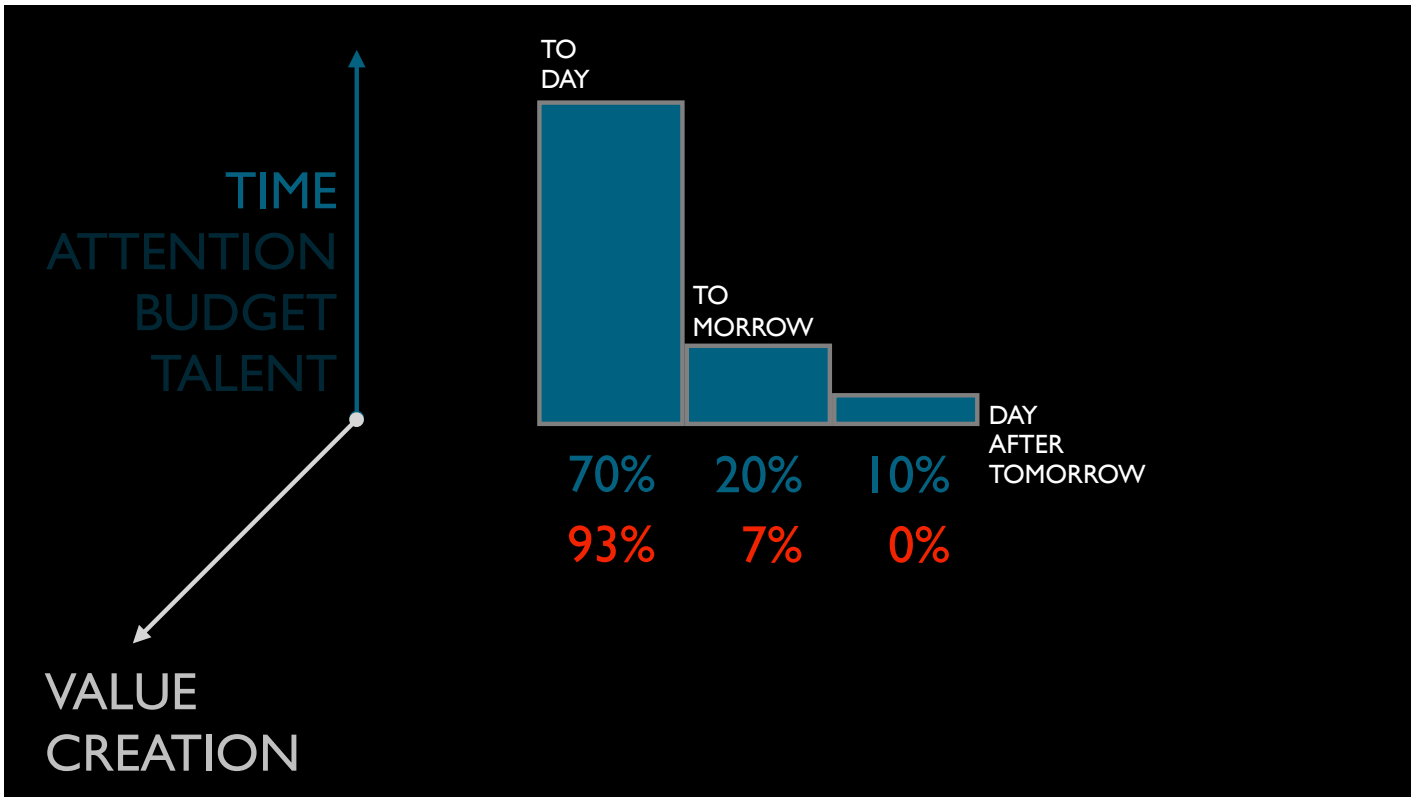


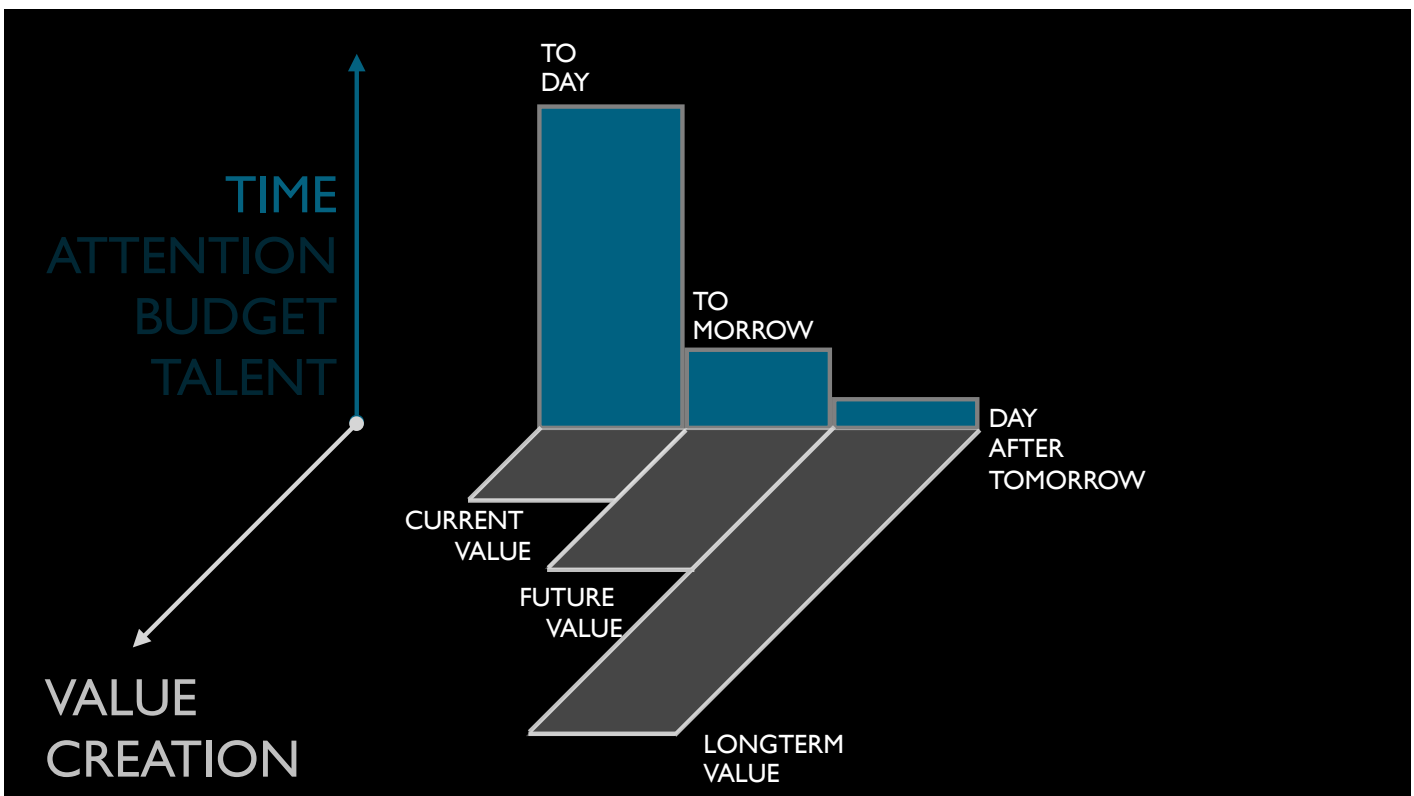
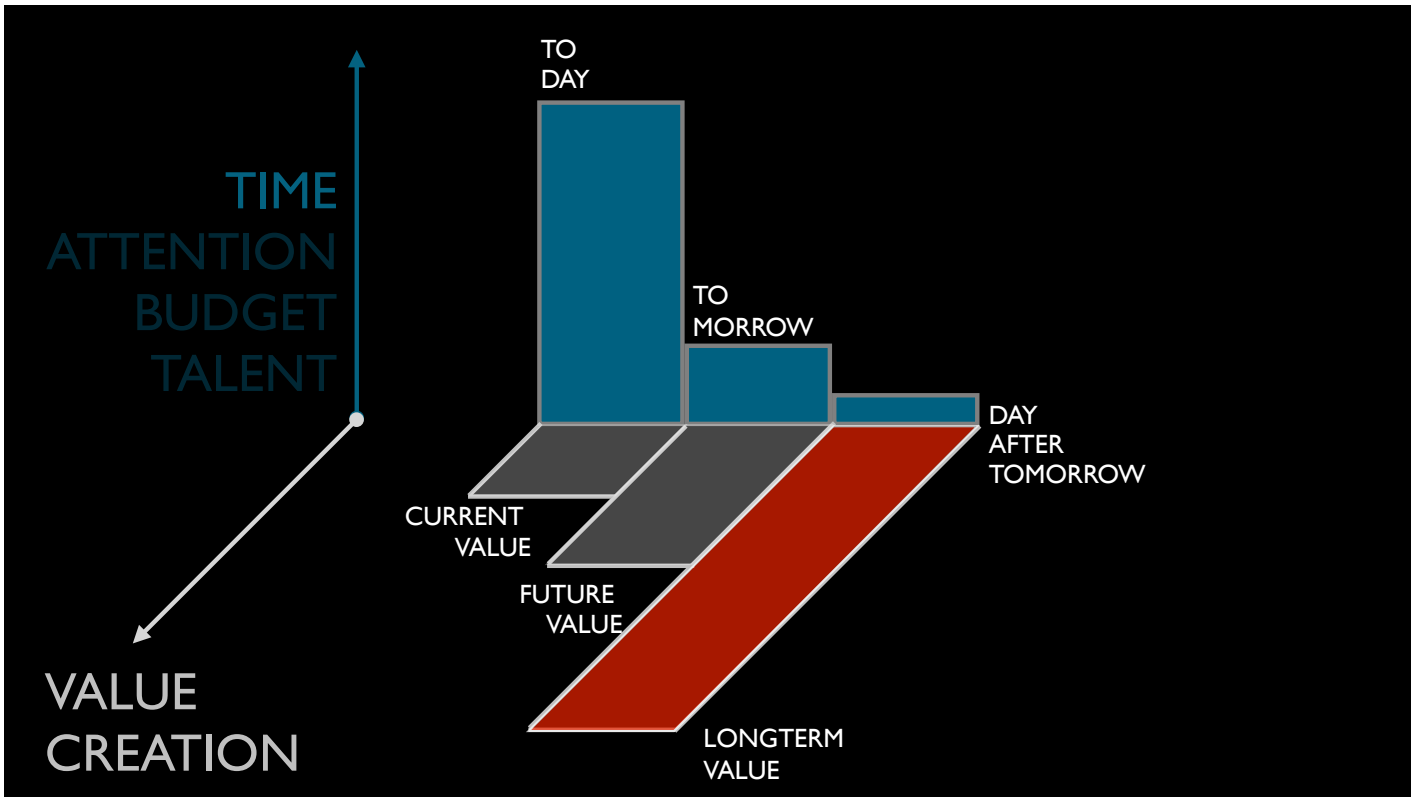
VALUE
CREATION

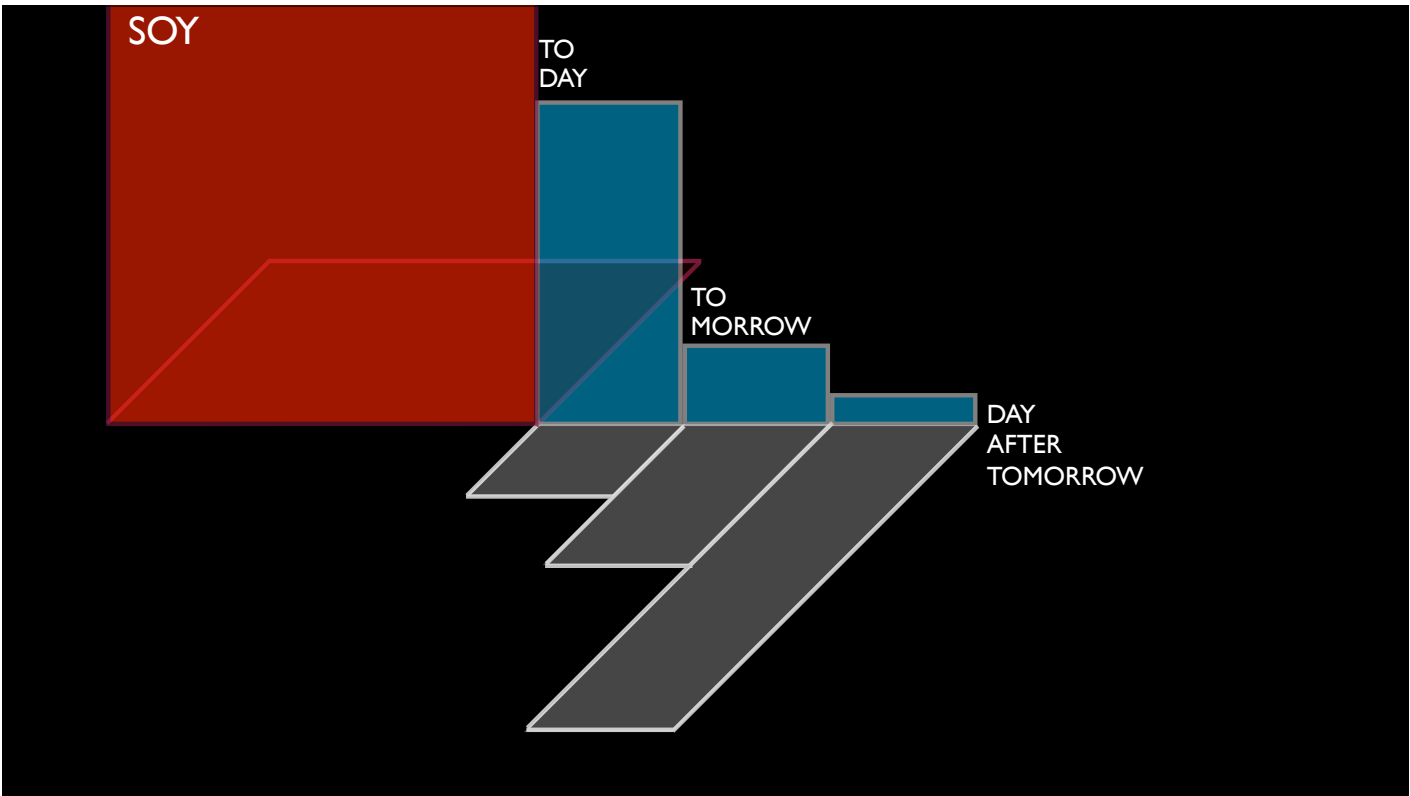
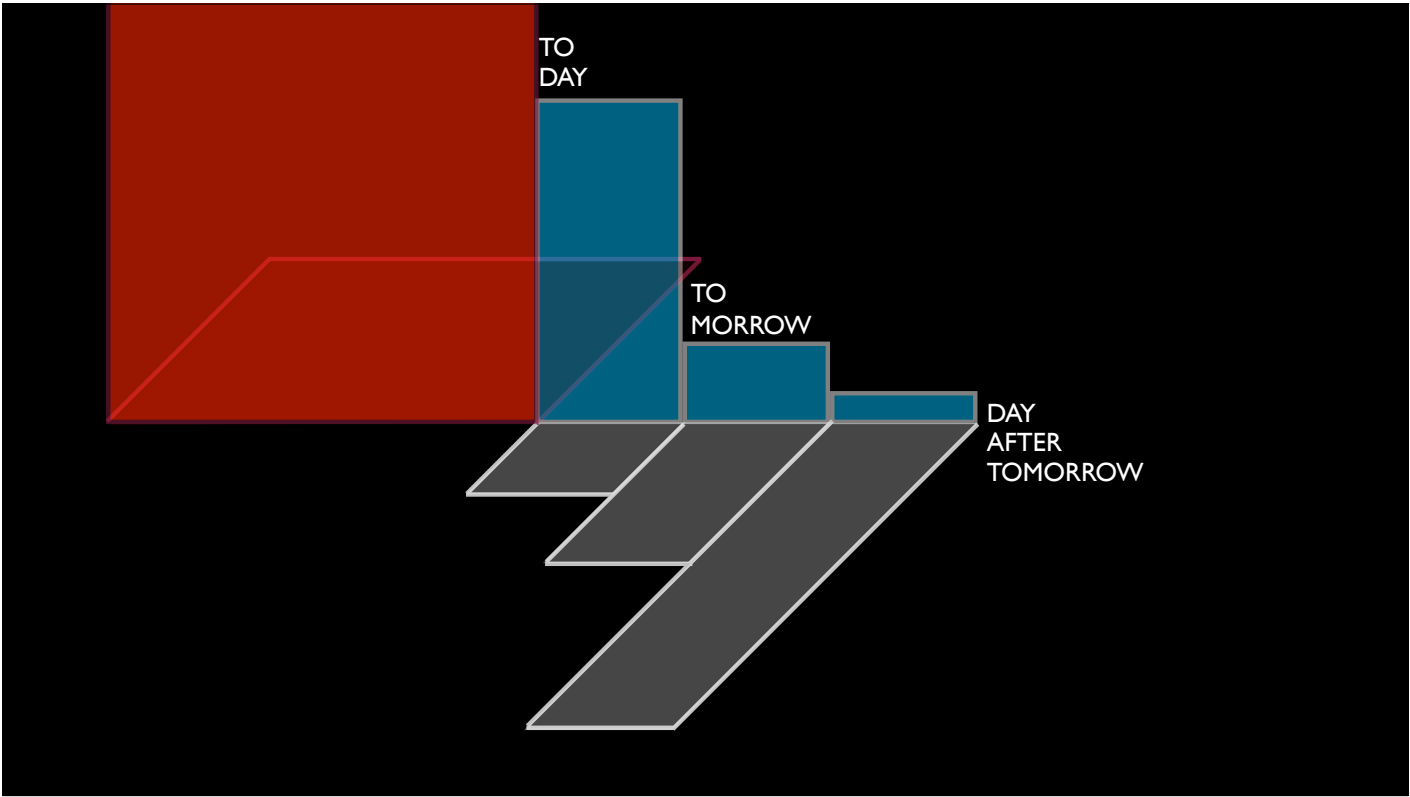


DAY
AFTER
TOMORROW





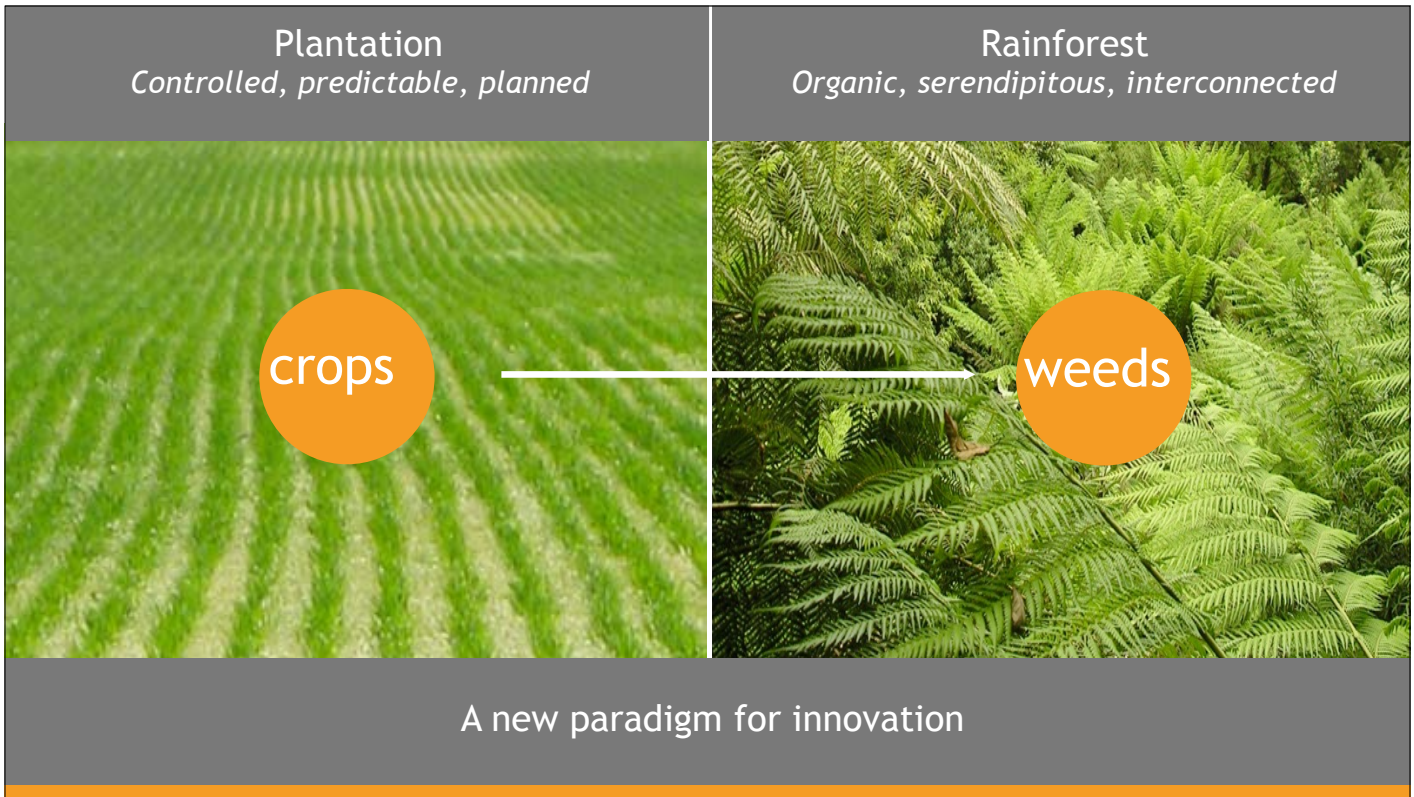




DAY
AFTER
TOMORROW







<p>Rules of the Plantation <i>for Production</i></p> <p>Efficiency - Productivity - Profitability - Scalability</p>	<p>Rules of the Rainforest <i>for Innovation</i></p> <p>Radical - Serendipity - Fail Forward - Non Linear</p>
<ol style="list-style-type: none"> 1. Excel at your job 2. Be loyal to your team 3. Work with those you can depend on 4. Seek a competitive edge 5. Do the job right the first time 6. Strive for perfection 7. Return favors 	<ol style="list-style-type: none"> 1. Break rules and dream 2. Open doors and listen 3. Trust and be trusted 4. Seek fairness, not advantage 5. Experiment and iterate together 6. Err, fail, and persist 7. Pay it forward



MINDSET

The image shows the top section of the Planet.com website. It features a satellite view of an industrial facility with numerous storage tanks and buildings. In the top left corner is the Planet logo. A navigation menu in the top right includes links for CONTACT SALES, SIGN UP, LOG IN, PRODUCTS, MARKETS, GALLERY, COMPANY, and BLOG. A dark grey call-to-action box is overlaid on the right side of the image, containing the headline 'SEE CHANGE. CHANGE THE WORLD.', a sub-headline, and a 'WATCH THE VIDEO' link with a right-pointing arrow. At the bottom of the page, there is a dark footer with text for an 'Ag Webinar On-Demand' and a 'JOIN NOW' link.

planet.

CONTACT SALES | SIGN UP | LOG IN

PRODUCTS | MARKETS | GALLERY | COMPANY | BLOG

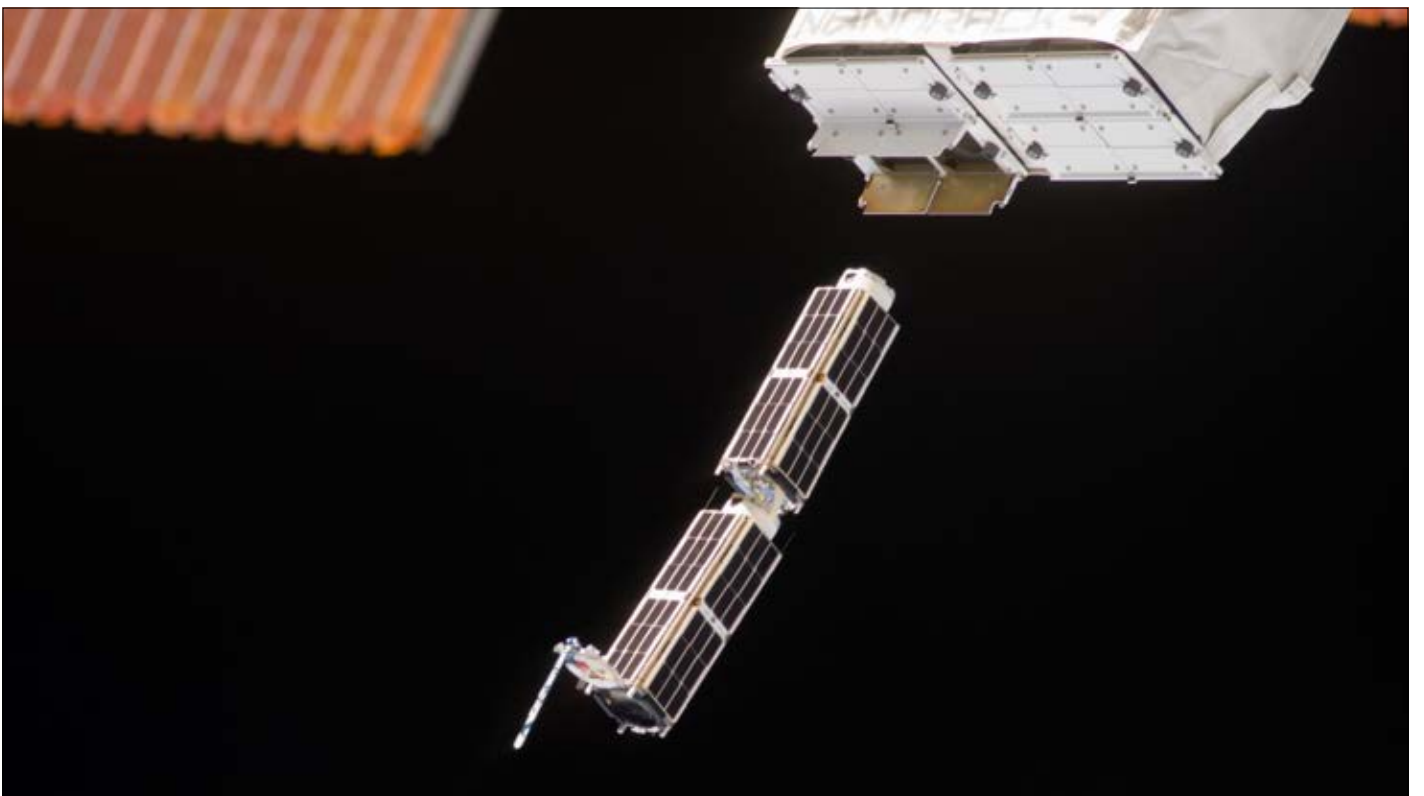
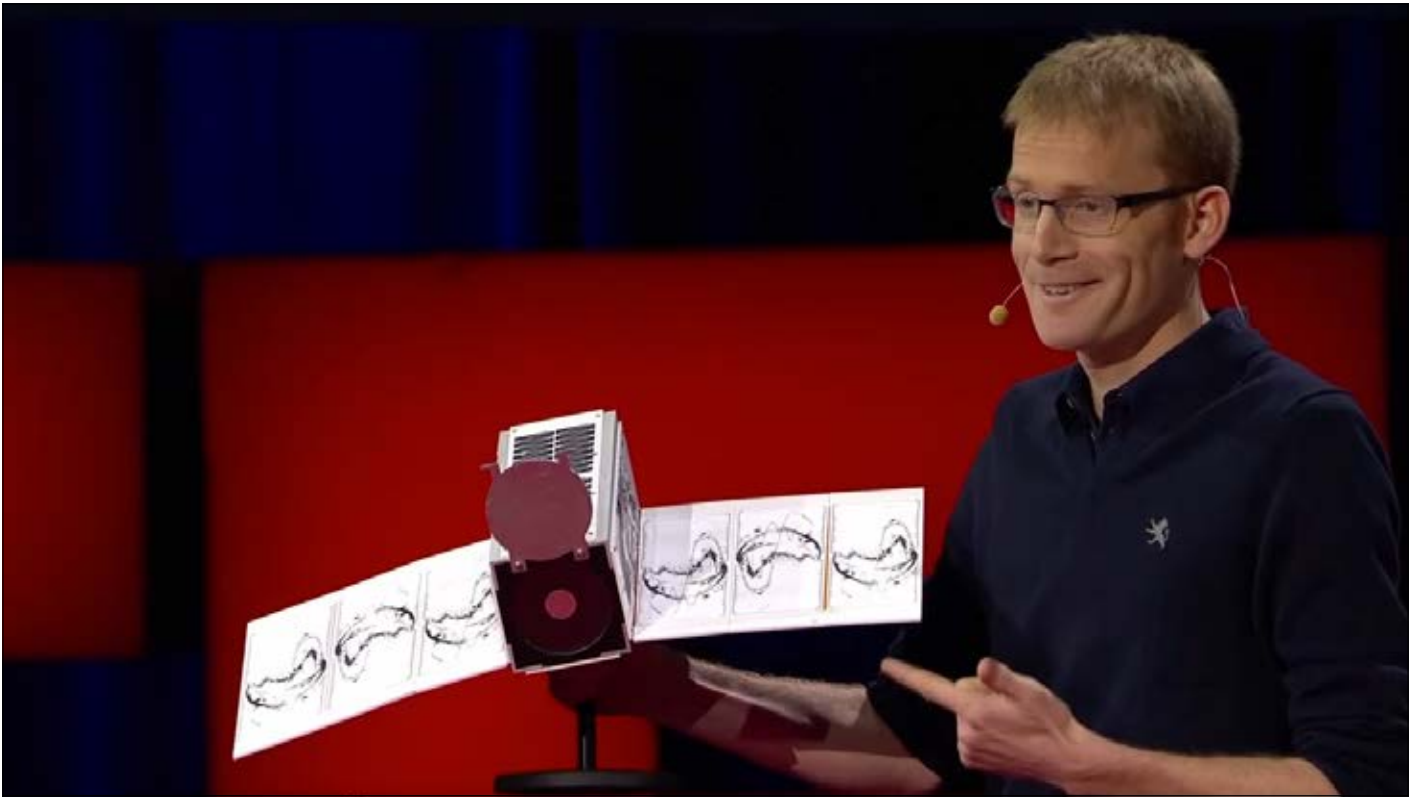
SEE CHANGE. CHANGE THE WORLD.

Learn how global coverage and daily imagery helps you move from seeing the past to understanding what's happening today

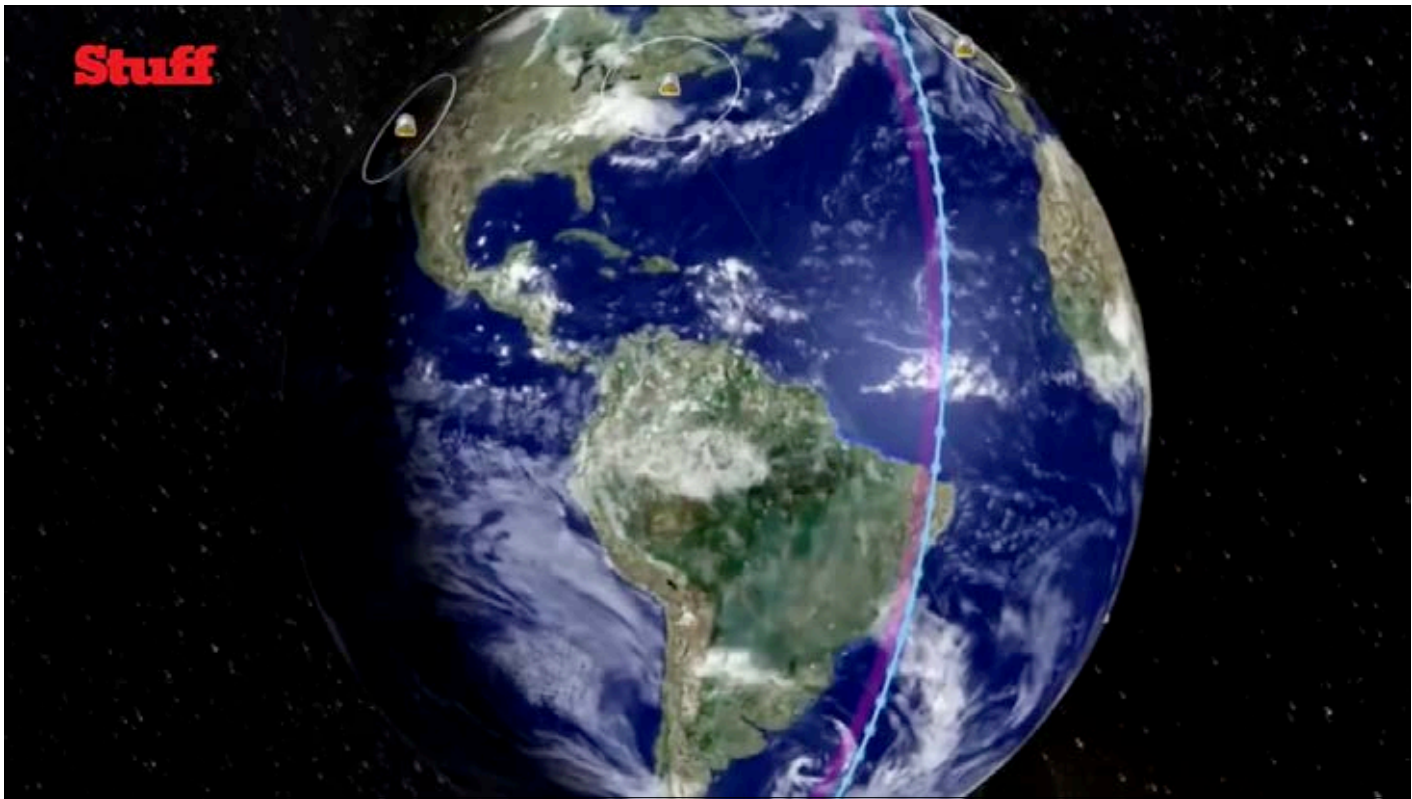
[WATCH THE VIDEO →](#)

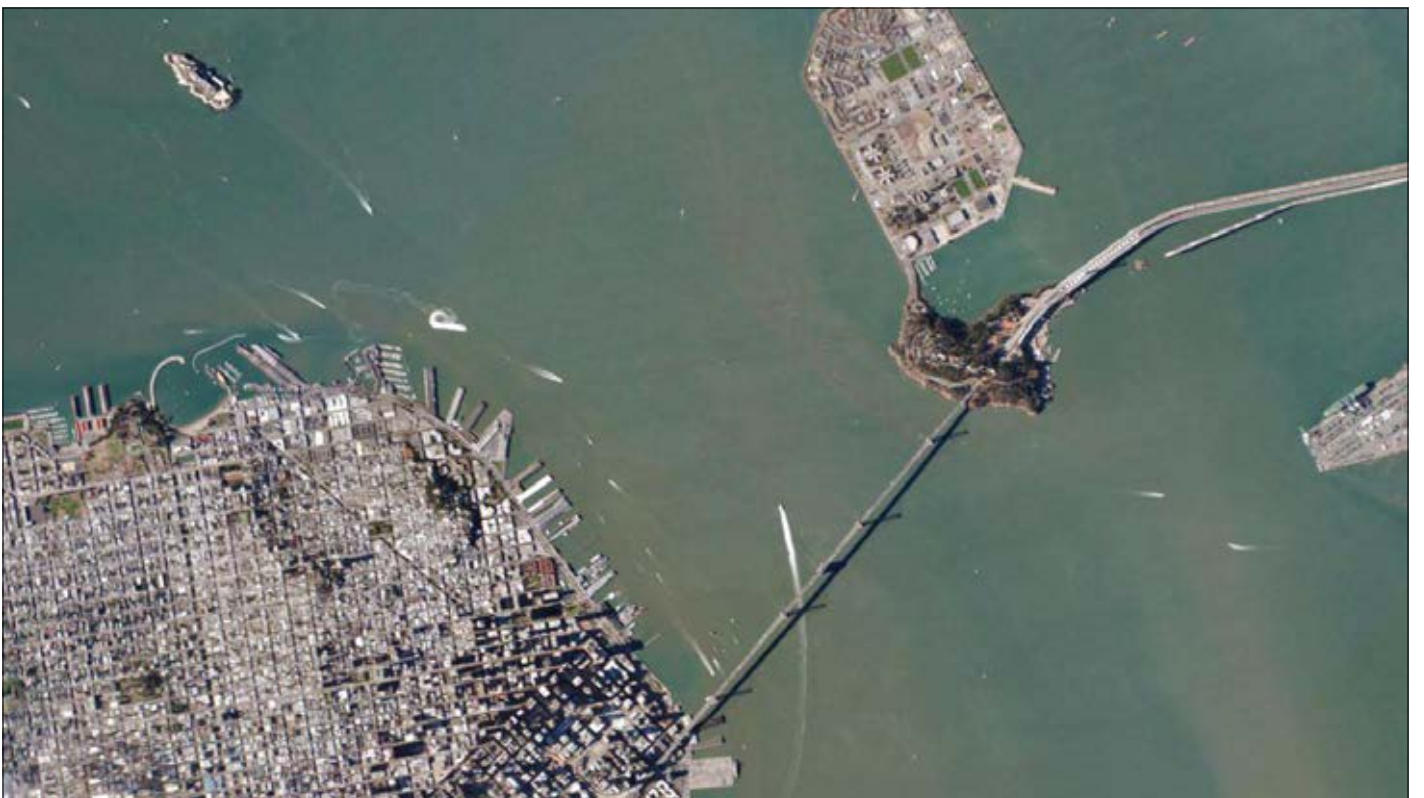
Ag Webinar On-Demand | Learn how satellite monitoring advances precision farming [JOIN NOW](#)

gnitmit noitserp sacnevdbe gnrtioinrom etillitazet wotl nreel | dnemef-nd tenldw eB [JOIN NOW](#)

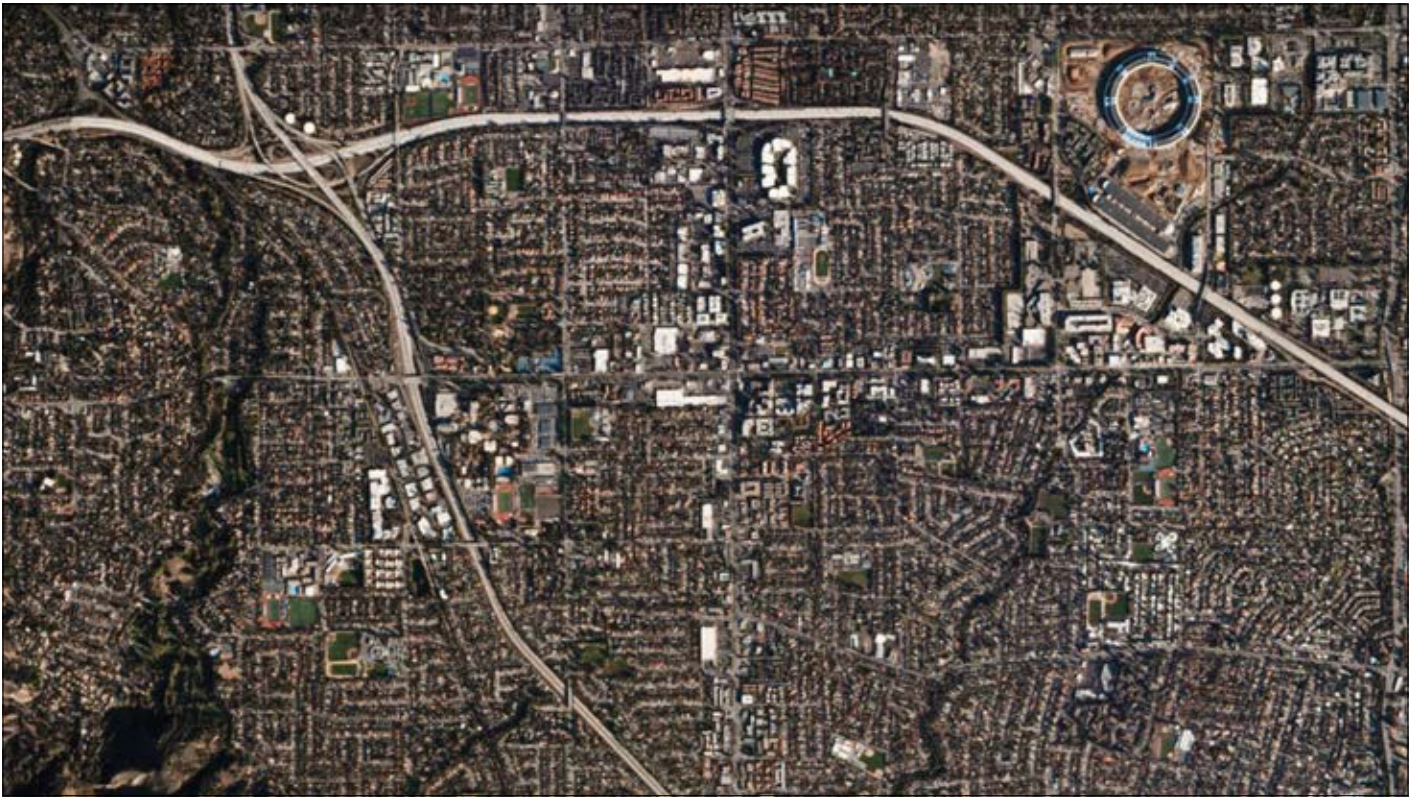


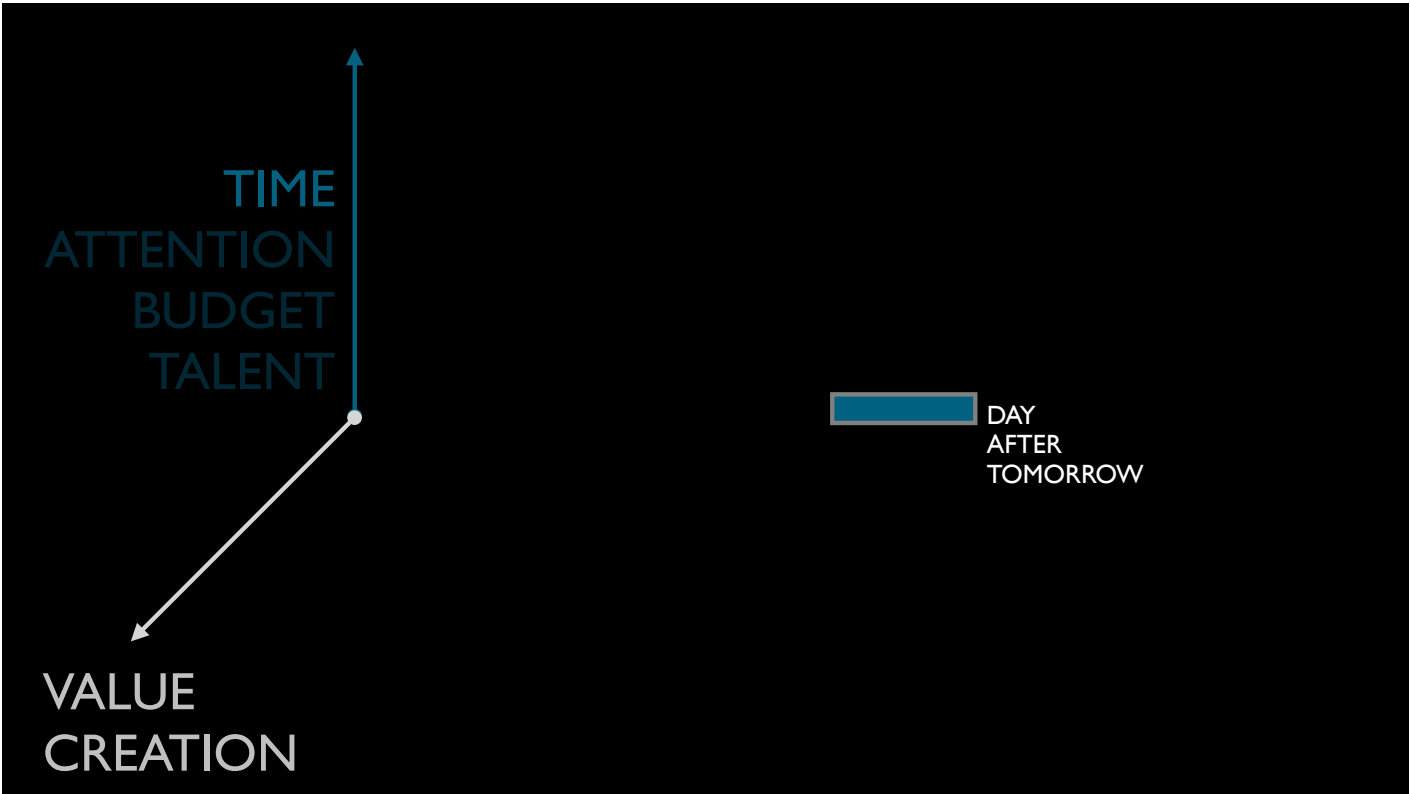


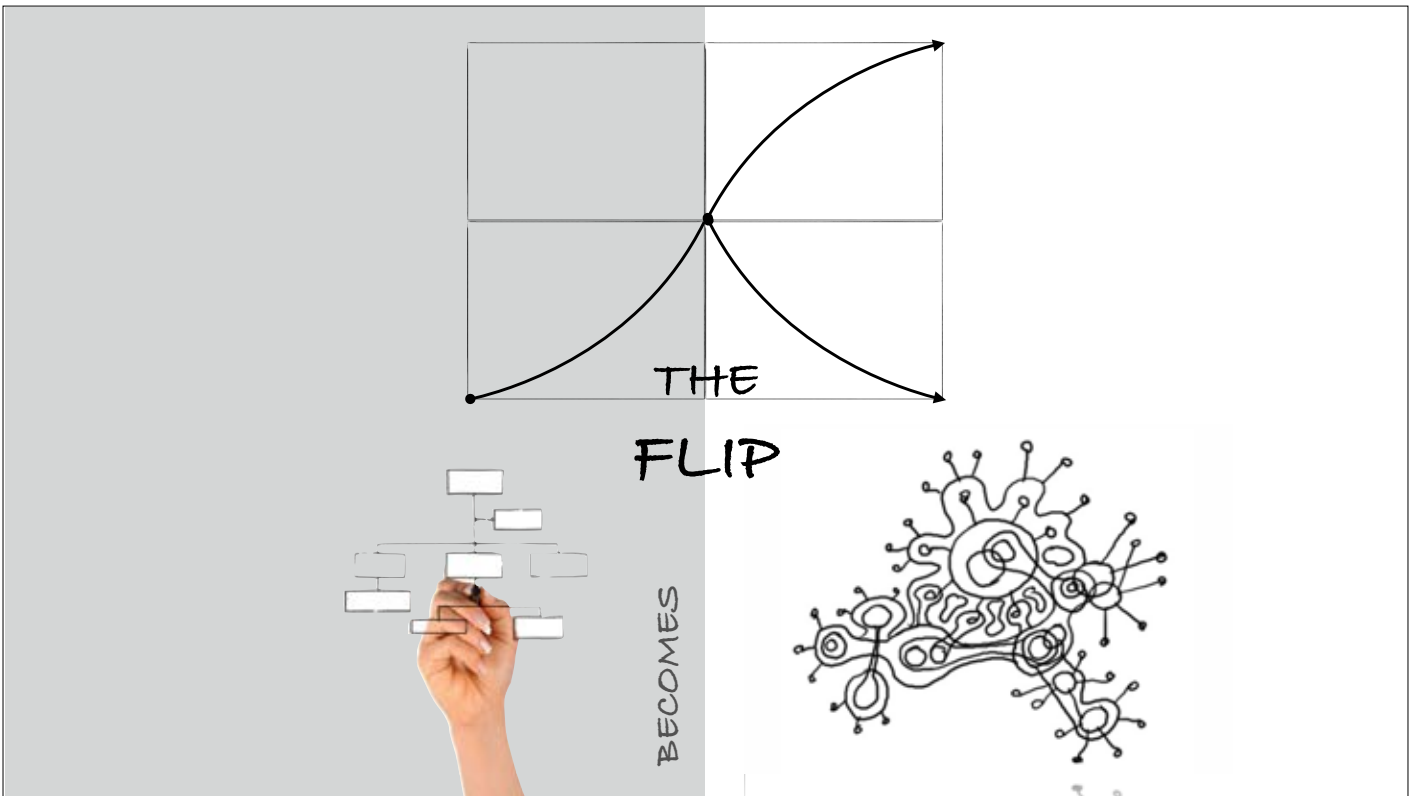
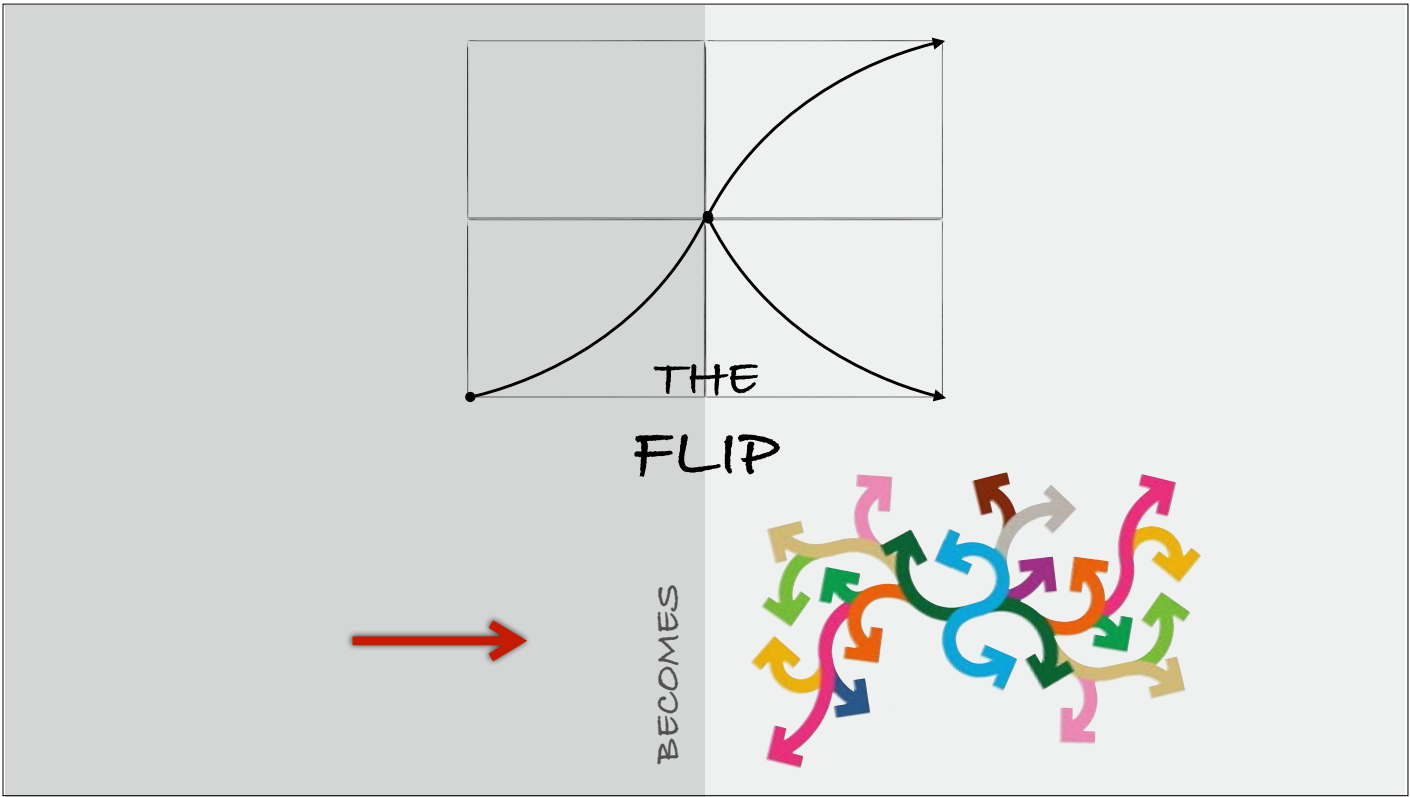




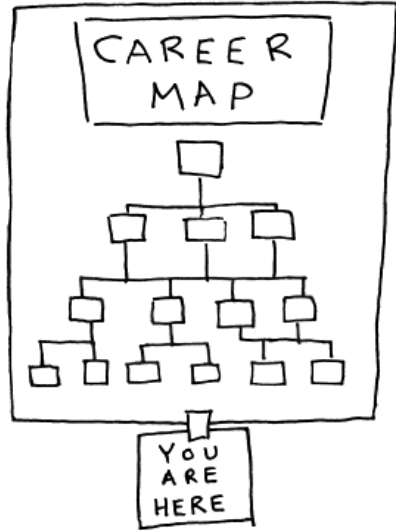








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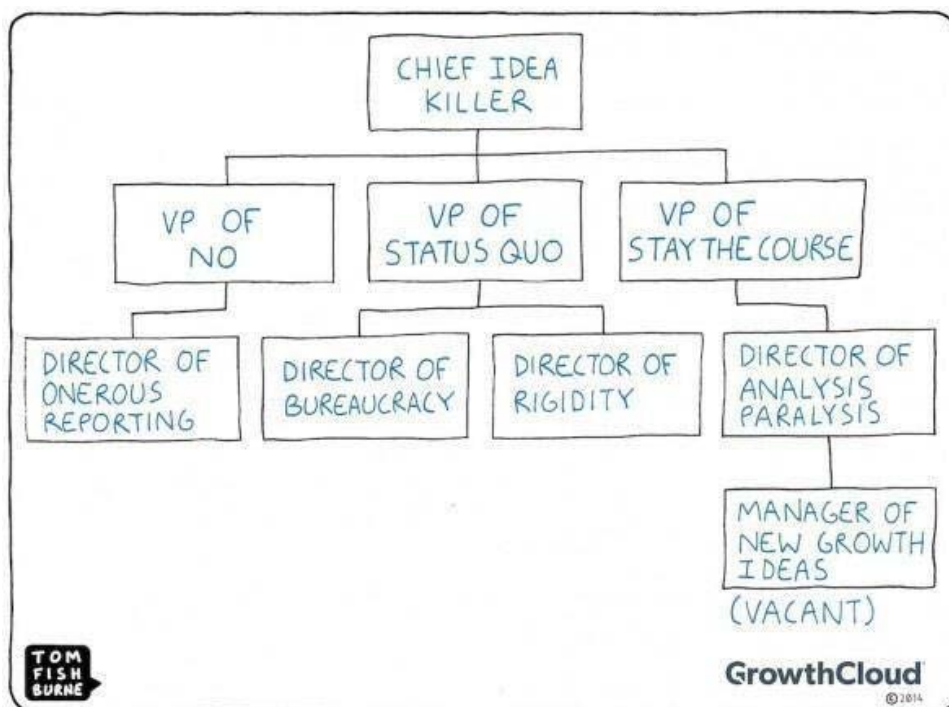


$$r = f(n^m)$$

r = internal resistance to new ideas

n = number of employees

m = number of management levels









STATIC

CAREER
CONTRACT
TRUST
LOYALTY
EMPLOYEE
ORG CHART BOX
WORK 'FOR'
PAY CHECK
BENEFITS
'FACTORY WORKER'
DEDICATION
START & STOP

FLUID

PROJECT
ASSIGNMENT
COMMITMENT
RELEVANCE
CONTRIBUTOR
NETWORK NODE
ENGAGED 'WITH'
FEE
UPSIDE
'BOARD MEMBER'
PASSION
TOTAL FLUIDITY



Max Weber

- founder of Sociology



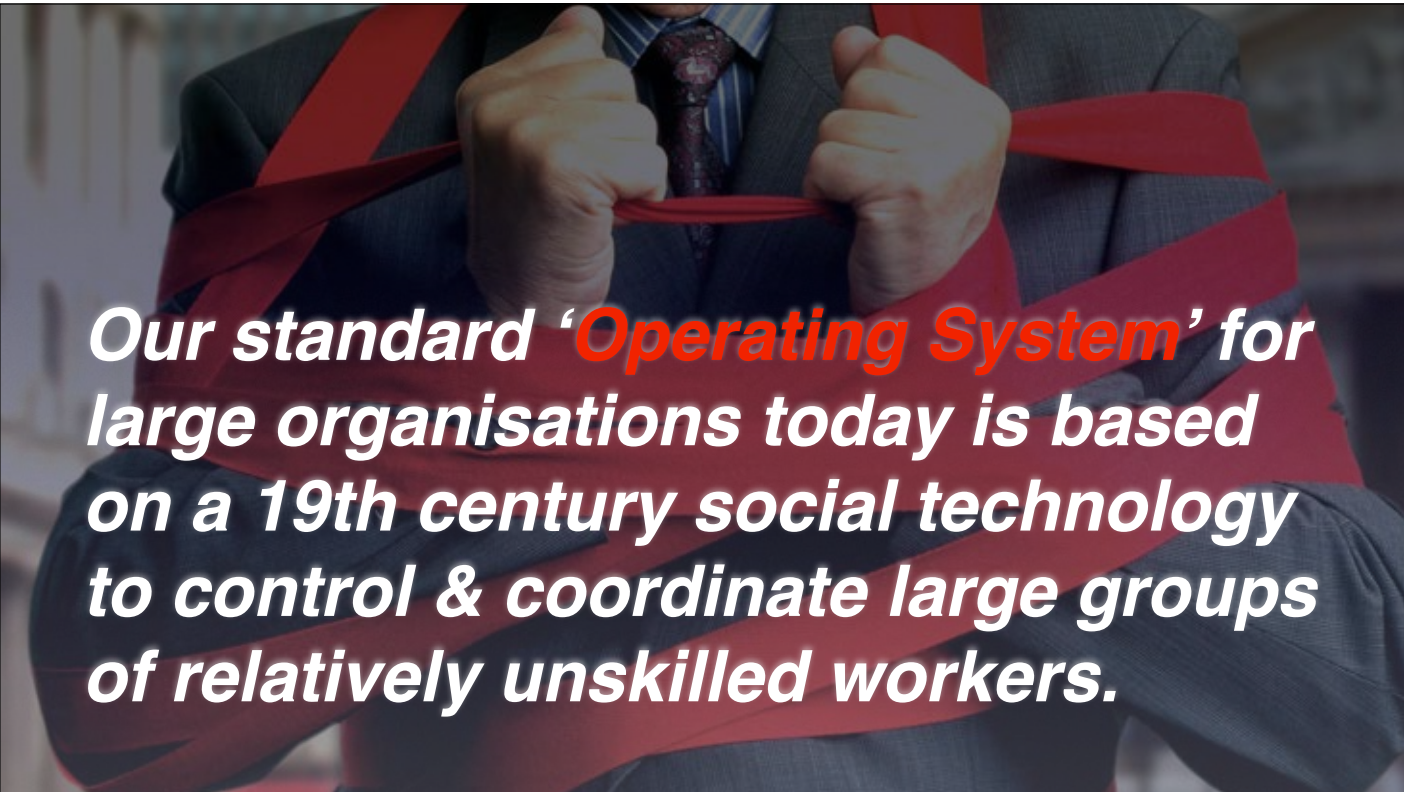
A portrait of Max Weber, a man with a full grey beard and mustache, wearing a dark suit and a white shirt with a dark tie. The background is dark and slightly blurred.

Max Weber

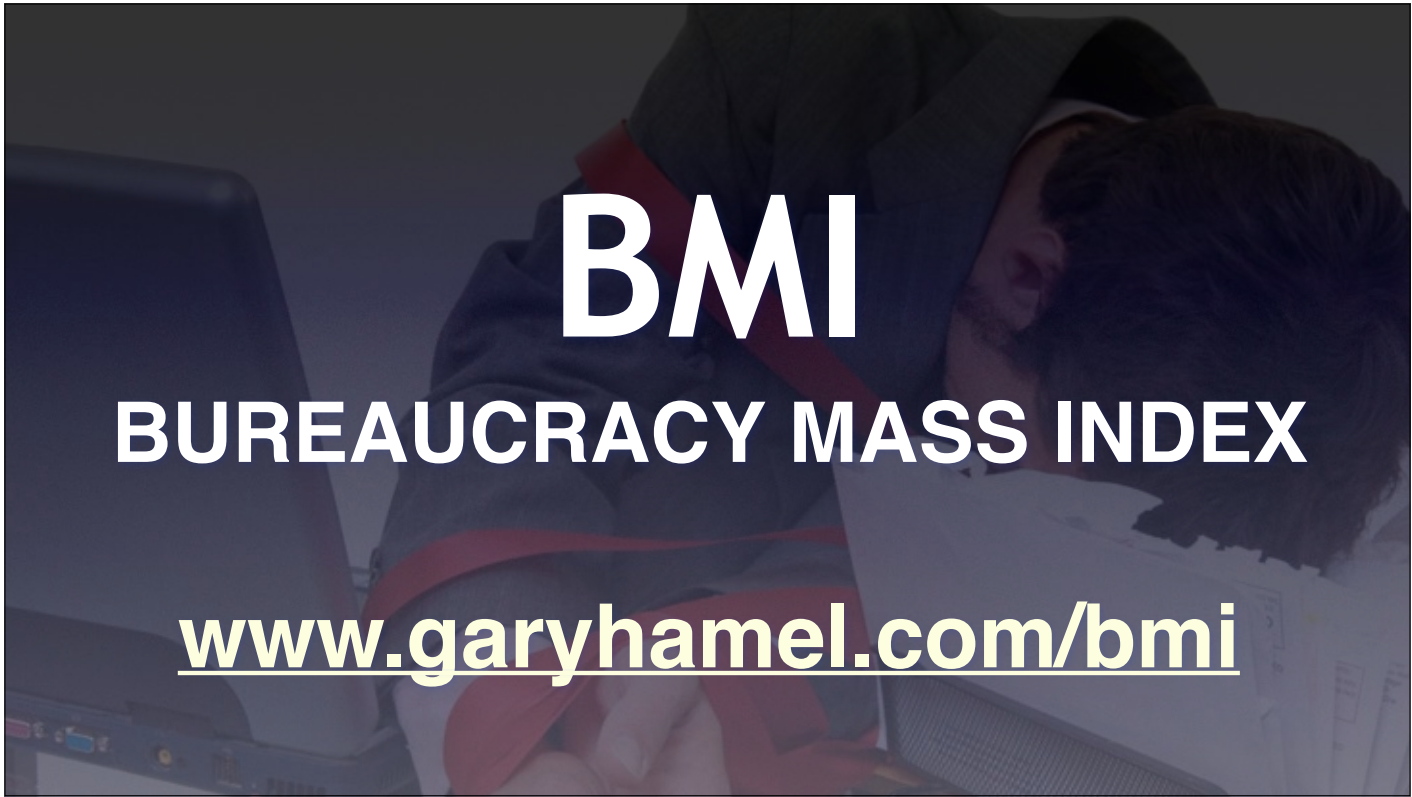
- founder of Sociology

Bureaucracy is superior to any other organisational form in precision, in stability, in discipline, and in reliability.

- 1904

A man in a dark suit and tie is tearing a piece of red fabric. He is holding the edges of the fabric with both hands, pulling it apart. The background is blurred.

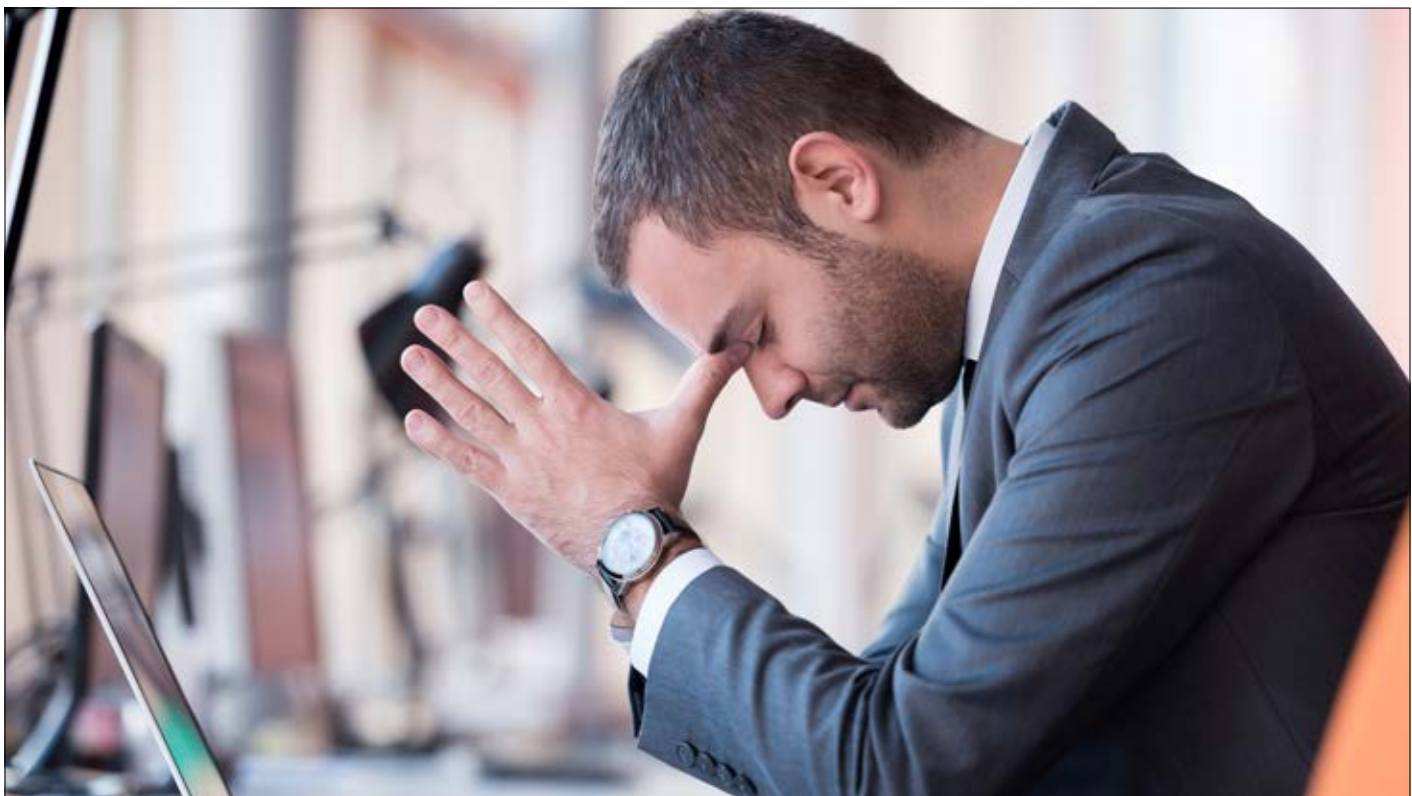
Our standard '**Operating System**' for large organisations today is based on a 19th century social technology to control & coordinate large groups of relatively unskilled workers.



BMI

BUREAUCRACY MASS INDEX

www.garyhamel.com/bmi





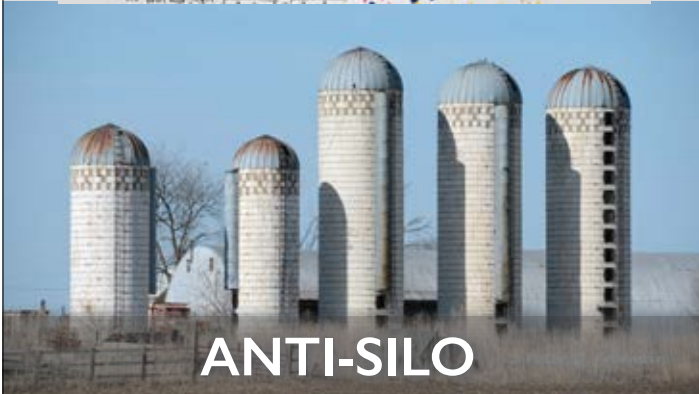
87%
NOT FULLY
ENGAGED



AGILITY



EXPERIMENTATION



ANTI-SILO



COURAGE



DKWTD



DKWTD





KWTD



DKWTD



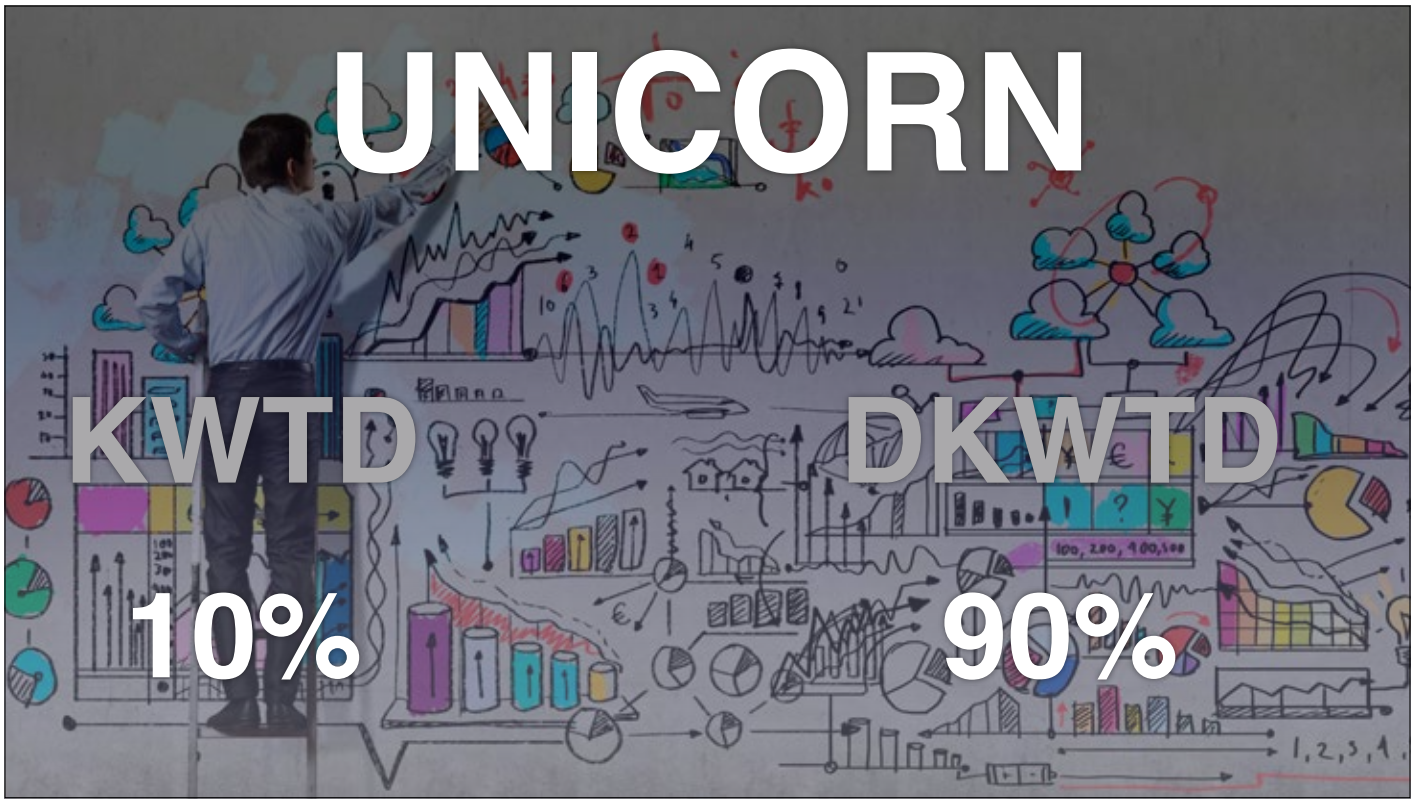
STARTUP

KWTD

DKWTD

1%

99%



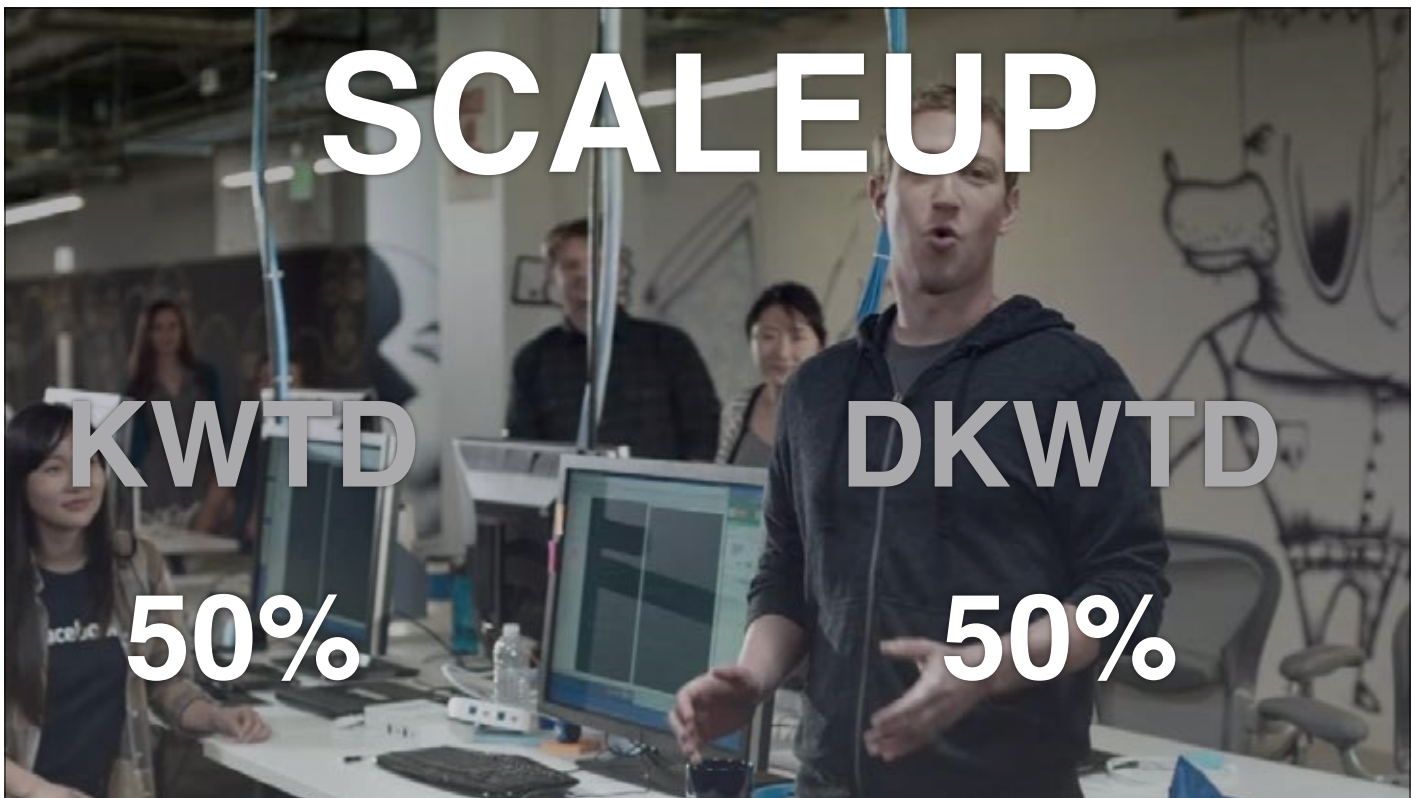
UNICORN

KWT D

DKWT D

10%

90%



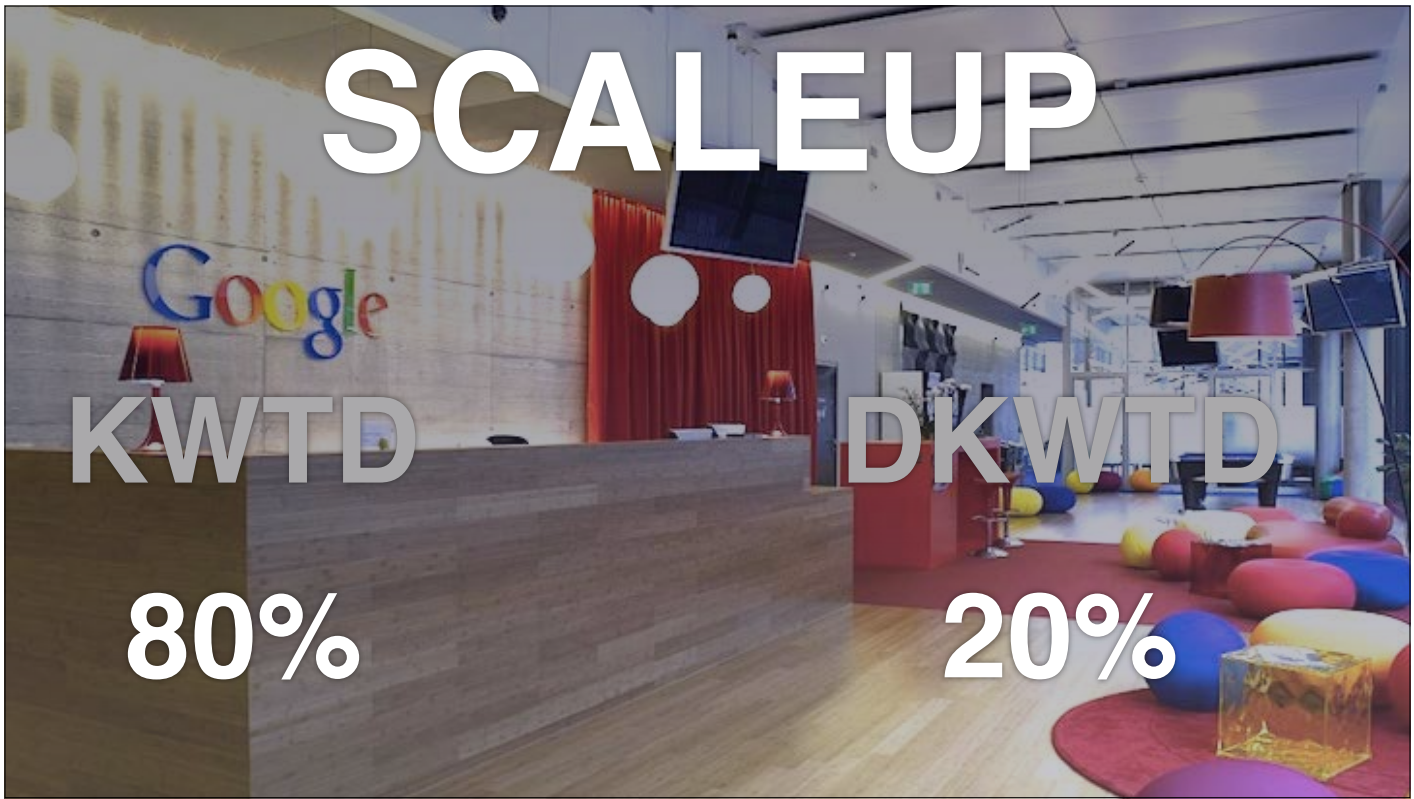
SCALEUP

KWT D

DKWT D

50%

50%



SCALEUP

KWTD

DKWTD

80%

20%



ESTABLISHED

KWTD

DKWTD

99%

1%



INCUMBENT

KWTD

99.99%

DKWTD

0.01%



ESTABLISHED

KWTD

99%

DKWTD

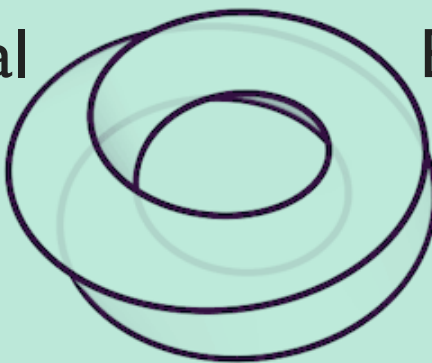
1%



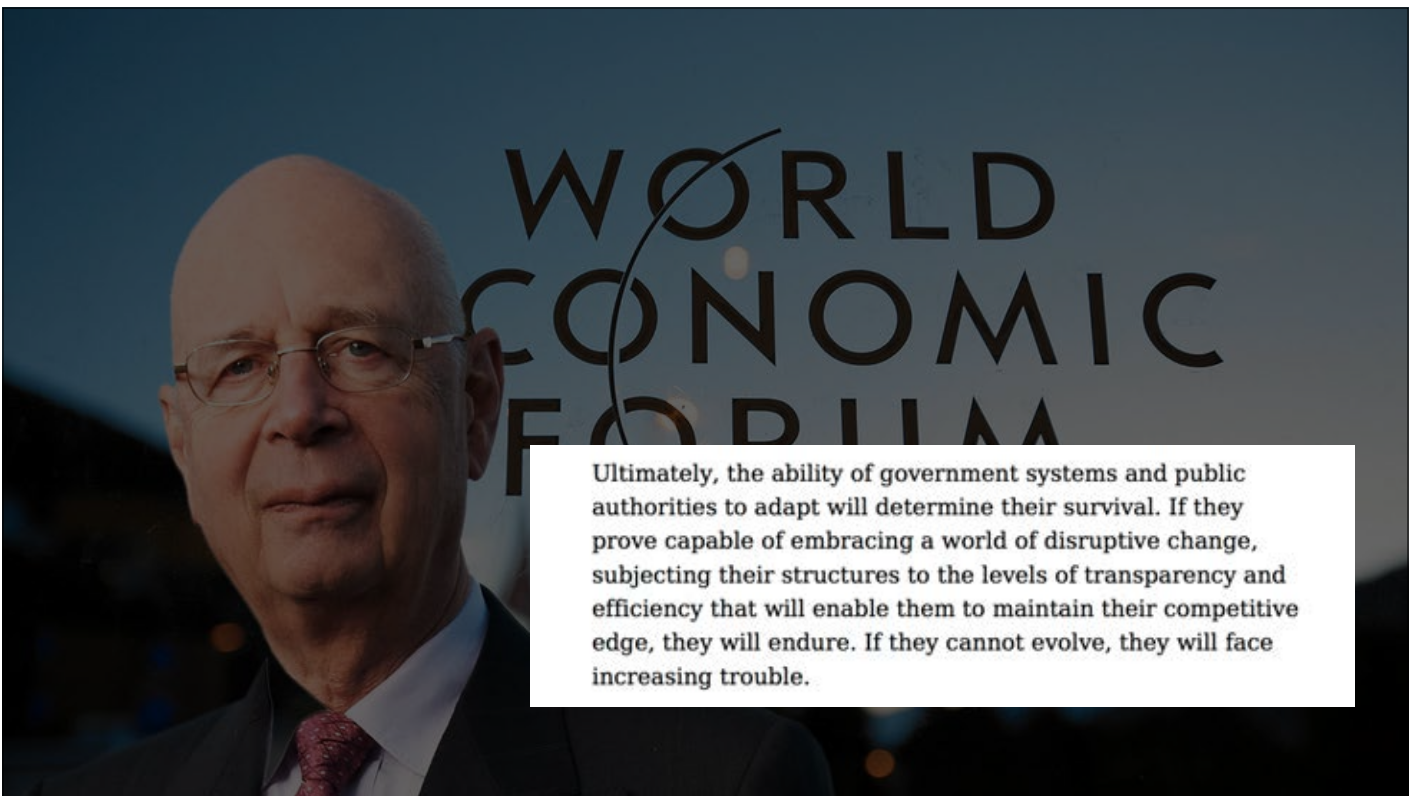
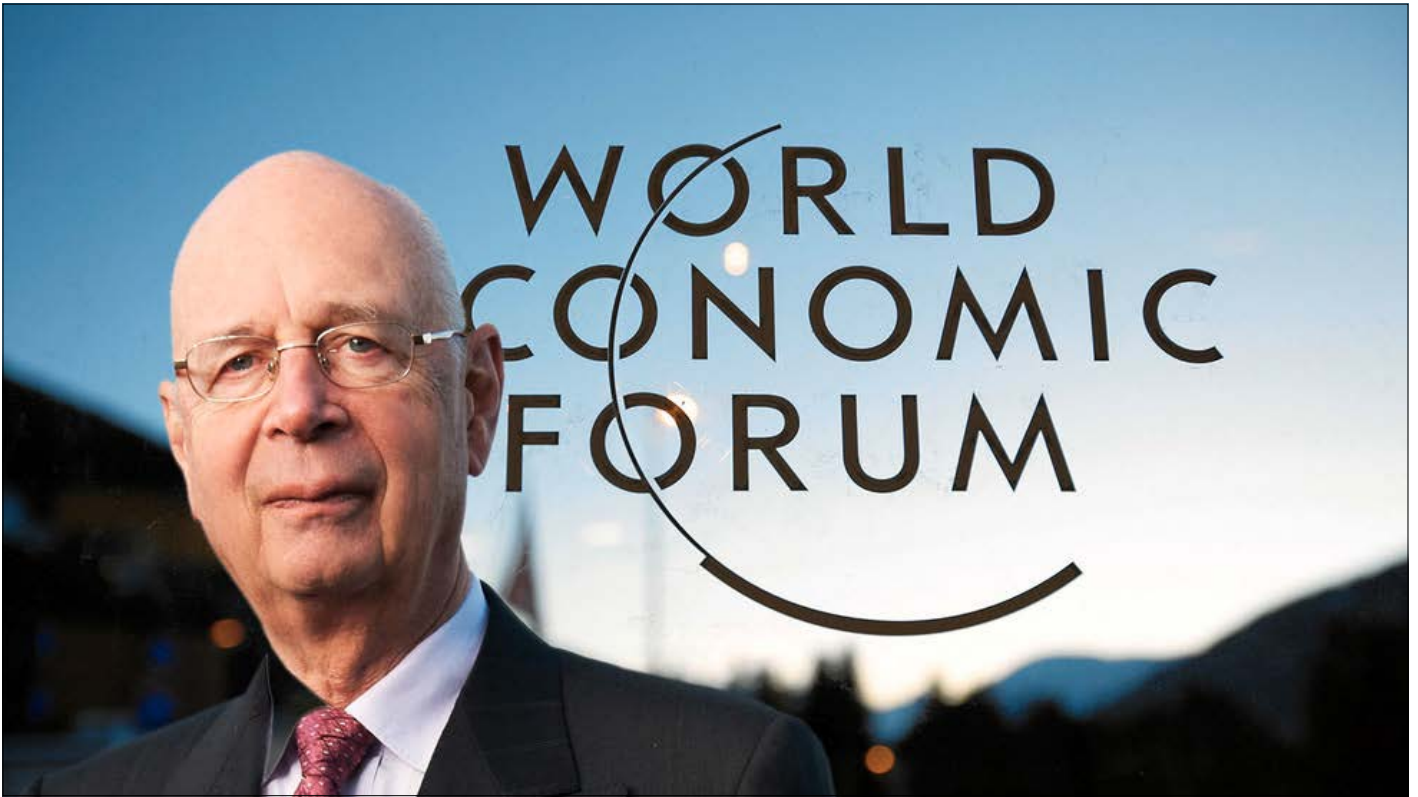
**DAY AFTER TOMORROW
TECHNOLOGY
SCENARIOS**

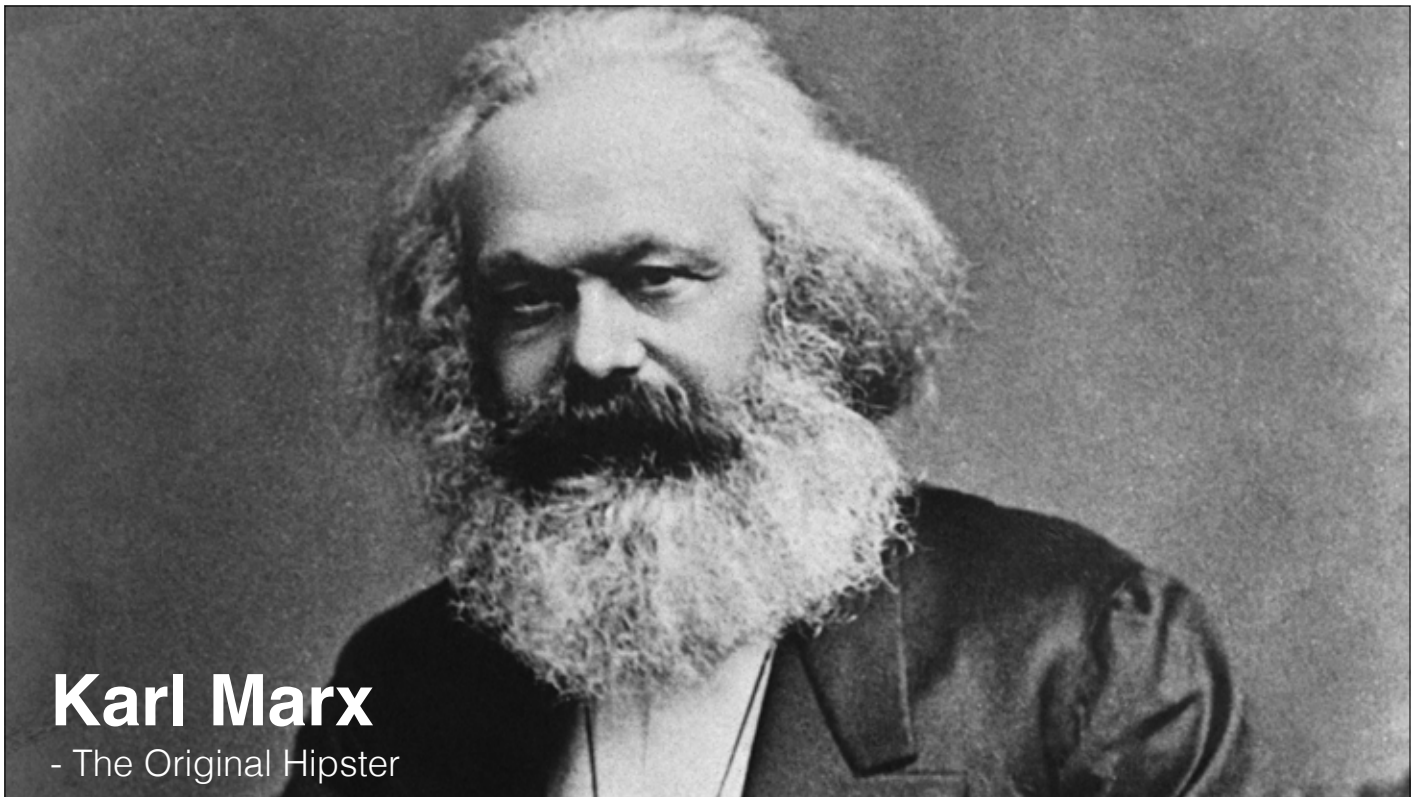
Societal

Economical



Technological





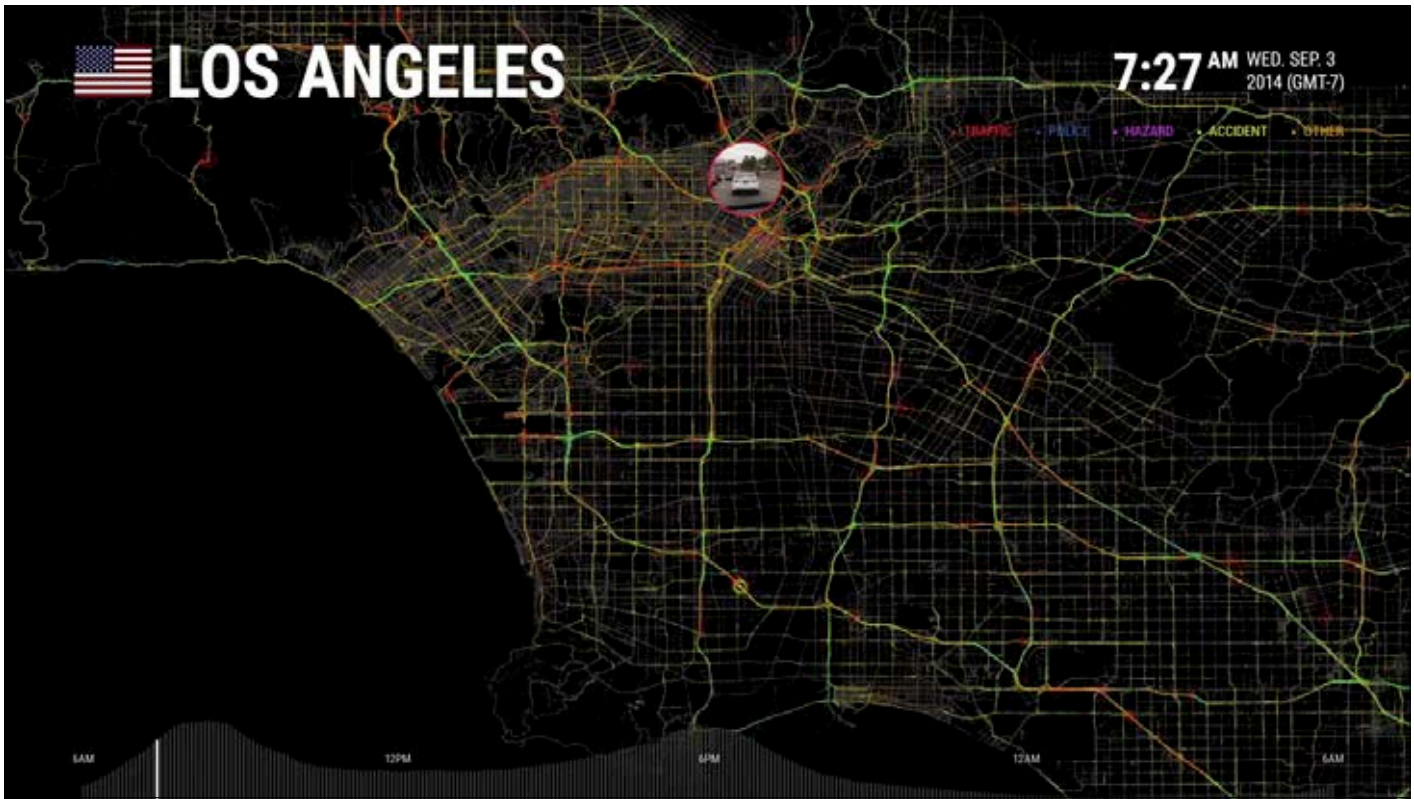
Karl Marx

- The Original Hipster

A 'general intellect', the mind of everybody on Earth connected by social knowledge, with information as the main productive force, could blow capitalism sky high.

Karl Marx

- The Fragment on Machines



Amazon
Opinion

It's not just Amazon coming for Whole Foods - Silicon Valley is eating the world

Arwa Mahdawi



The online retailer's \$14bn purchase of the organic grocer is its latest step towards global domination. Are we heading for a United States of Amazon?



< 291 186

Tuesday 20 June 2017 19:10 BST



New Scientist

End of nations: Is there an alternative to countries?

Nation states cause some of our biggest problems, from civil war to climate inaction. Science suggests there are better ways to run a planet



WIRED

The President in Conversation With MIT's Joi Ito and WIRED's Scott Dadich

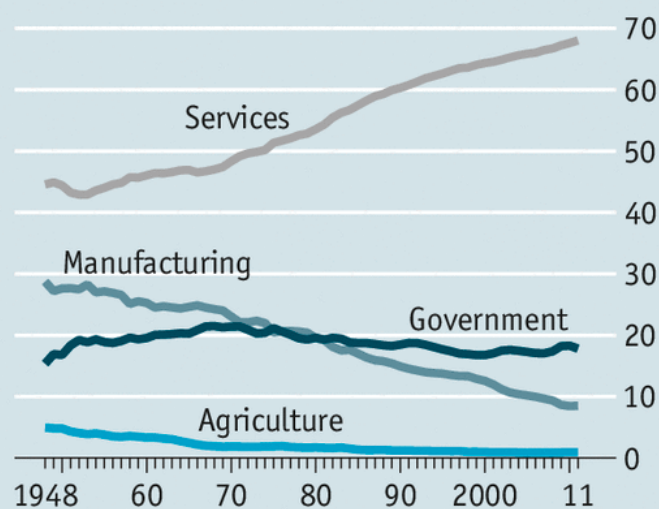


BARACK OBAMA, NEURAL NETS, SELF-DRIVING CARS, AND THE FUTURE OF THE WORLD

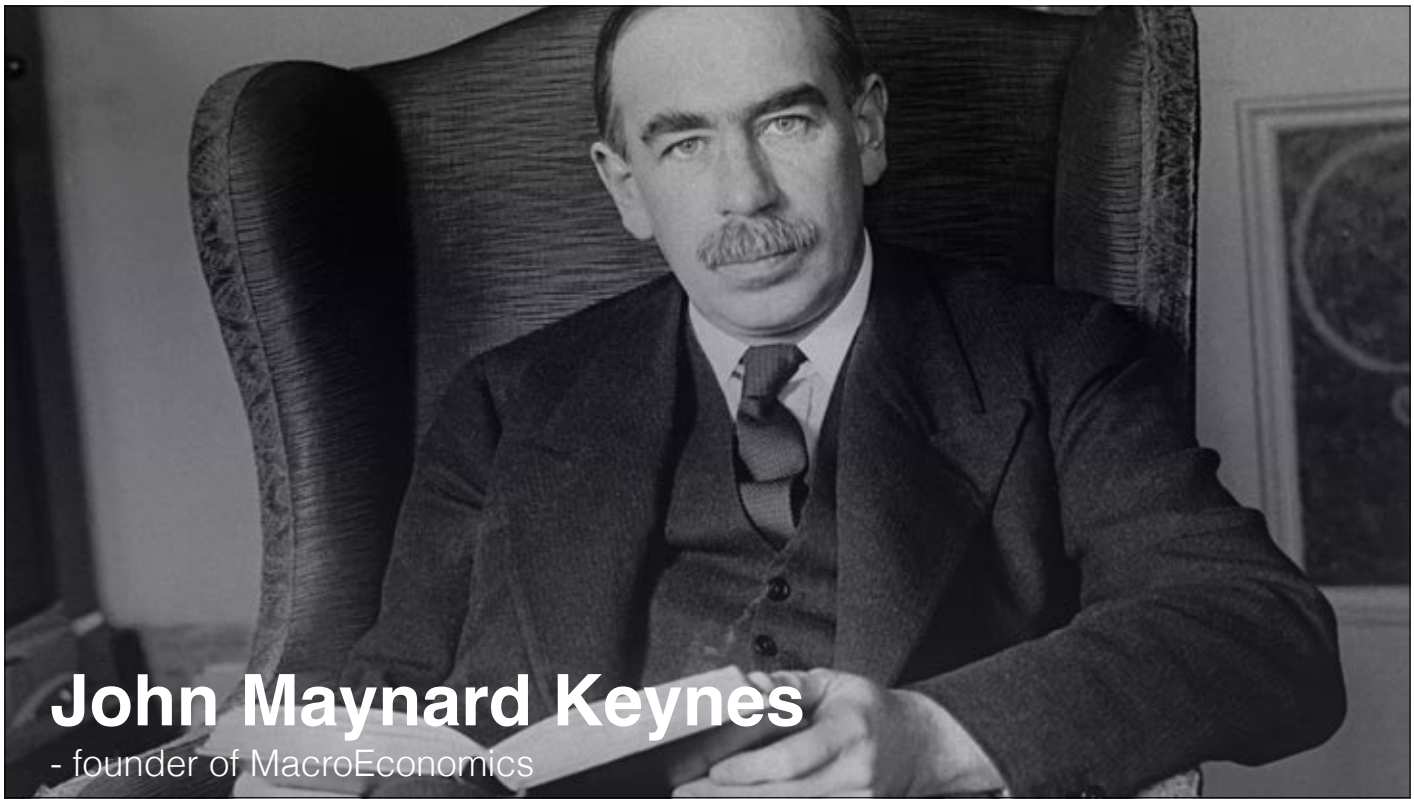
*Low-wage, low-skill individuals become more and more redundant, and their jobs may not be replaced, but wages are suppressed. And if we are going to successfully manage this transition, we are going to have a **societal conversation** about how we manage this.”*

Not what it was 2

US employment by sector, % of total employment



Source: US Bureau of Labour Statistics



John Maynard Keynes

- founder of MacroEconomics



The Economic Possibilities for Our Grandchildren

- 1930

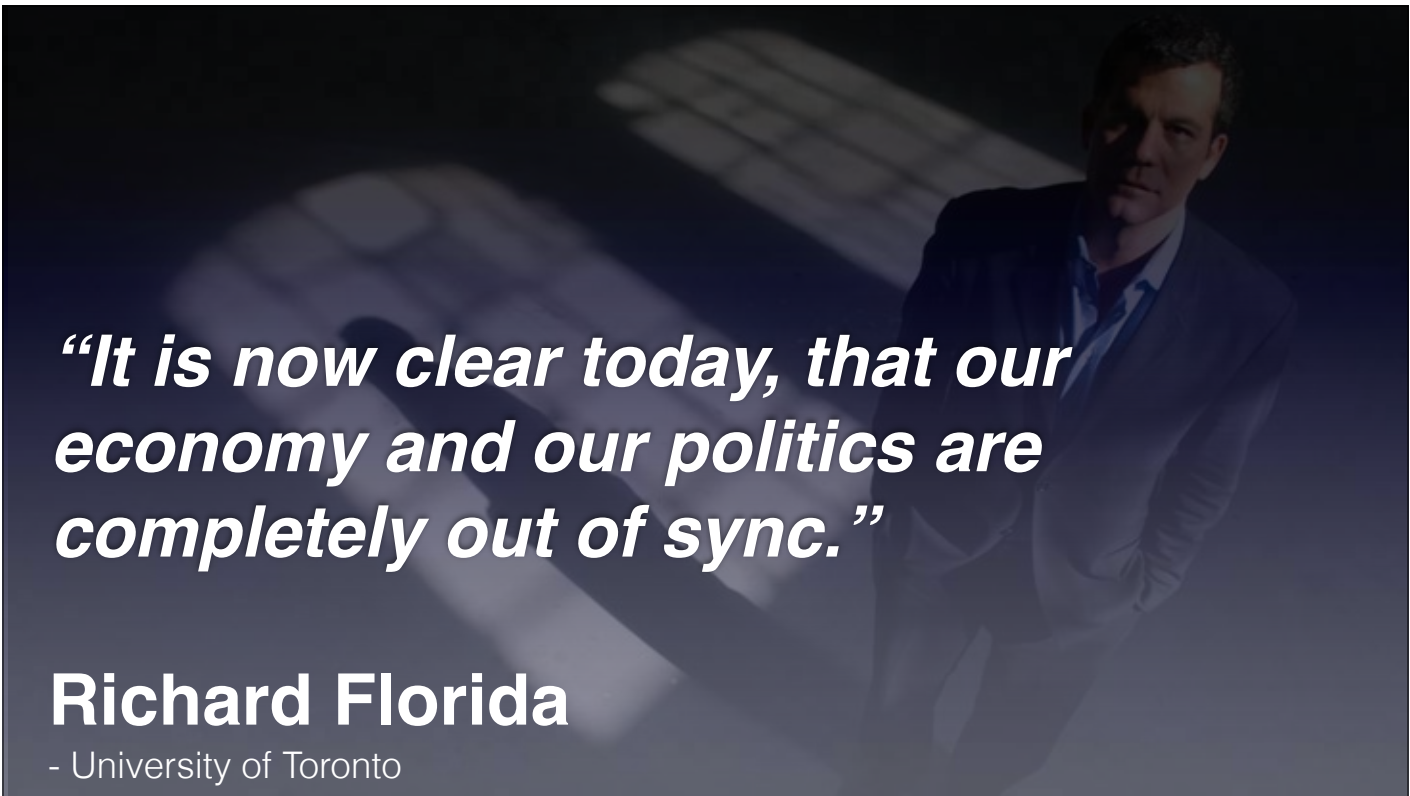
John Maynard Keynes

- founder of MacroEconomics



Richard Florida

- University of Toronto



“It is now clear today, that our economy and our politics are completely out of sync.”

Richard Florida

- University of Toronto











CARGO CULTS

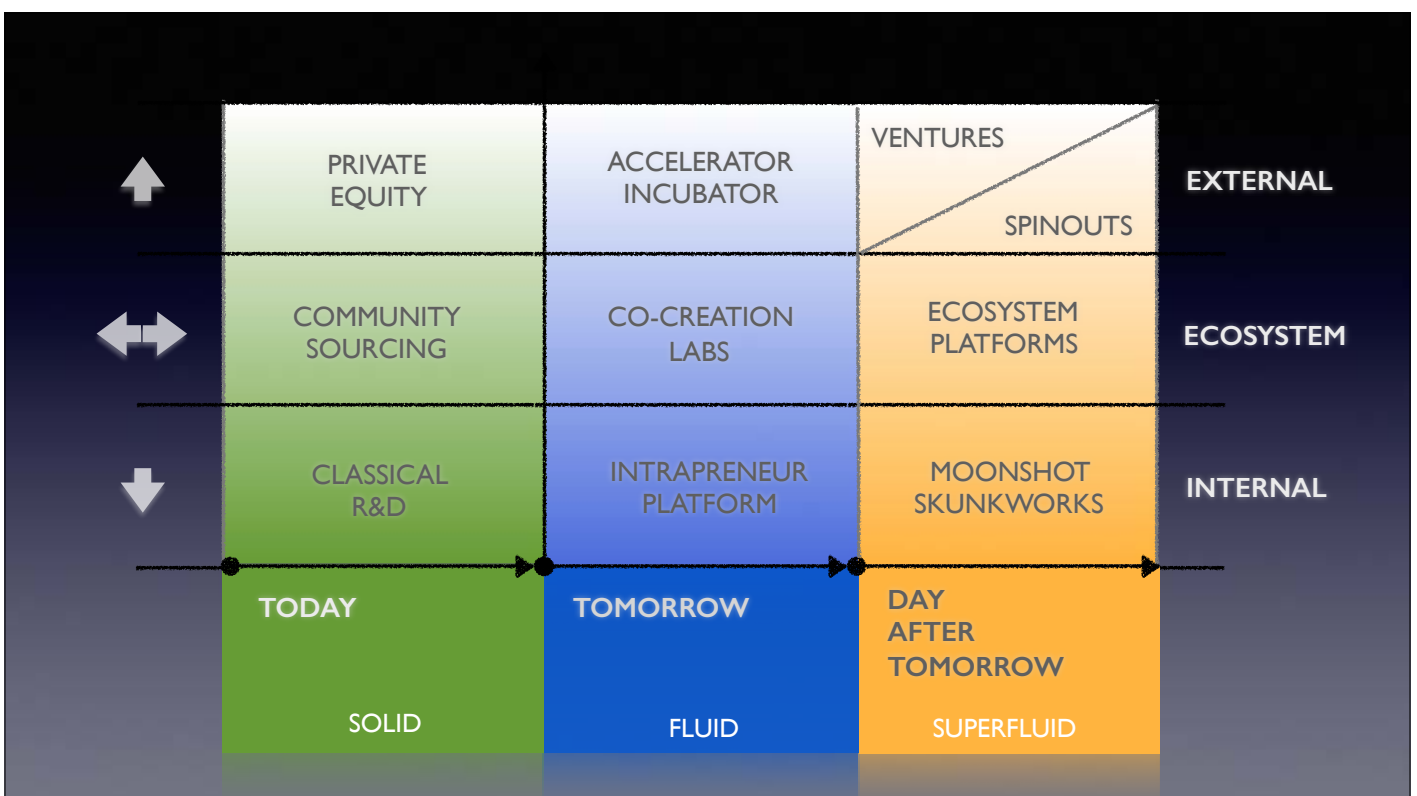
WHAT IF WE WOULD
CALCULATE BACKWARDS ?

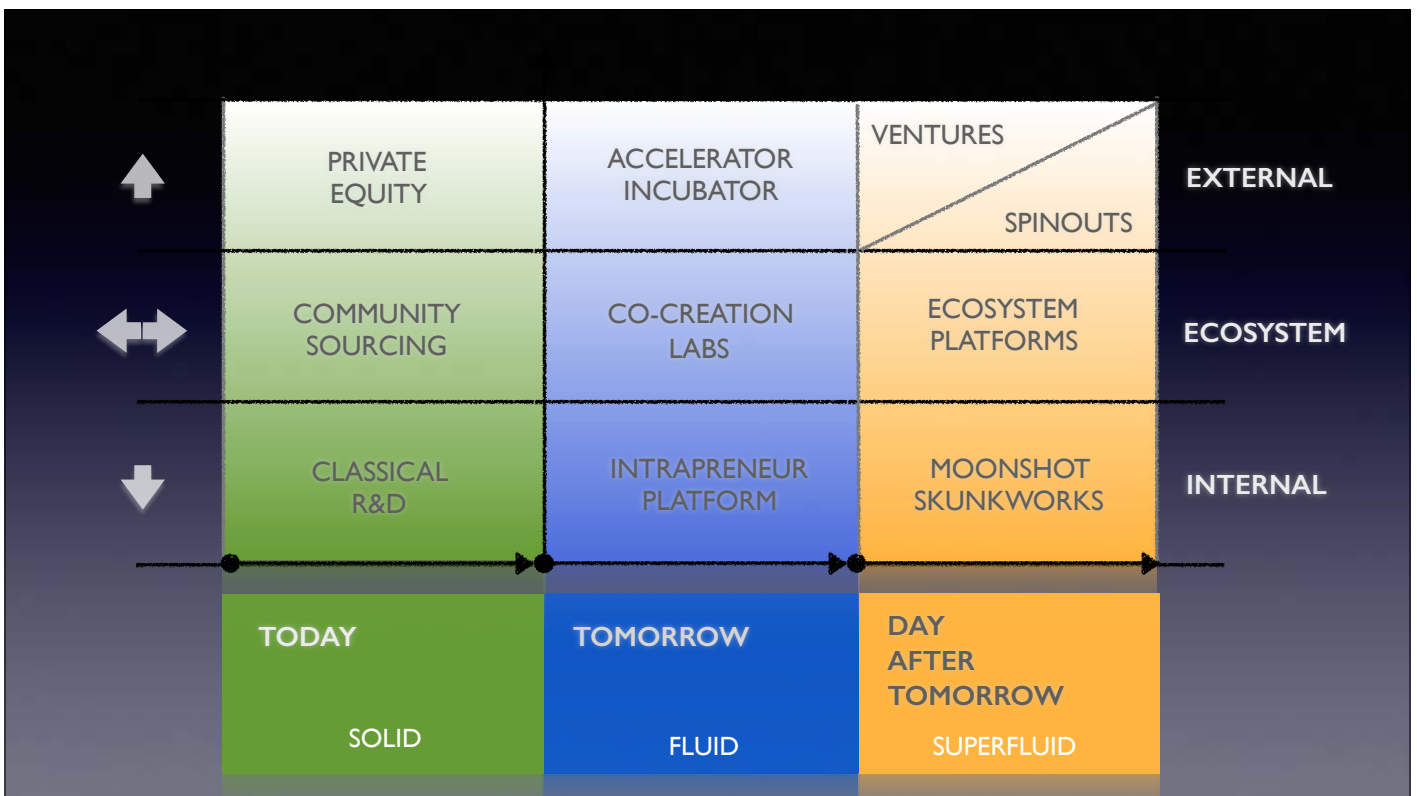
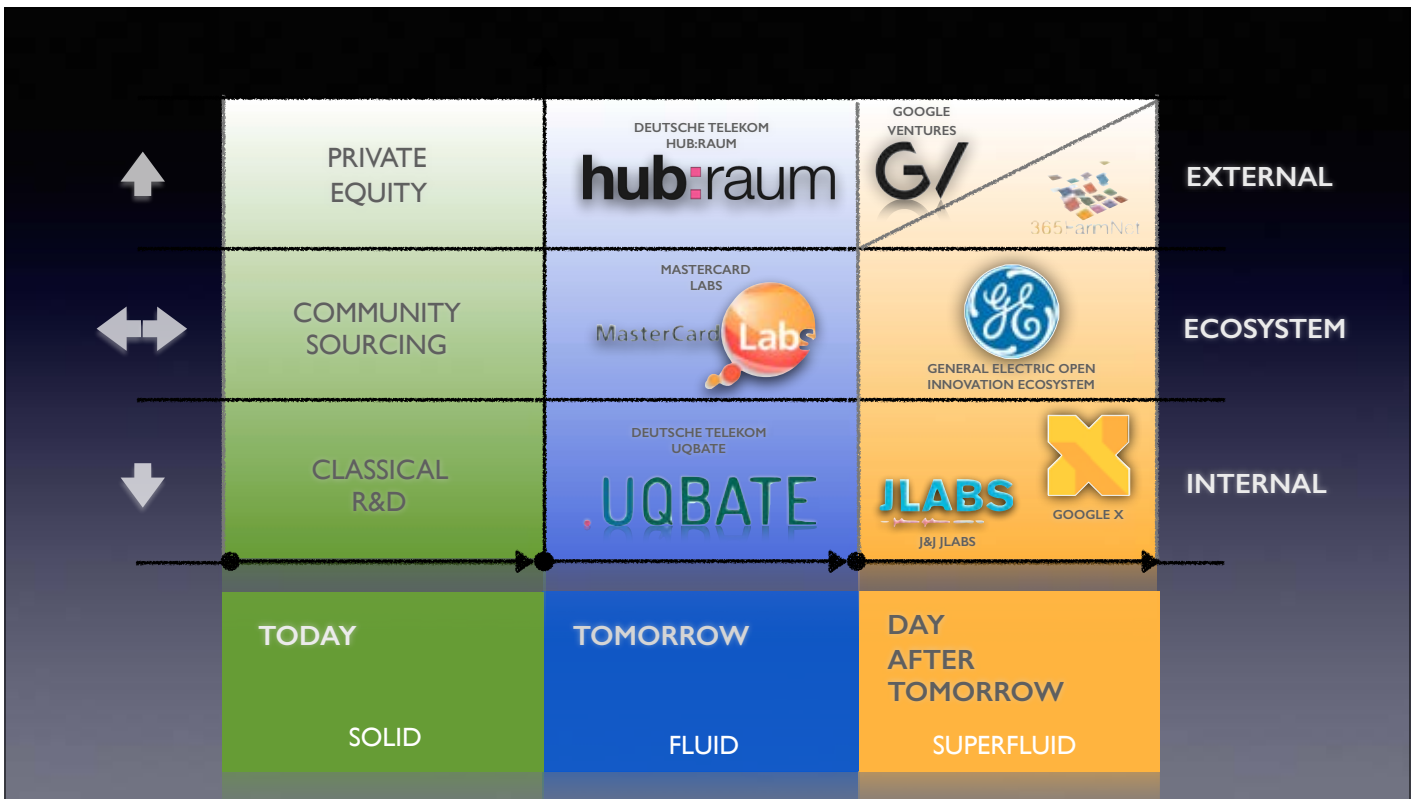
DAY
AFTER
TOMORROW

You
Can't get there
from here.

WHAT'S YOUR
DAY-AFTER-TOMORROW
STRATEGY ?

DAY
AFTER
TOMORROW





ENGAGE CUSTOMERS



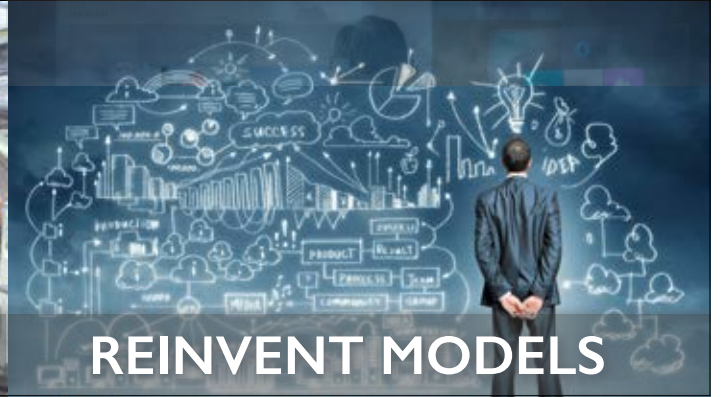
**EMPOWERING
YOUR
EMPLOYEES**
FOR A HAPPIER WORKPLACE



OPTIMISE OPERATIONS



REINVENT MODELS

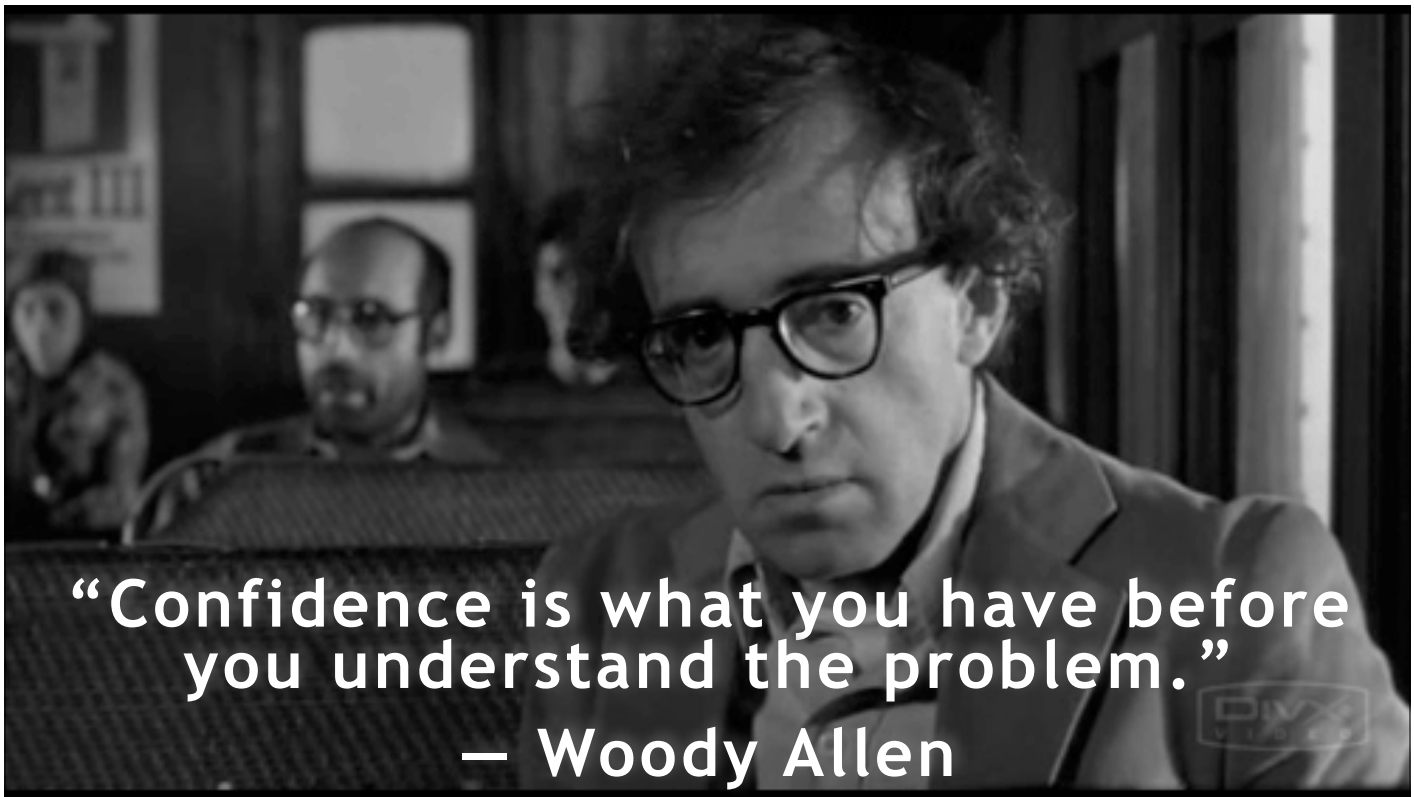




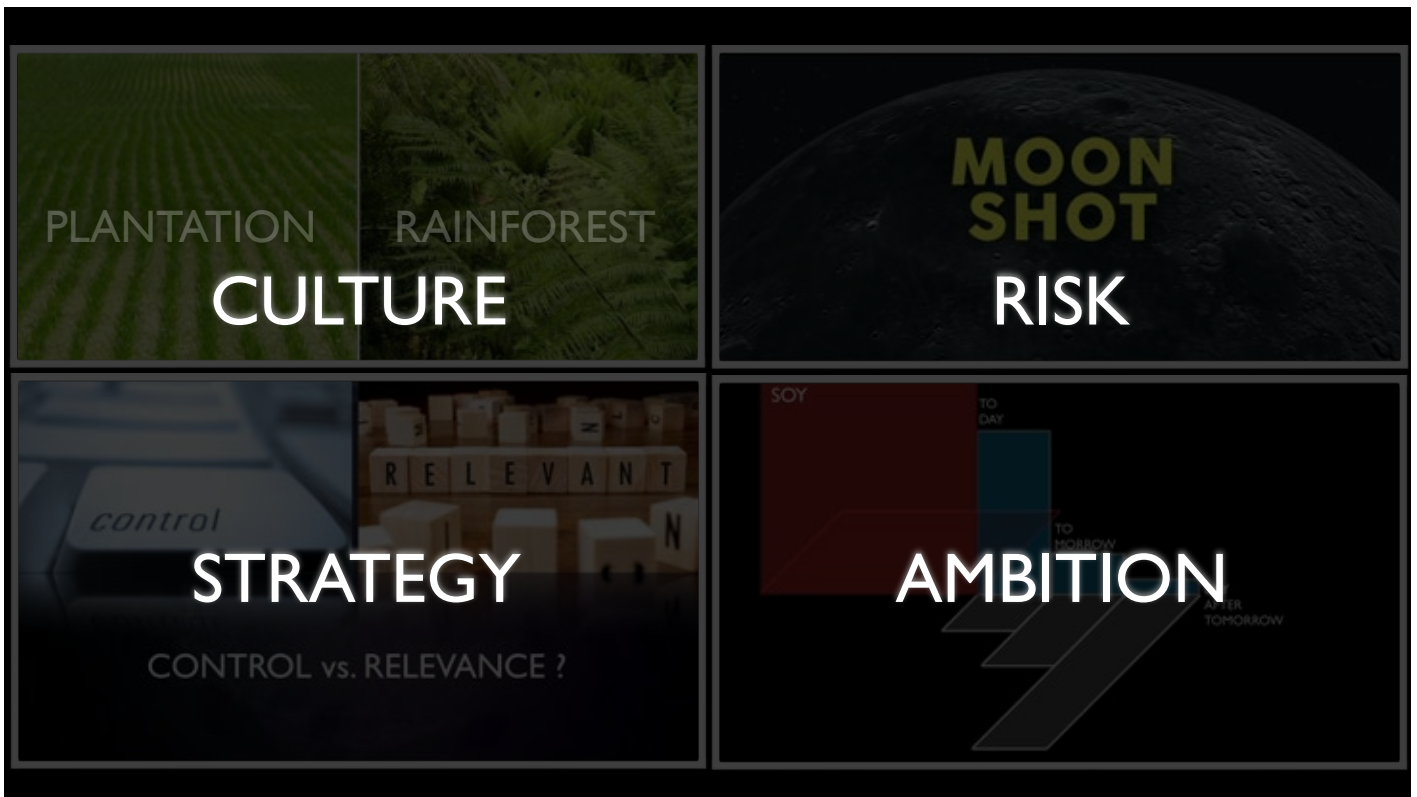
CONTROL vs. RELEVANCE ?







<p>PLANTATION</p>	<p>RAINFOREST</p>	<p>MOON SHOT</p>
<p>control</p>	<p>RELEVANT</p>	<p>SOY TO DAY TO MORROW DAY AFTER TOMORROW</p>
<p>CONTROL vs. RELEVANCE ?</p>		



“I never fail, I either
win or learn”
- Nelson Mandela





A portrait of Andre Geim, a man with dark hair and a light beard, wearing a white shirt and a dark tie. He is looking slightly to the right of the camera. Behind him is a whiteboard covered in hand-drawn diagrams and sketches in red and green ink. The diagrams include a circular structure with radial lines, a rectangular structure with internal lines, and various other geometric shapes and lines.

Andre Geim

- Nobel Prize Physics 2010

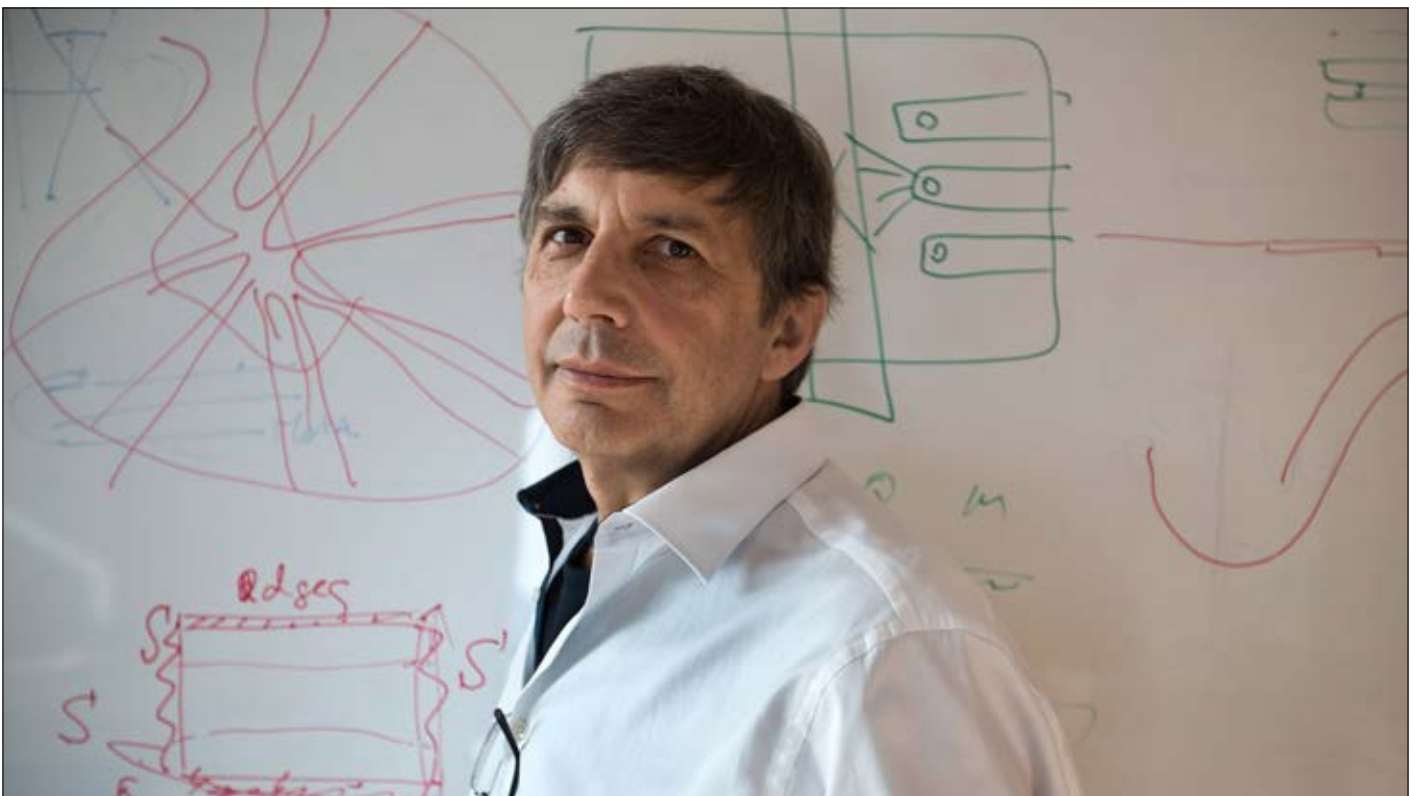
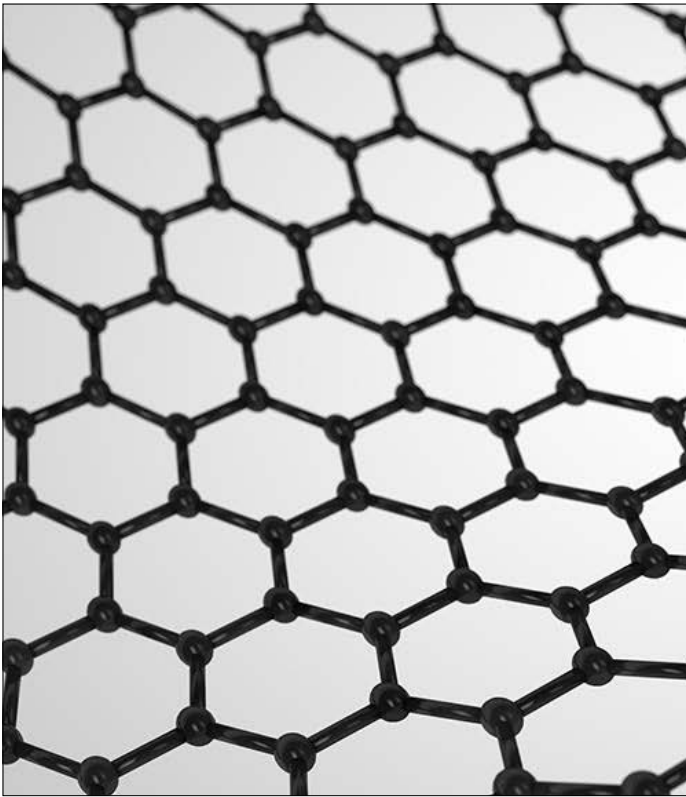


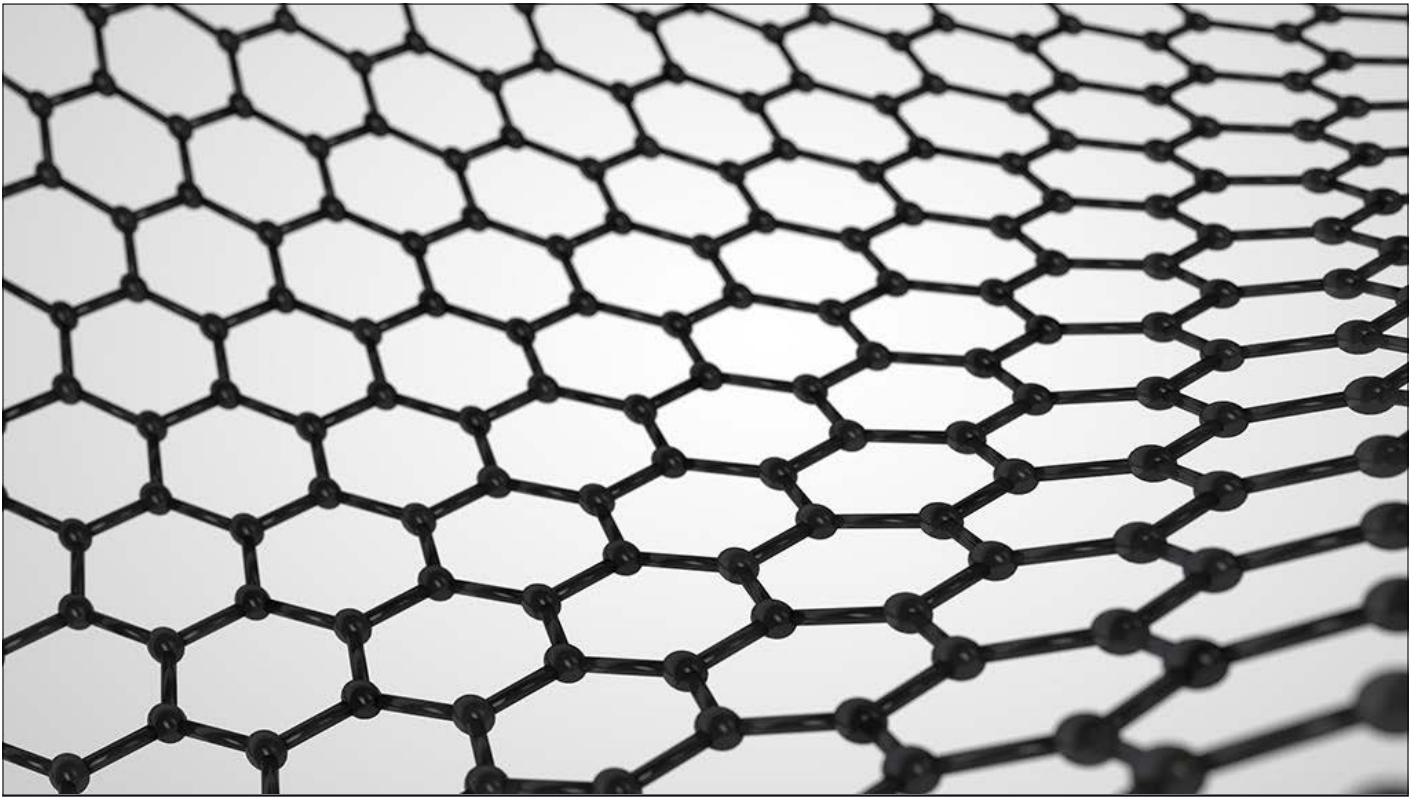
A portrait of Andre Geim, a man with dark hair and a light beard, wearing a white shirt and a dark tie. He is looking slightly to the right of the camera. Behind him is a whiteboard covered in hand-drawn diagrams and sketches in red and green ink. The diagrams include a circular structure with radial lines, a rectangular structure with internal lines, and various other geometric shapes and lines.

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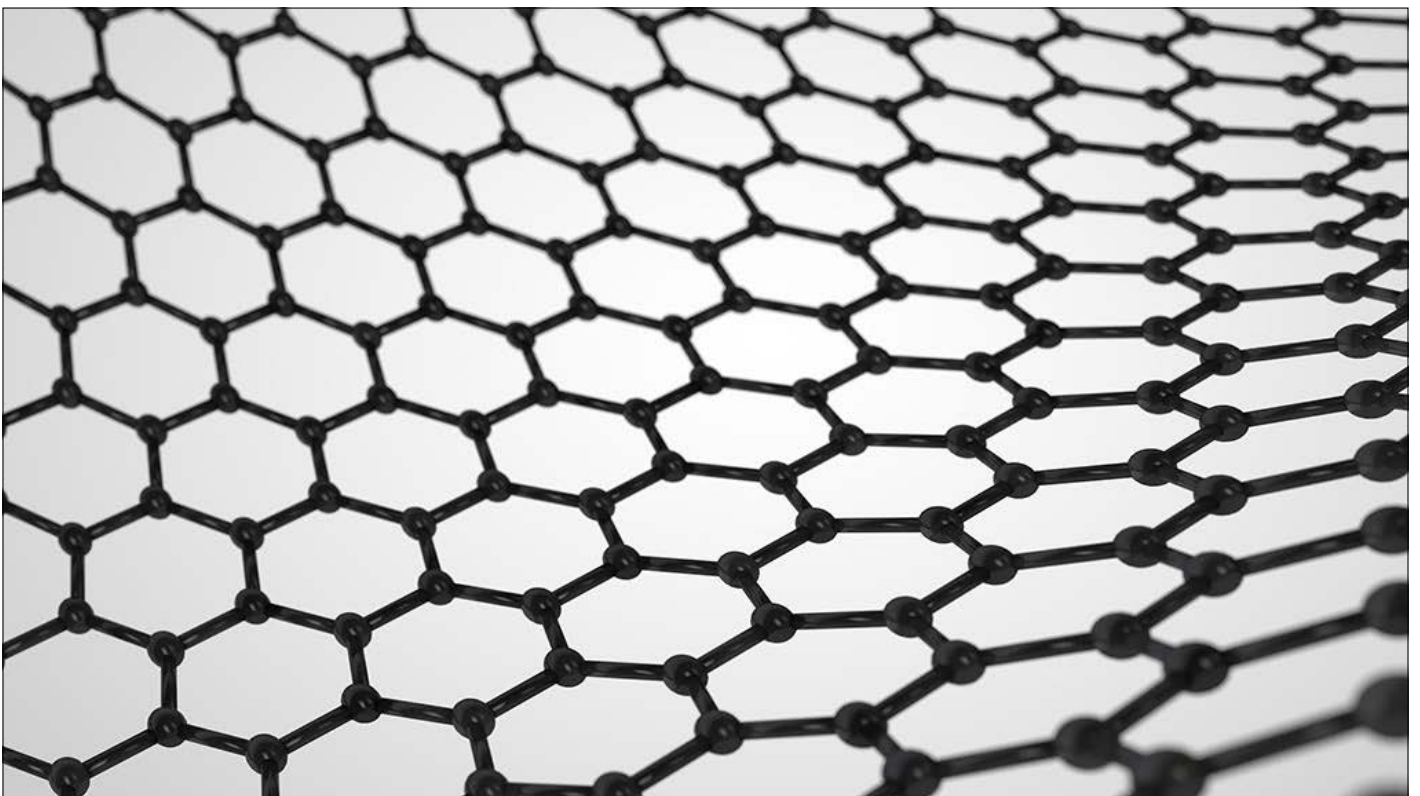
“It is better to be wrong than be boring.”

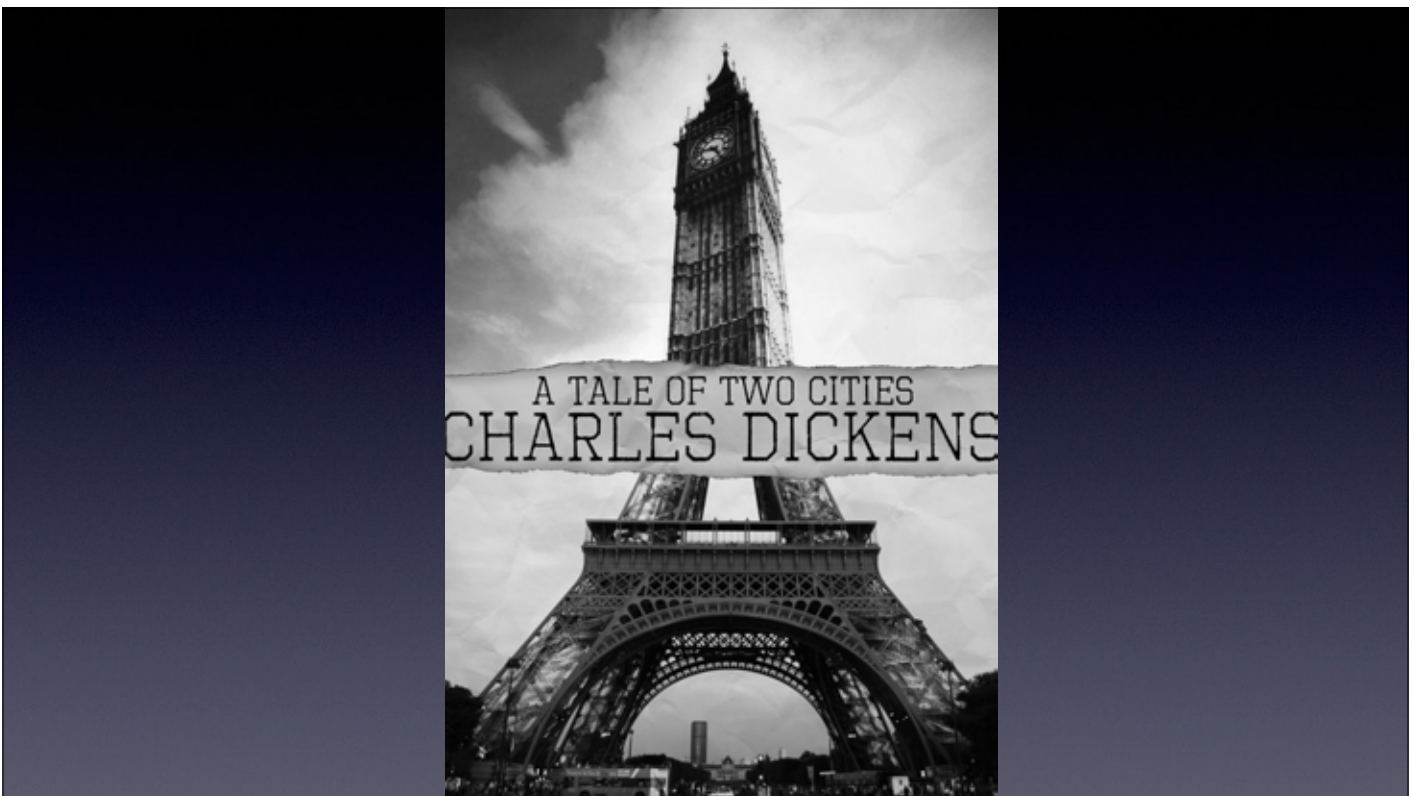






A live frog levitates inside the vertical bore of a Bitter solenoid in a magnetic field







IT WAS THE BEST OF TIMES,
IT WAS THE WORST OF TIMES.

IT WAS THE AGE OF WISDOM,
IT WAS THE AGE OF FOOLISHNESS.

IT WAS THE EPOCH OF BELIEF,
IT WAS THE SEASON OF LIGHT.

IT WAS THE SPRING OF HOPE,
IT WAS THE WINTER OF DESPAIR...



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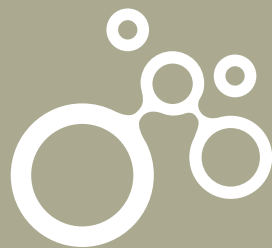
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RADICAL INNOVATION FOR THE AGE OF DISRUPTION

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