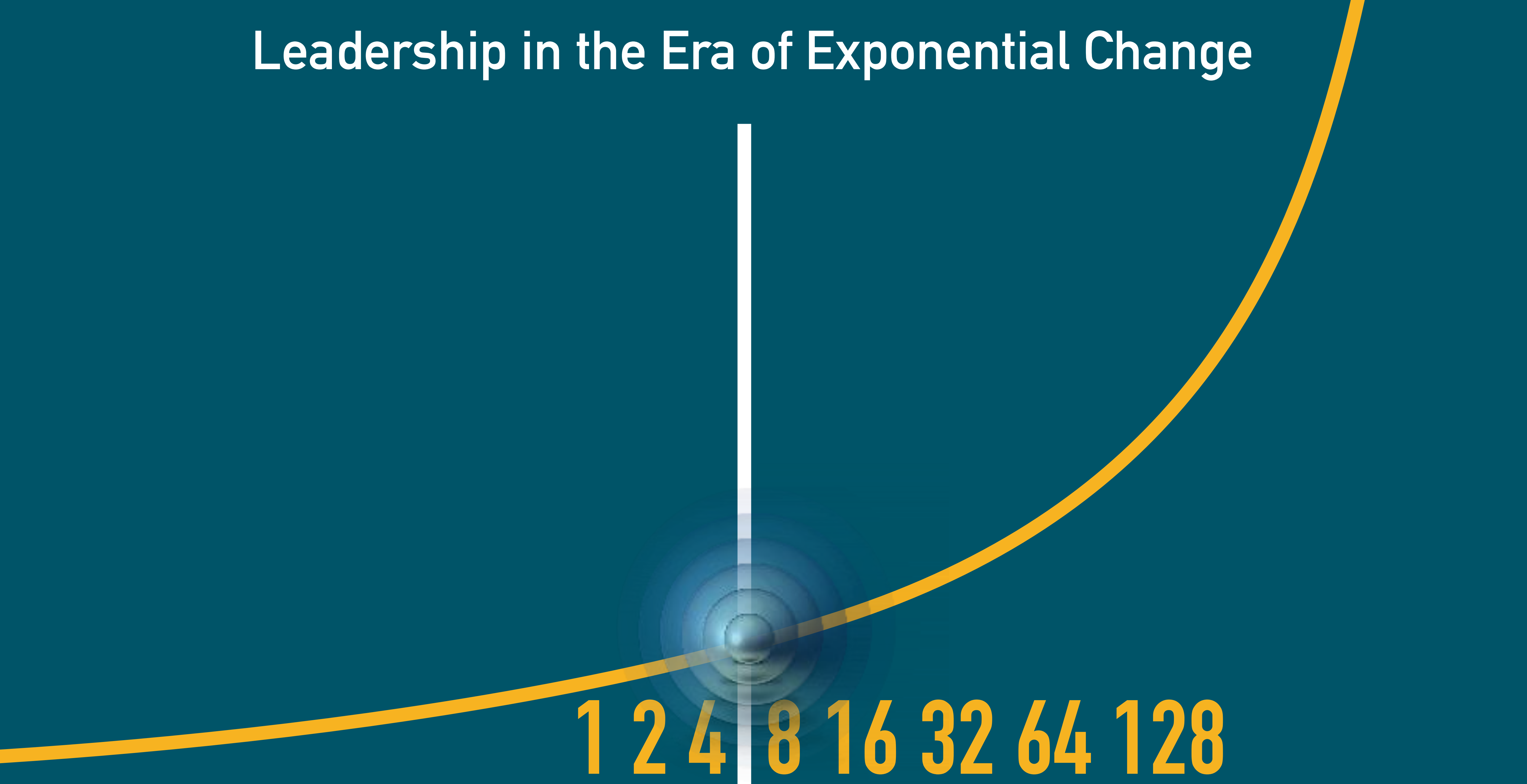

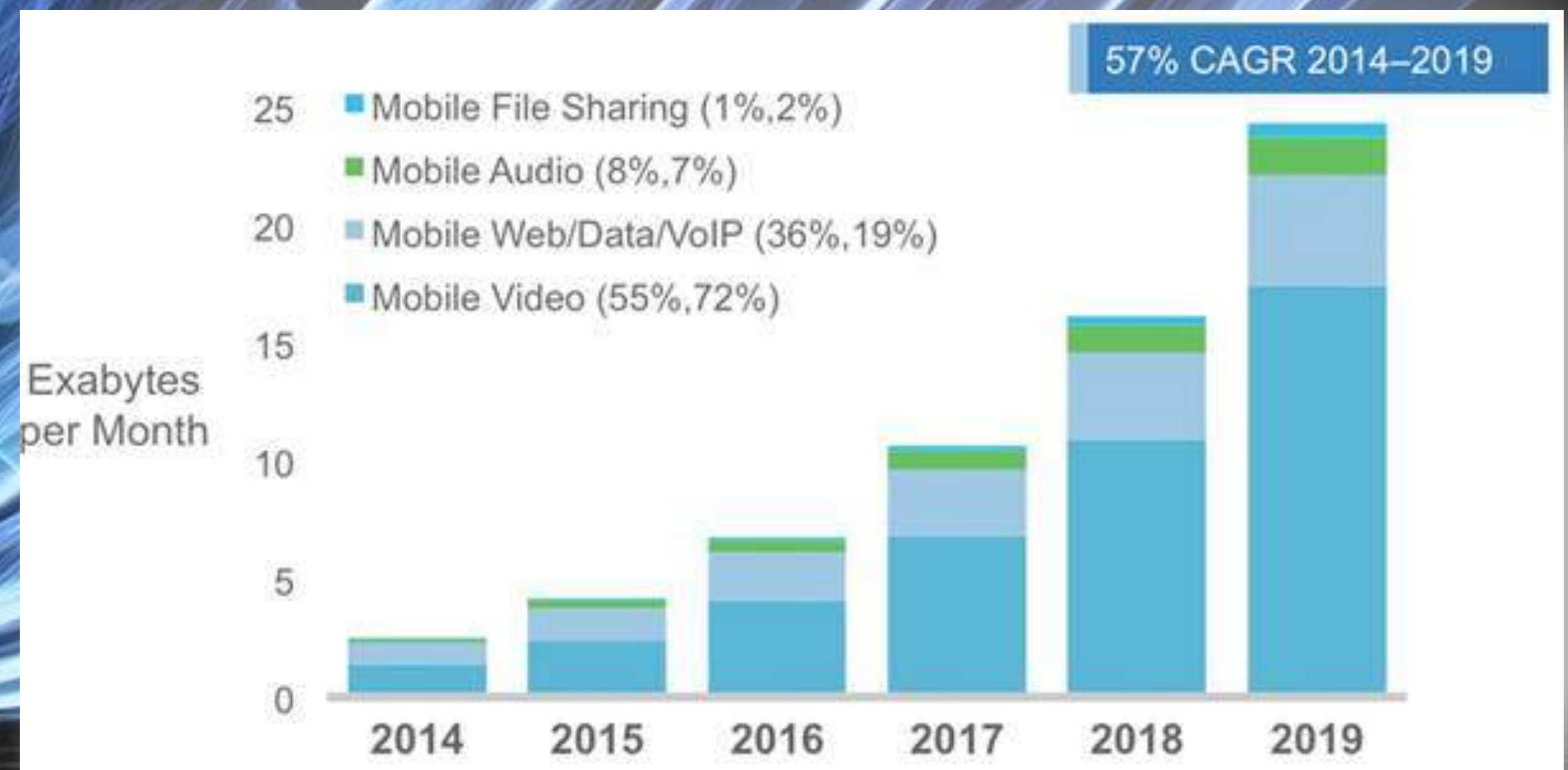
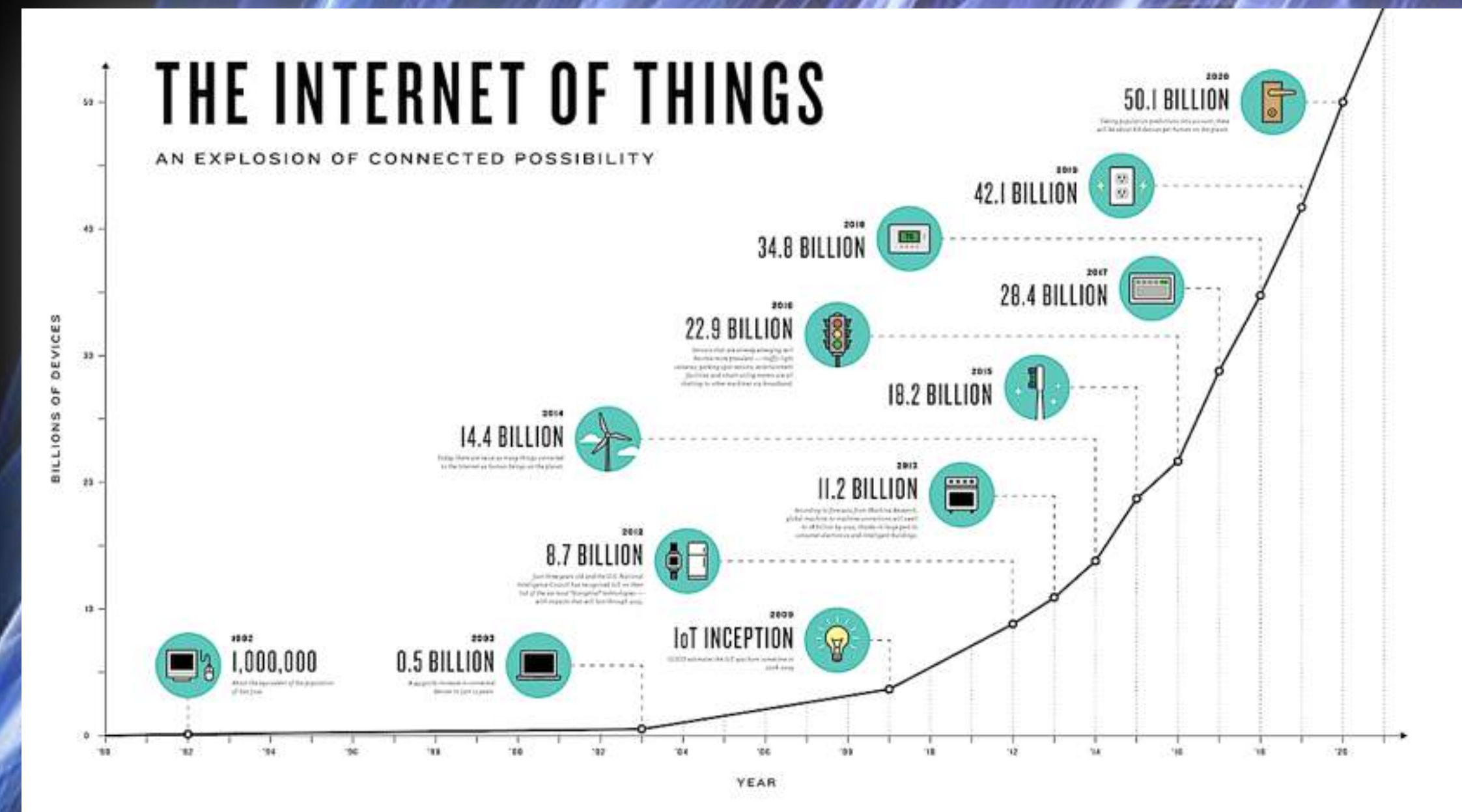
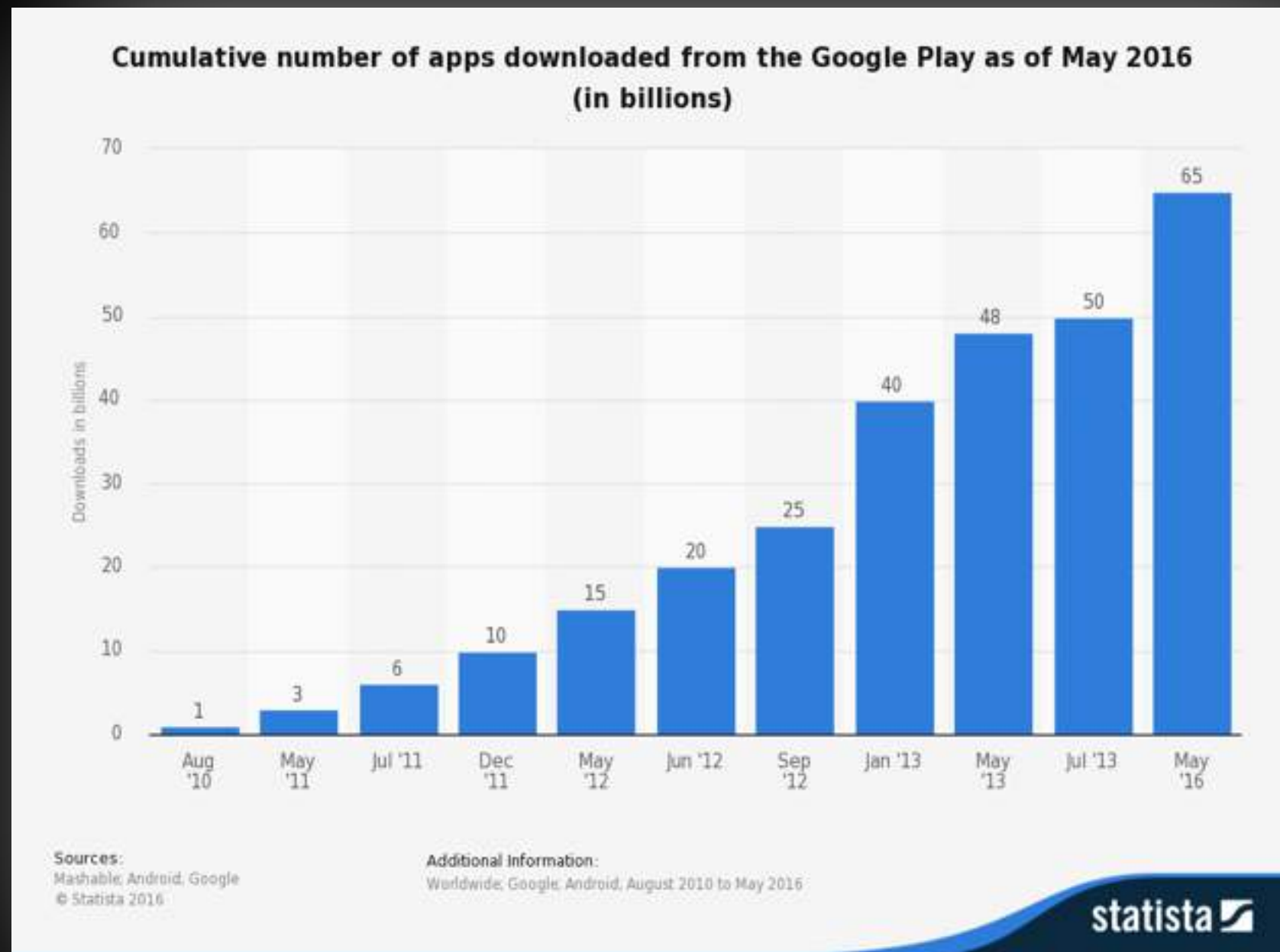


Leadership in the Era of Exponential Change



A close-up photograph of Bill Gates speaking at a microphone. He is wearing glasses and a dark suit. A white speech bubble overlay contains a quote. The background is a solid blue color.

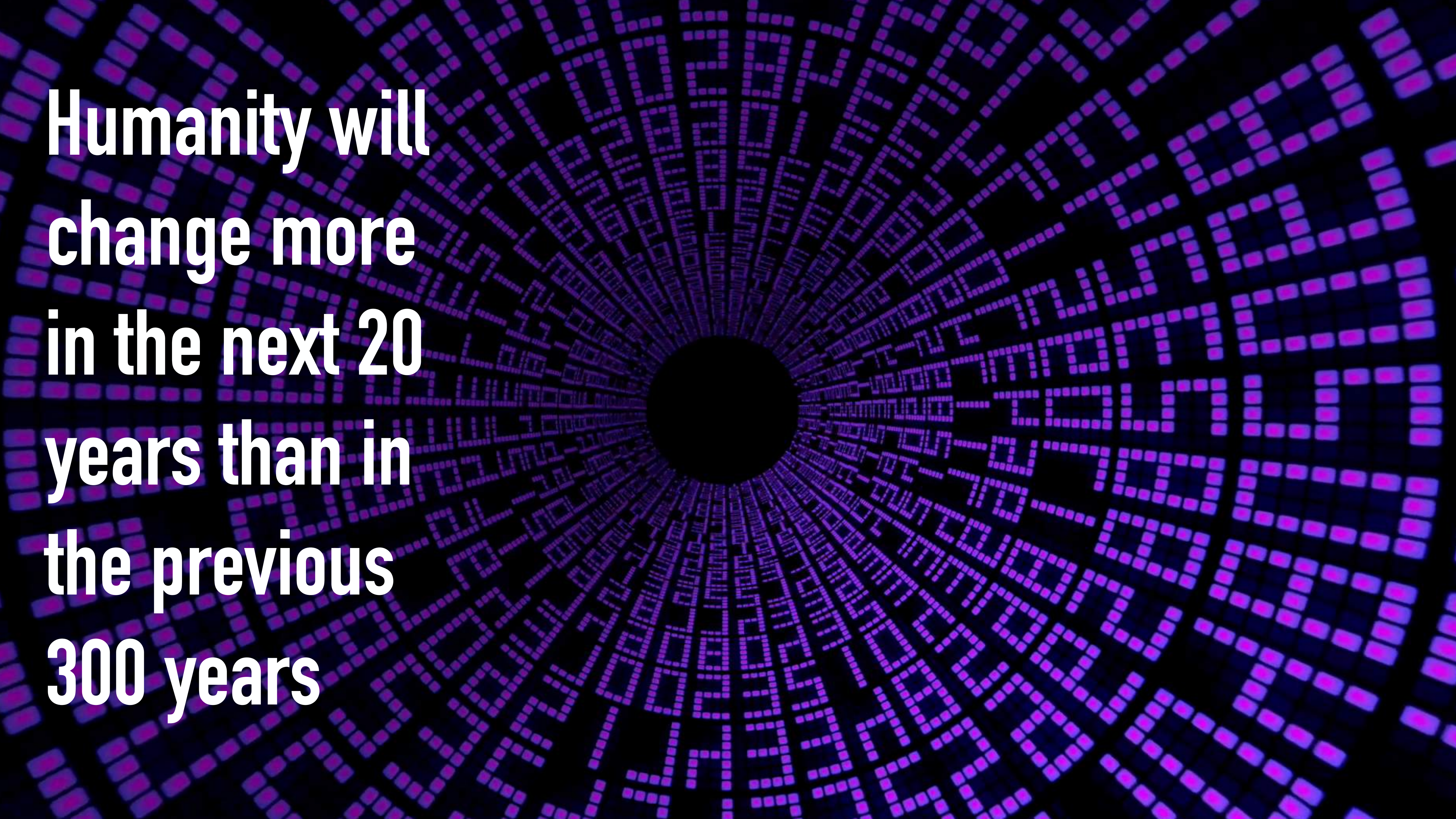
“We always overestimate the change that will occur in the next two years and underestimate the change that will occur in the next ten.”





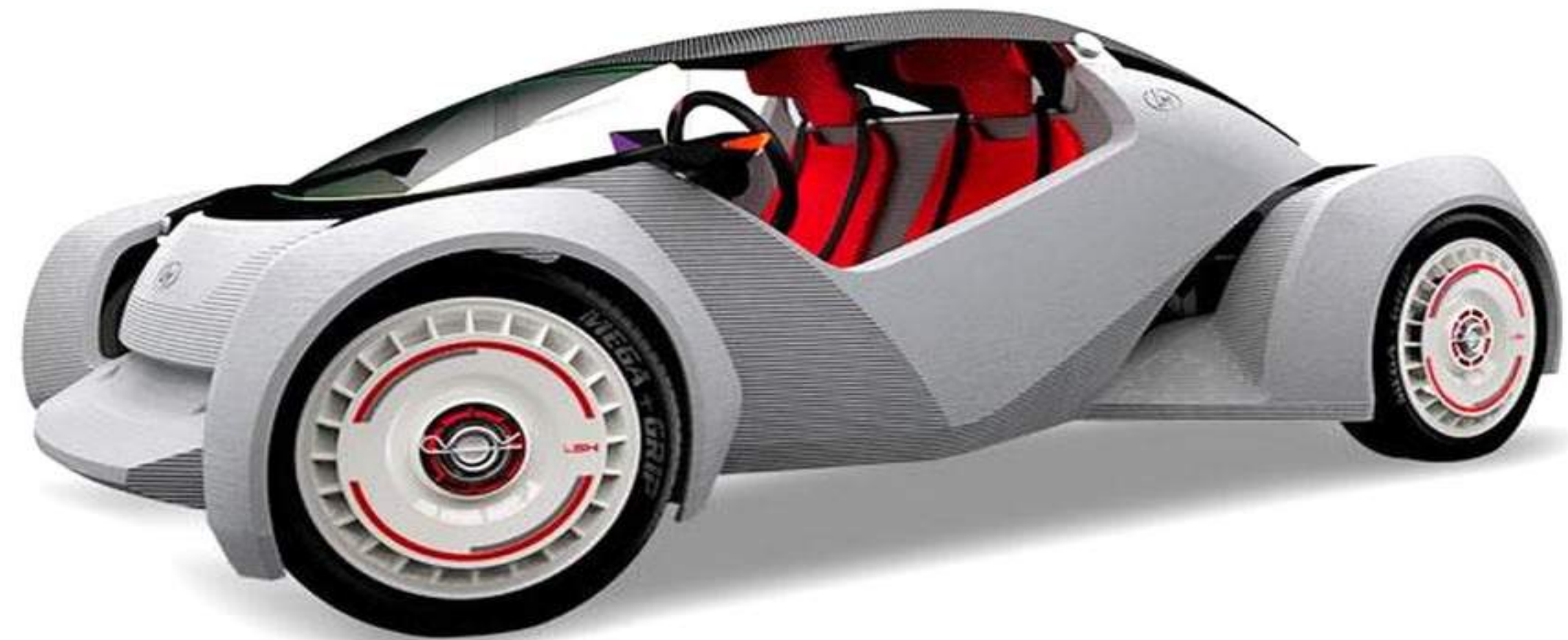
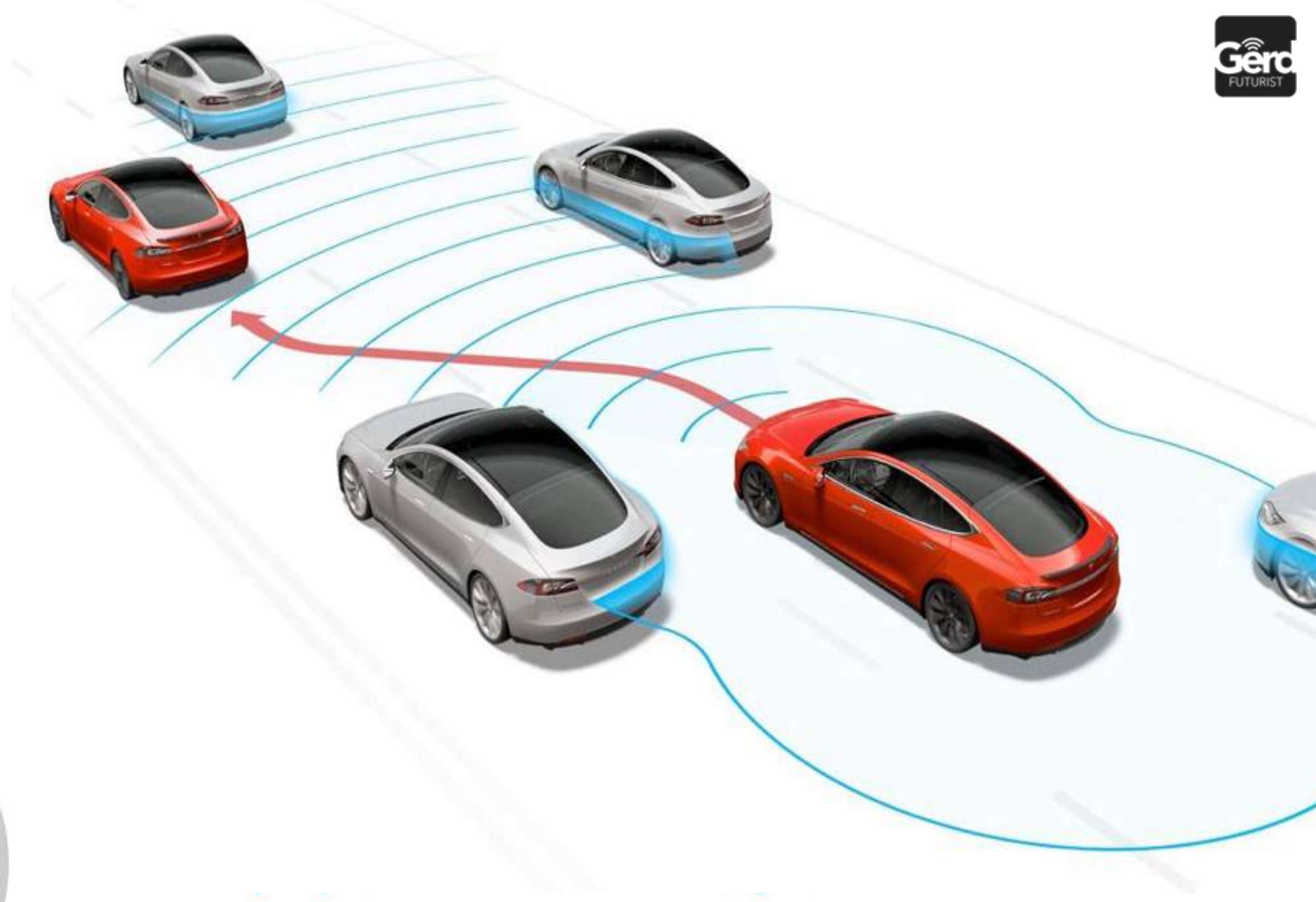




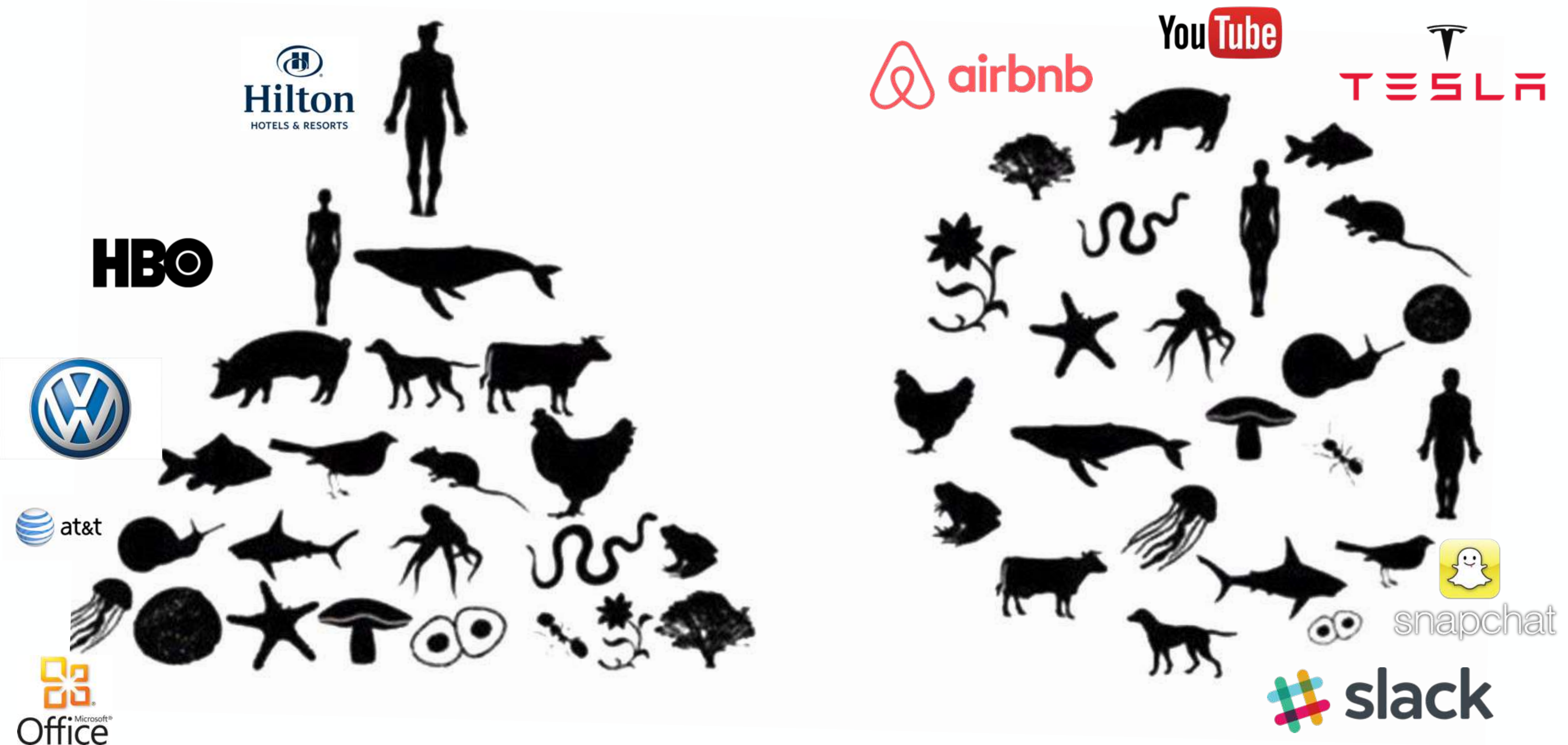


**Humanity will
change more
in the next 20
years than in
the previous
300 years**

Most change now happens
“gradually then suddenly”



From Egosystems to Ecosystems and Platforms



THE PLATFORM ECONOMY IS UNBALANCED

North America



Asia



Europe



Africa & Latin America



North America has the most \$1B+ platform firms, as measured by market cap. China, with a large homogeneous market, is growing fast. Europe, with a more fragmented market, has less than ¼ the value of North America

Why designers and engineers use 3D Hubs for rapid prototyping

01 Fast

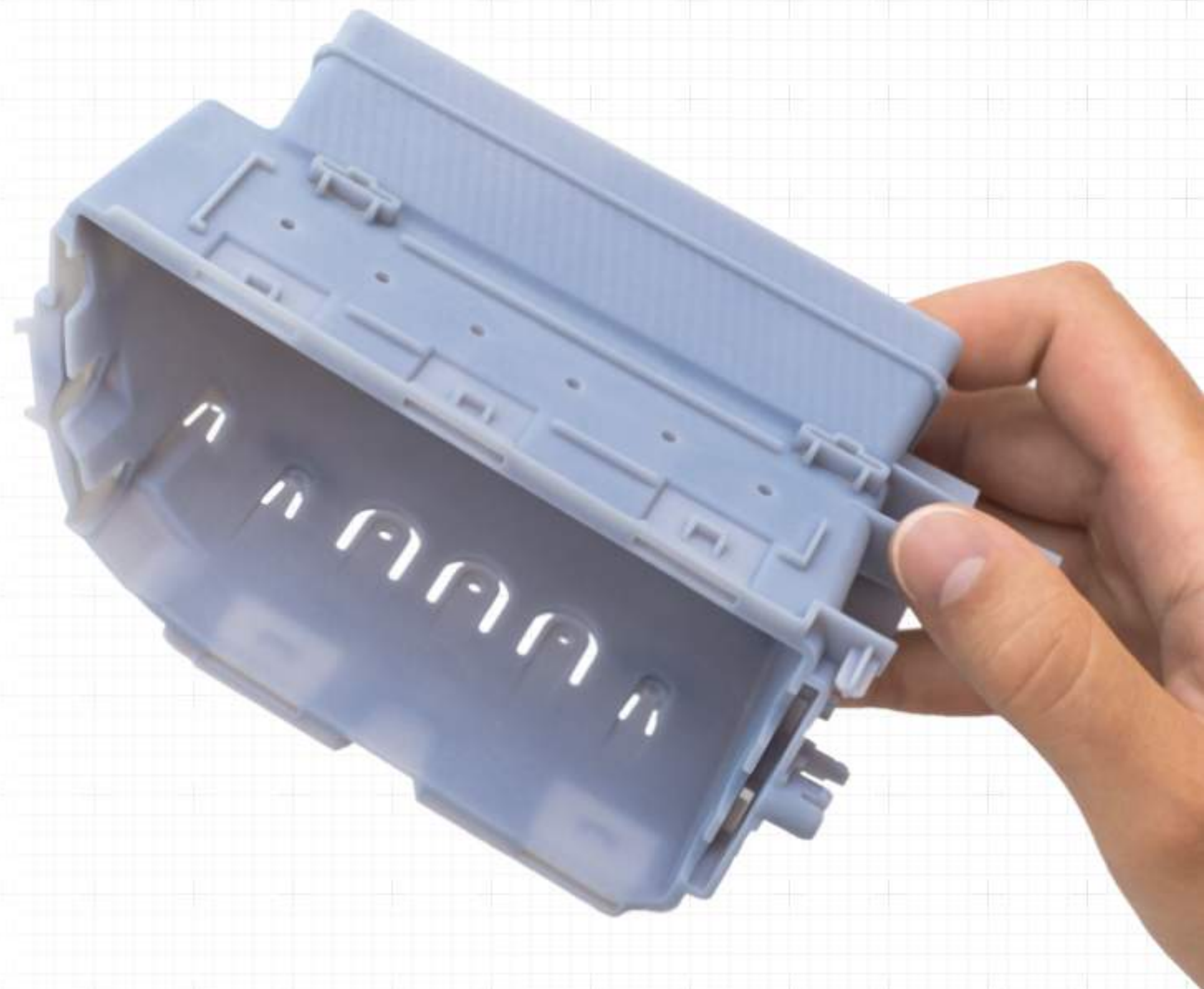
Save time by 3D printing locally. Half of all orders are delivered within 24h.

02 Instant quotes

Upload your files to get free instant quotes. Select a 3D printing service, choose a material and place your order within minutes.

03 Expertise

Discuss your project directly with the 3D printer operator and be sure to get your parts according to your specs.





WHAT WE DO

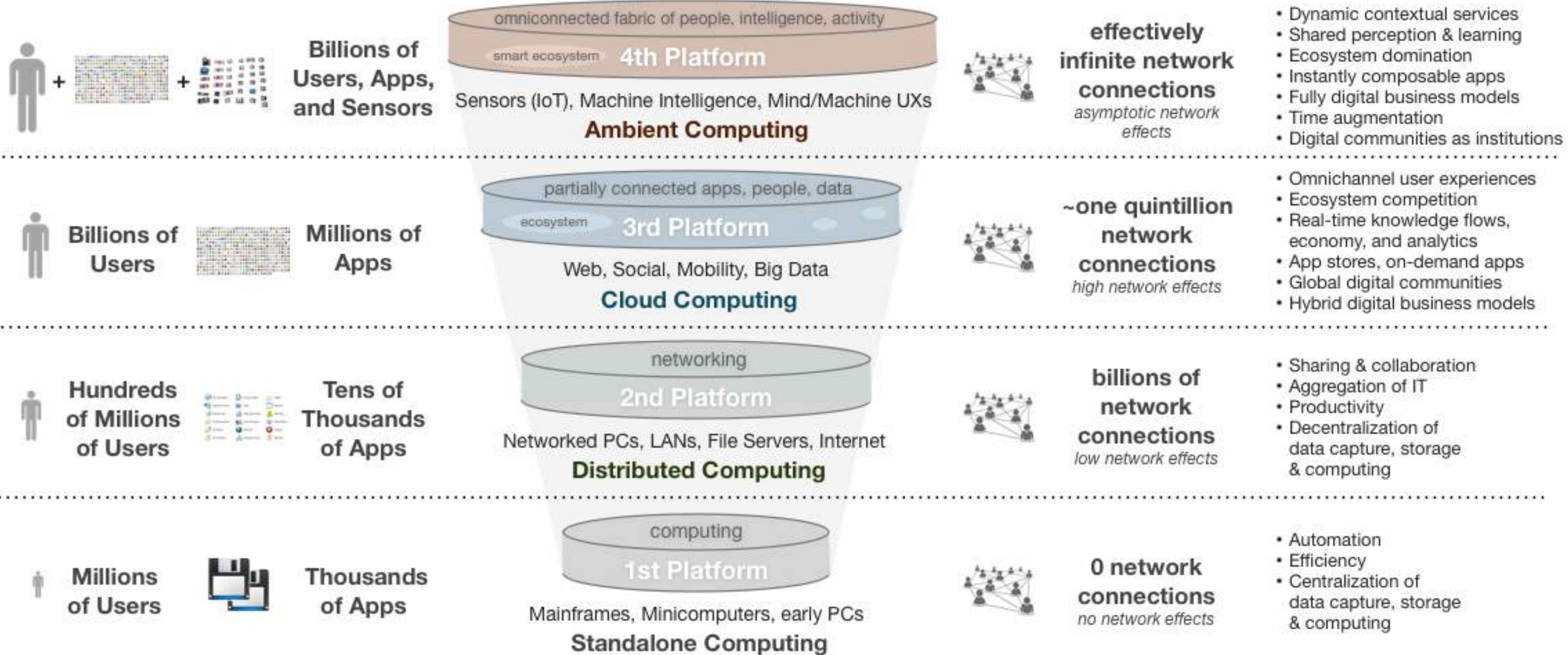


We are a global community of more than 2000 people over 40 countries building a global Internet of Things data network.

We use a long range and low power radio frequency protocol called LoRaWAN and for short range Bluetooth 4.2.

The technology allows for things to talk to the internet without 3G or WiFi. So no WiFi codes and no mobile subscriptions.

The Rise of the 4th Platform: A Fabric of Community, Data, Devices, & Intelligence





BIO HACK ATHON

June 21-26th 2016

A once in a lifetime opportunity to spend a week at the University of Cambridge learning and creating with synthetic biology. Make friends, learn new skills, change the world.

May 30th APPLICATION DEADLINE

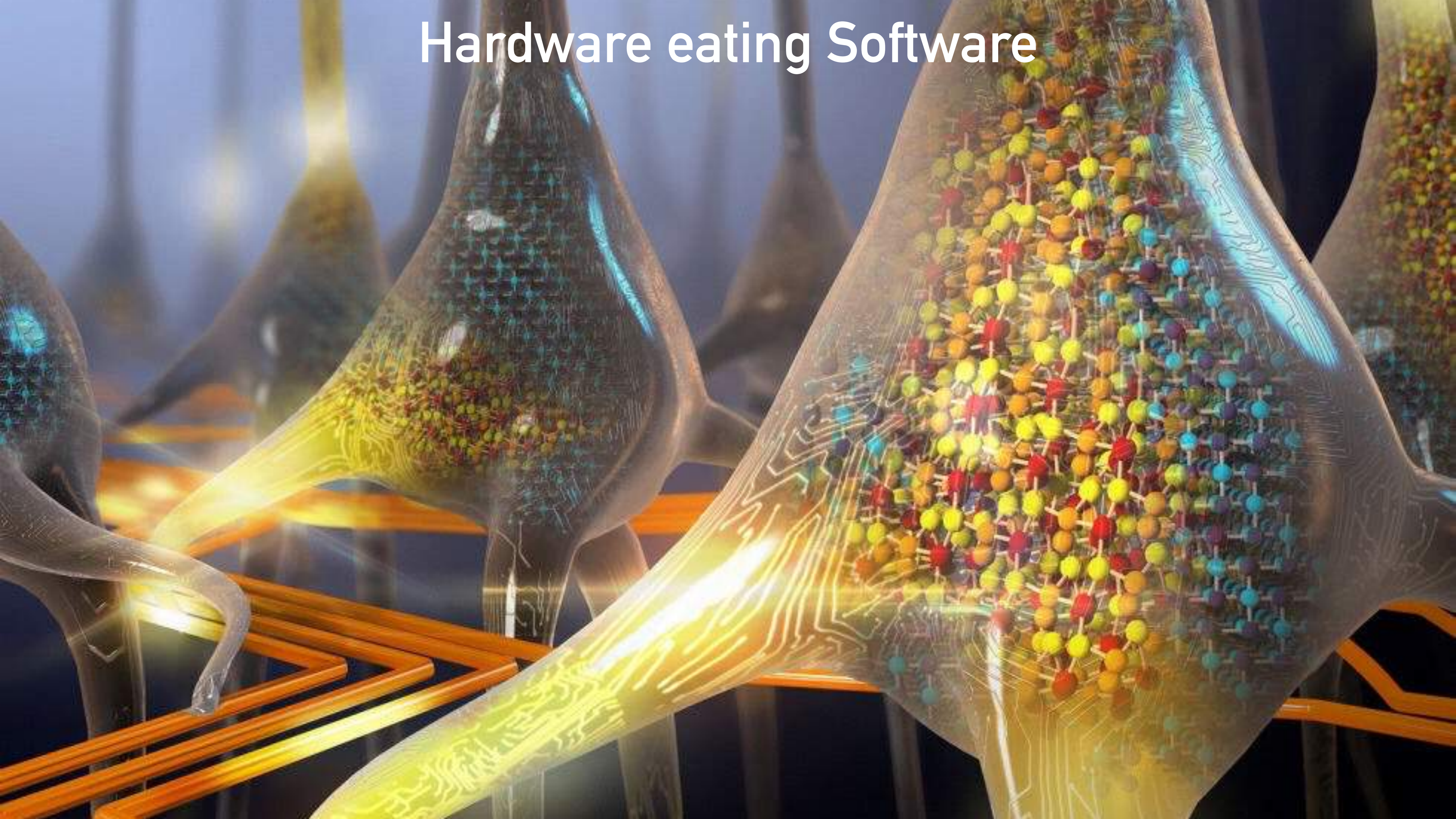
Scholarships are available to those from outside Cambridge and London area for travel and accommodation.

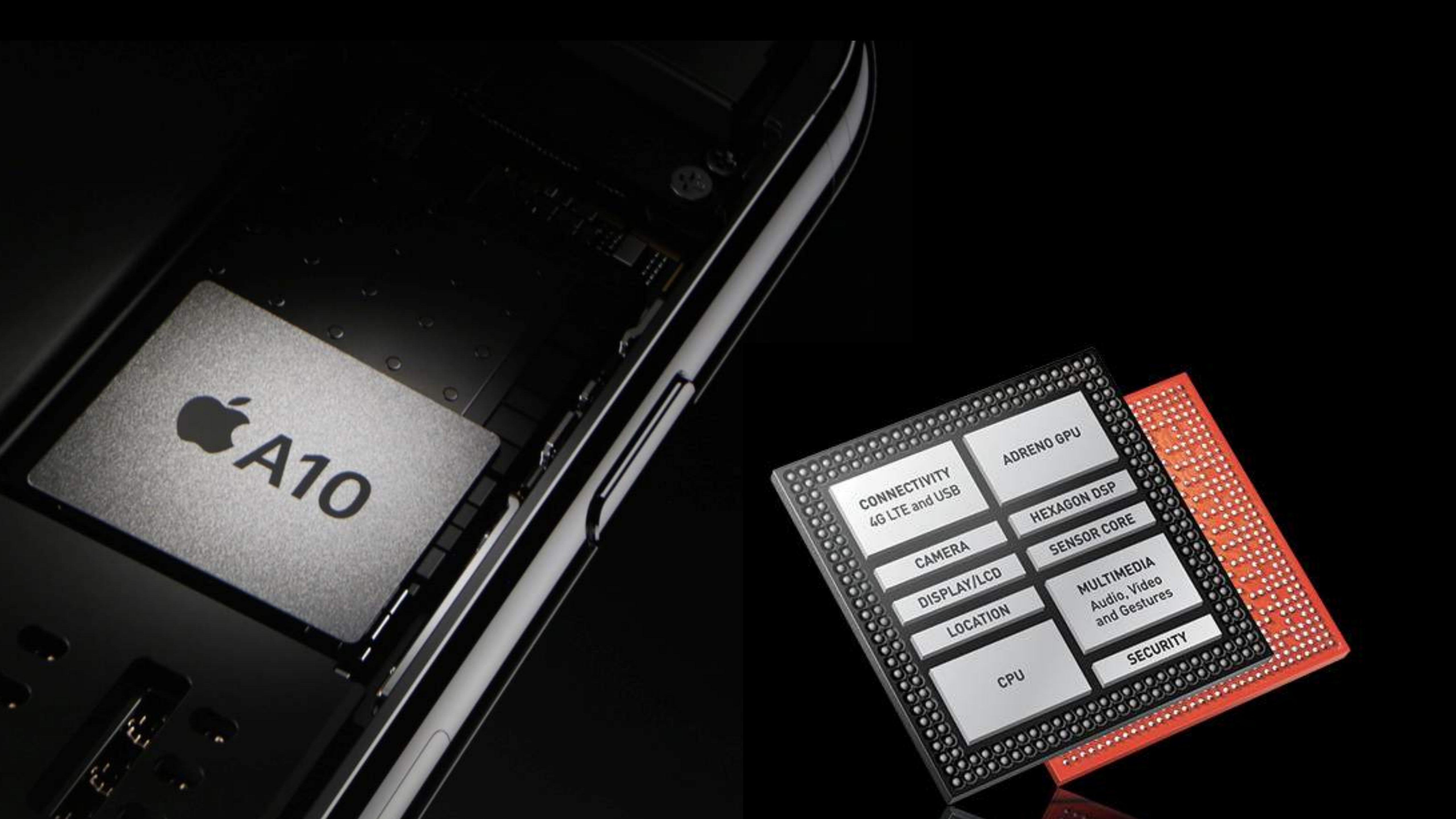
£1500 CASH PRIZE

www.cutec.org



Hardware eating Software





 **A10**

CONNECTIVITY
4G LTE and USB

ADRENO GPU

CAMERA

HEXAGON DSP

DISPLAY/LCD

SENSOR CORE

LOCATION

MULTIMEDIA
Audio, Video
and Gestures

CPU

SECURITY

Software, Training and Consortia Partners

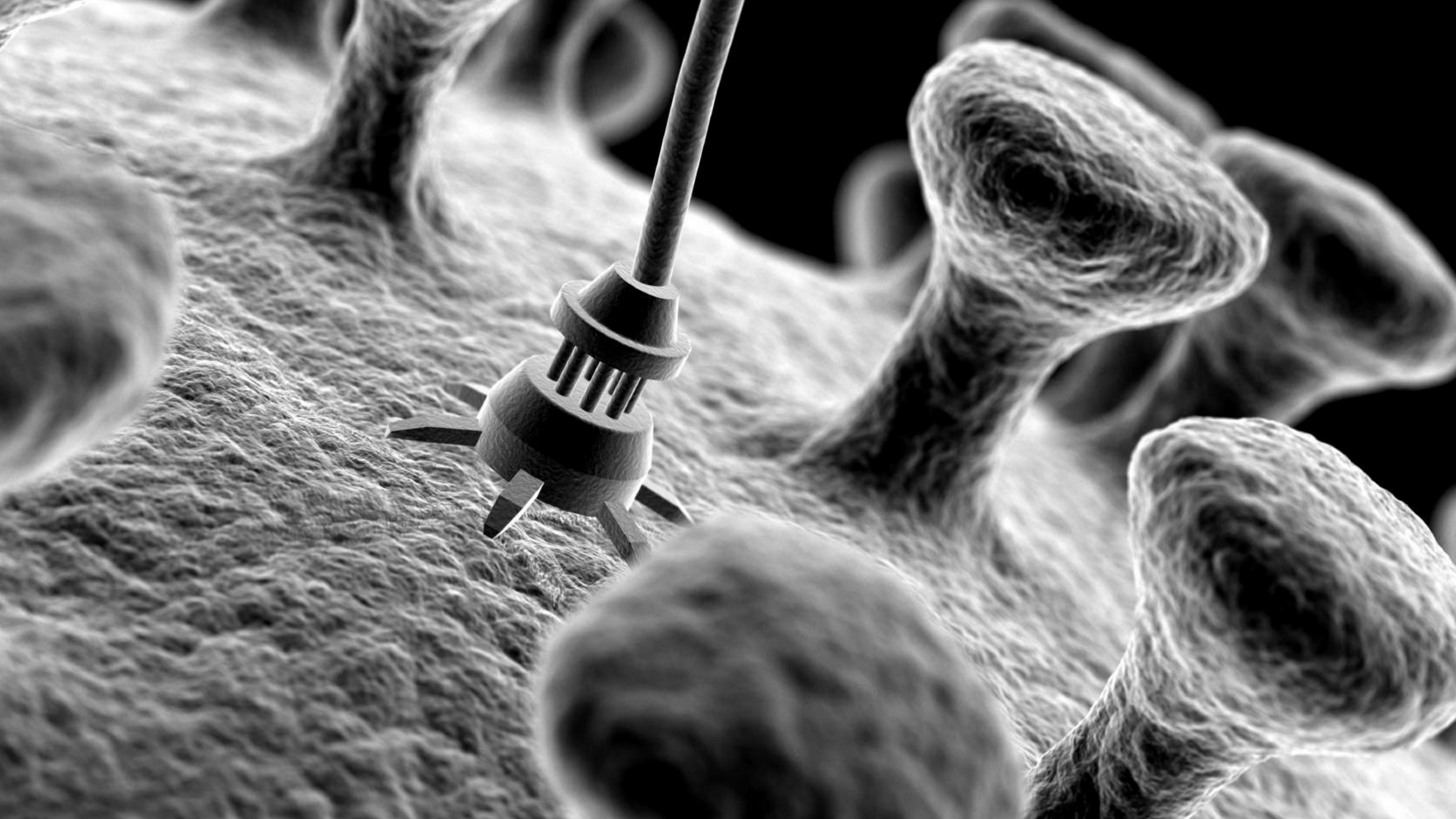


Silicon Partners



Design Support Partners







When Proteus Discover is activated, amazing things start to happen.

Proteus Discover is comprised of ingestible sensors, a small wearable sensor patch, an application on a mobile device and a provider portal. Once activated, Proteus Discover unlocks never-before-seen insight into patient health patterns and medication treatment effectiveness, leading to more informed healthcare decisions for everyone involved.



More engaged patients

With Proteus Discover, patients can easily monitor their medication-taking patterns on their mobile device.



Optimized therapies

Physicians have access to objective data that enables them to initiate, titrate, eliminate medication.



Improved outcomes

Health systems are able to measure treatment effectiveness and optimize therapies.

THIS YEAR
**LUNG
CANCER**
WILL COST THE
NHS NATIONAL
HEALTH
SERVICE
**£2.5
Billion**

THIS YEAR
44,000
PEOPLE
will be
DIAGNOSED
with
LUNG CANCER
and
35,200
WILL DIE
IN THE UK



STAGE I



IF DETECTED AT

OUT OF 100
75 | **5**

PEOPLE WILL
SURVIVE
LUNG CANCER

STAGE IV



UNFORTUNATELY
ONLY



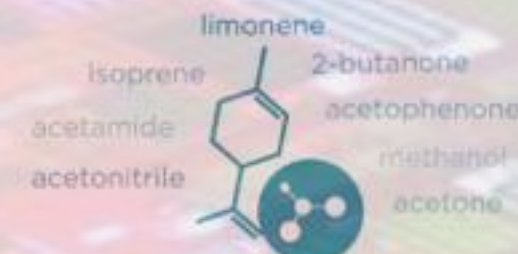
OF
PATIENTS
ARE DETECTED
AT STAGE I

THERE IS AN **URGENT** AND **GROWING** NEED
TO IMPROVE EARLY DIAGNOSIS
IN **LUNG CANCER**



EVERY TIME WE **BREATHE** OUT
THERE ARE **HUNDREDS** OF
CHEMICALS ON OUR BREATH.

SOME OF THESE CHEMICALS ARE
'TELL TALE' MARKERS OF **DISEASE**.



SCIENTISTS HAVE ALREADY USED
LARGE AND **EXPENSIVE** **CHEMICALS ANALYZERS**
TO FIND THE MARKERS OF LUNG CANCER.



OWLSTONE HAS DEVELOPED
A **CHEMICAL SENSOR** ON A **SILICON CHIP** -
100 TIMES **CHEAPER** AND 1000 TIMES **SMALLER**
THAN EXISTING TECHNOLOGIES

OWLSTONE HAS BEEN ABLE TO TAKE THIS SILICON CHIP
AND BUILD IT INTO A BREATHALYZER FOR LUNG CANCER

QUICK, NON-INVASIVE AND
AND **EASY TO USE**, IT CAN BE USED IN
A DOCTOR'S OFFICE TO HELP DETERMINE
IF **HIGH RISK** PATIENTS SHOULD BE
REFERRED FOR TESTING IN **HOSPITAL**.



Smart Cities



Smart World

Air Pollution

Control of CO₂ emissions of factories, pollution emitted by cars and toxic gases generated in farms.

Forest Fire Detection

Monitoring of combustion gases and preemptive fire conditions to define alert zones.

Wine Quality Enhancing

Monitoring soil moisture and trunk diameter in vineyards to control the amount of sugar in grapes and grapevine health.

Offspring Care

Control of growing conditions of the offspring in animal farms to ensure its survival and health.

Sportsmen Care

Vital signs monitoring in high performance centers and fields.

Structural Health

Monitoring of vibrations and material conditions in buildings, bridges and historical monuments.

Quality of Shipment Conditions

Monitoring of vibrations, strokes, container openings or cold chain maintenance for insurance purposes.

Smartphones Detection

Detect iPhone and Android devices and in general any device which works with Wifi or Bluetooth interfaces.

Perimeter Access Control

Access control to restricted areas and detection of people in non-authorized areas.

Radiation Levels

Distributed measurement of radiation levels in nuclear power stations surroundings to generate leakage alerts.

Electromagnetic Levels

Measurement of the energy radiated by cell stations and WiFi routers.

Traffic Congestion

Monitoring of vehicles and pedestrian affluence to optimize driving and walking routes.

Smart Roads

Warning messages and diversions according to climate conditions and unexpected events like accidents or traffic jams.

Smart Lighting

Intelligent and weather adaptive lighting in street lights.

Intelligent Shopping

Getting advices in the point of sale according to customer habits, preferences, presence of allergic components for them or expiring dates.

Noise Urban Maps

Sound monitoring in bar areas and centric zones in real time.

Water Leakages

Detection of liquid presence outside tanks and pressure variations along pipes.

Vehicle Auto-diagnosis

Information collection from CanBus to send real time alarms to emergencies or provide advice to drivers.

Item Location

Search of individual items in big surfaces like warehouses or harbours.

Waste Management

Detection of rubbish levels in containers to optimize the trash collection routes.

Smart Parking

Monitoring of parking spaces availability in the city.

Golf Courses

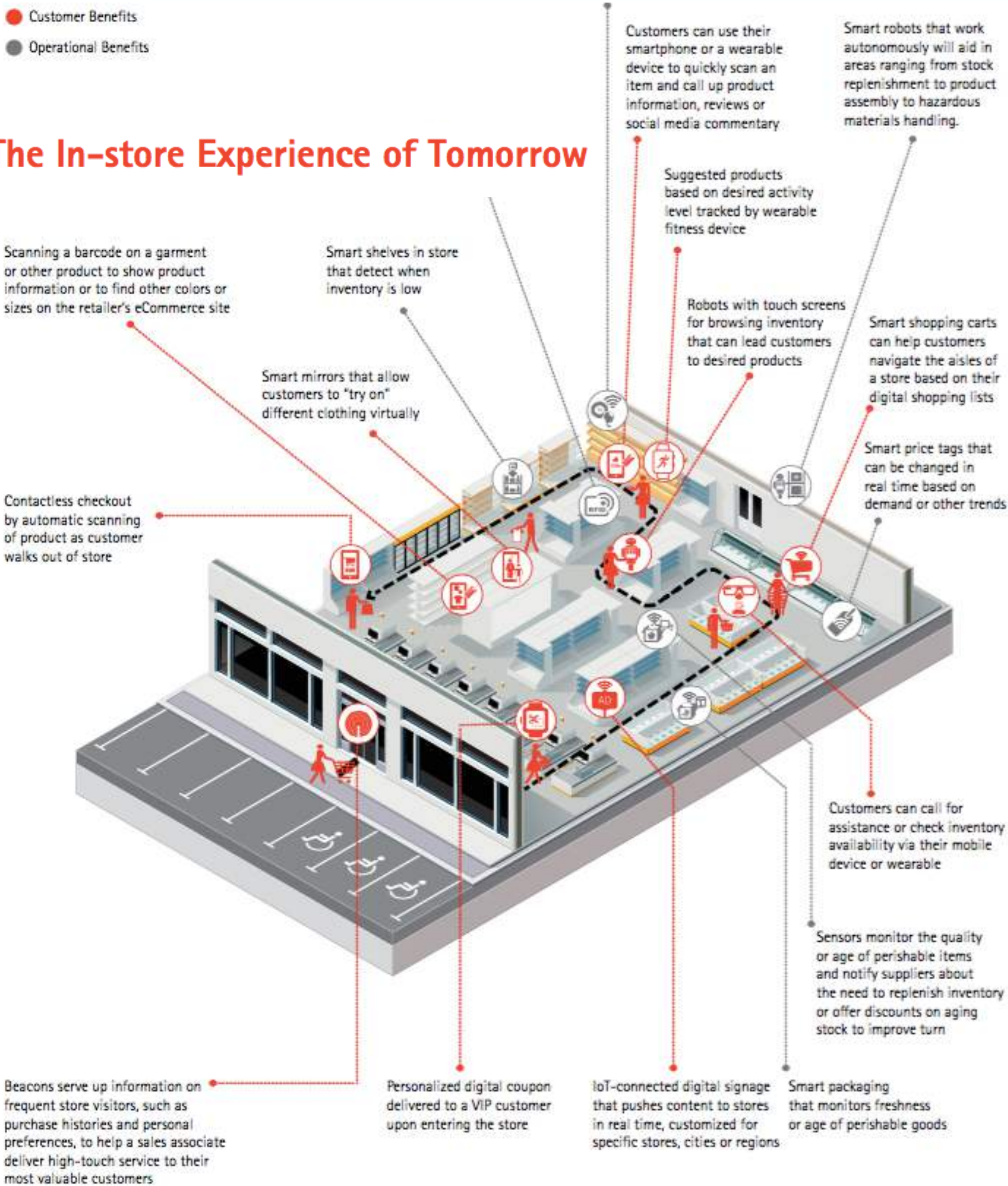
Selective irrigation in dry zones to reduce the water resources required in the green.

Water Quality

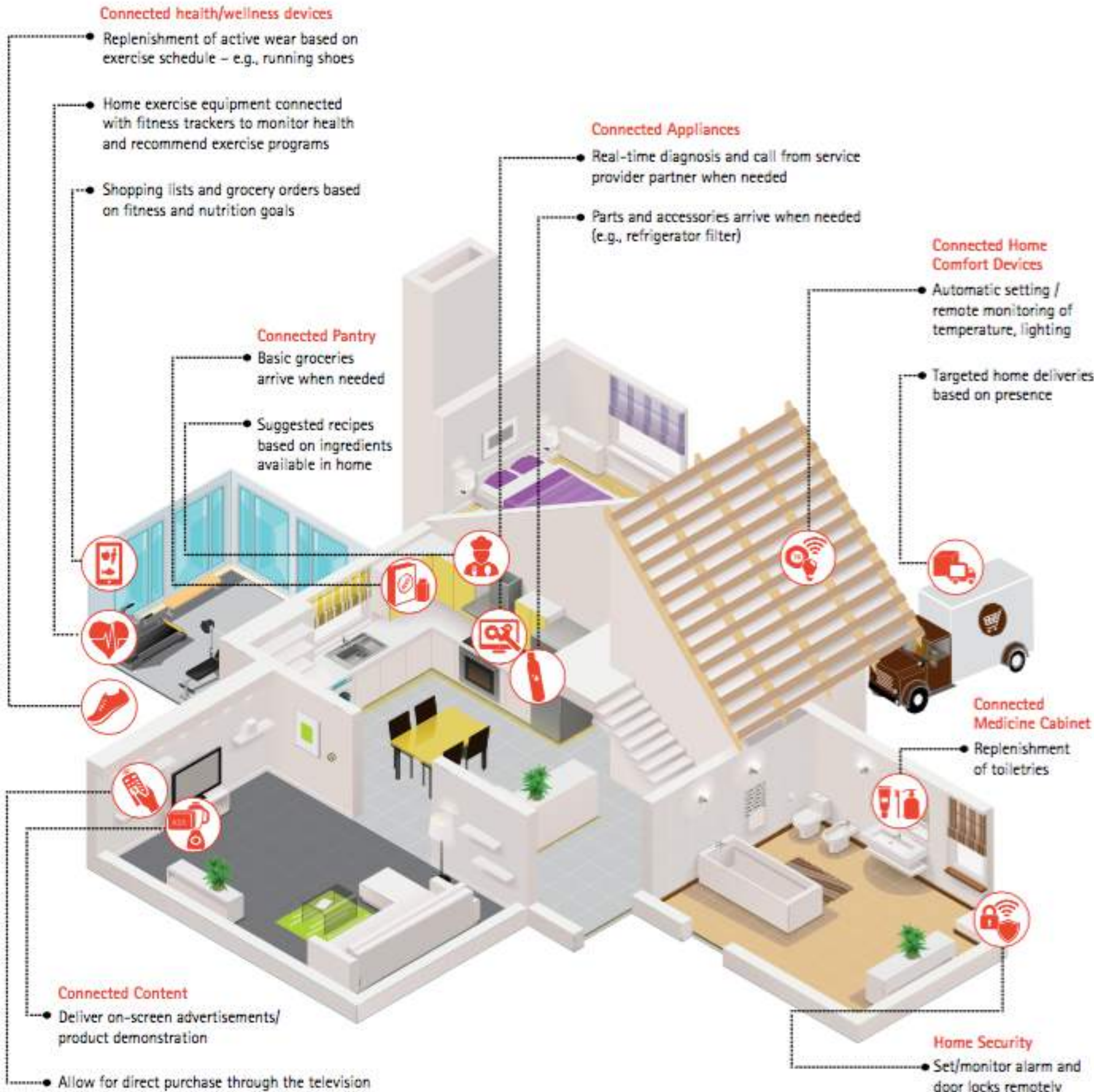
Study of water suitability in rivers and the sea for fauna and eligibility for drinkable use.

- Customer Benefits
- Operational Benefits

The In-store Experience of Tomorrow



The Connected Home





schlijper.nl
today



TIMES SQUARE FOR HUMANS ONLY!

DISTRICT 9

IN THEATERS AUGUST 14



D-9.COM

EVERYWHERE FRIDAY AUGUST 14

Chevy's

FRESH MEX FRESH MEX FRESH MEX FRESH

Chevy's

FRESH MEX

REGAL
CINEMAS

villa



STROMBOLI PASTA

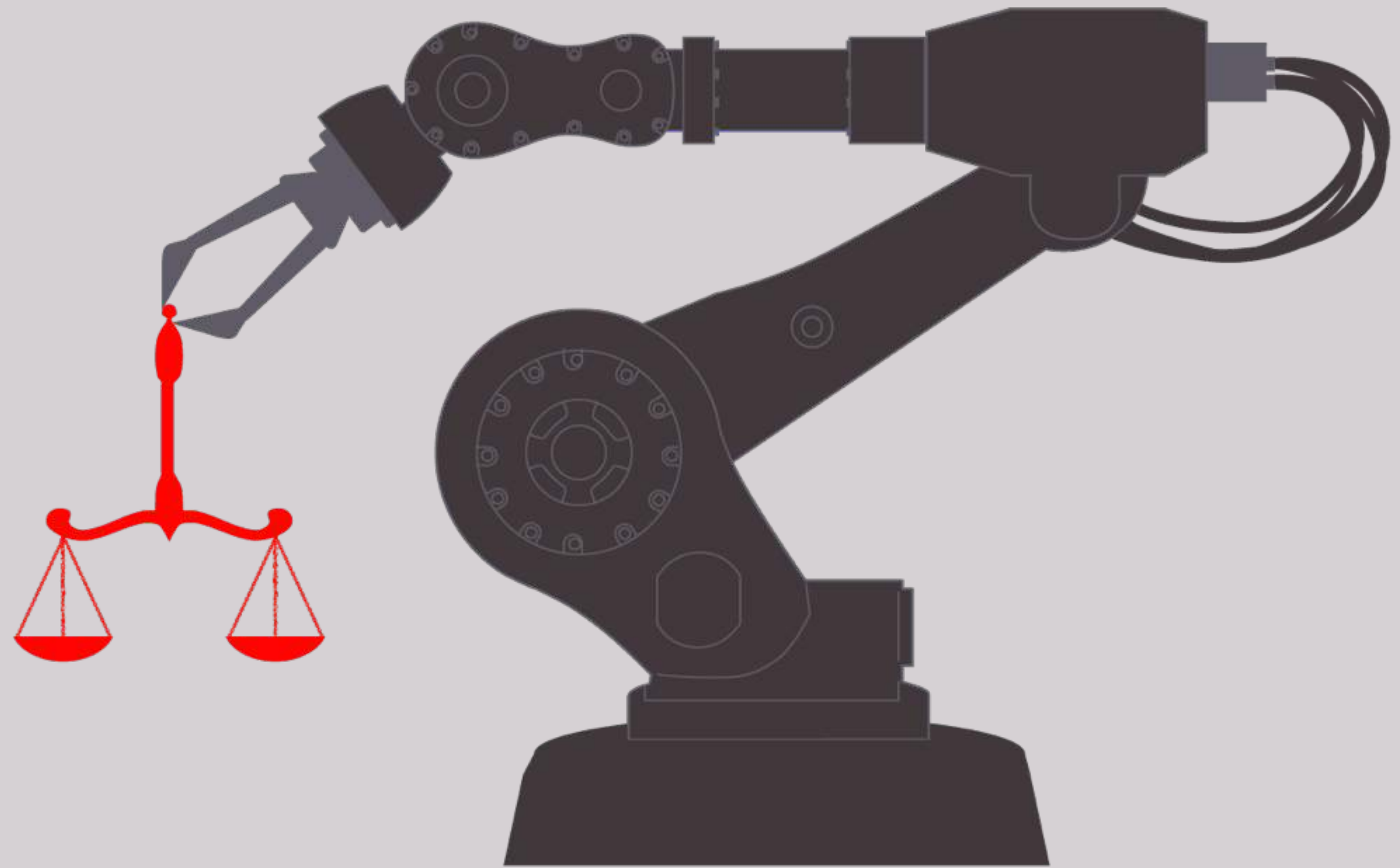
RAISE
PLOW



Buildings as Platforms



Anything
that can be
digitised +
automated
... will be



Automation of Everything

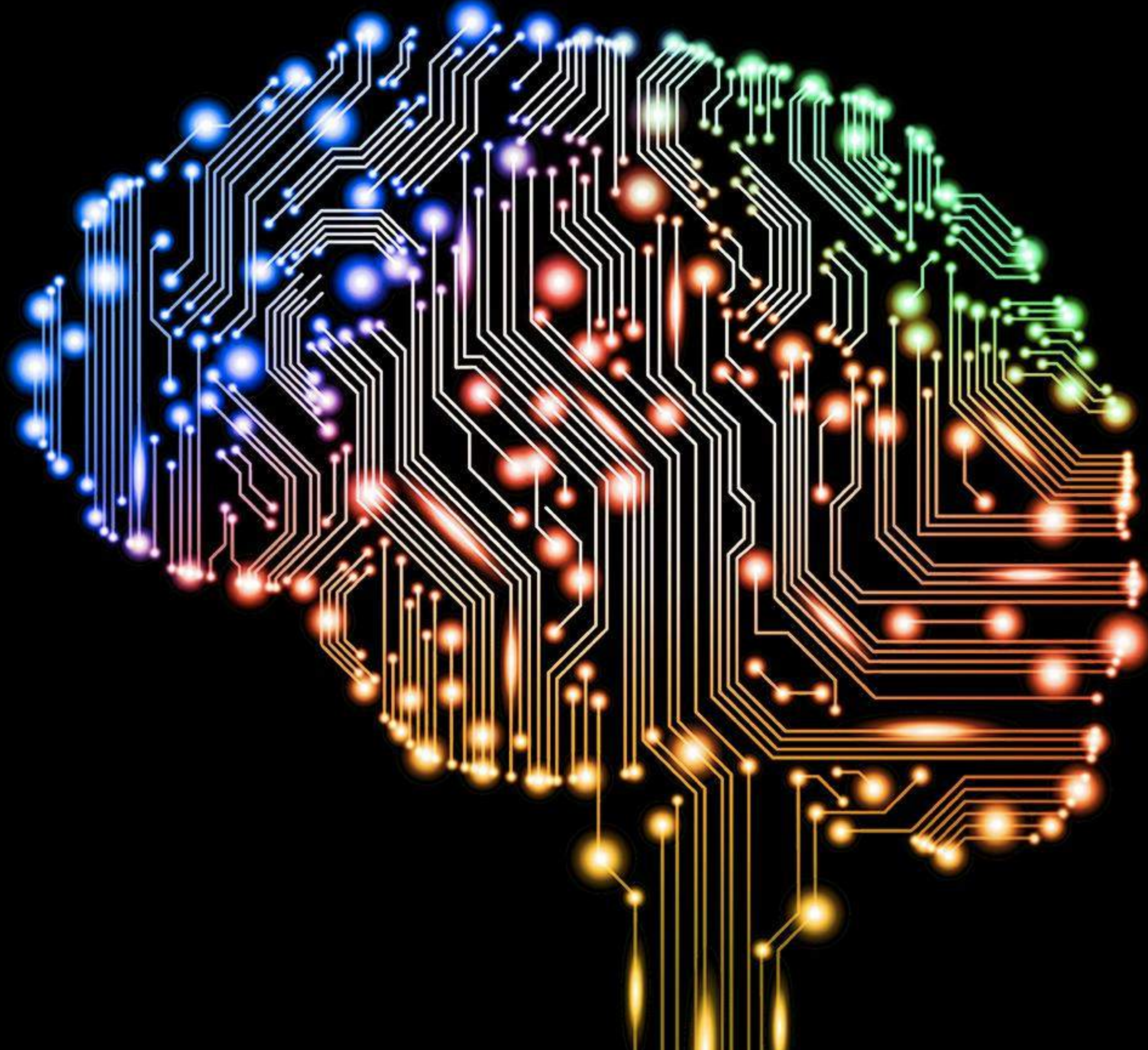


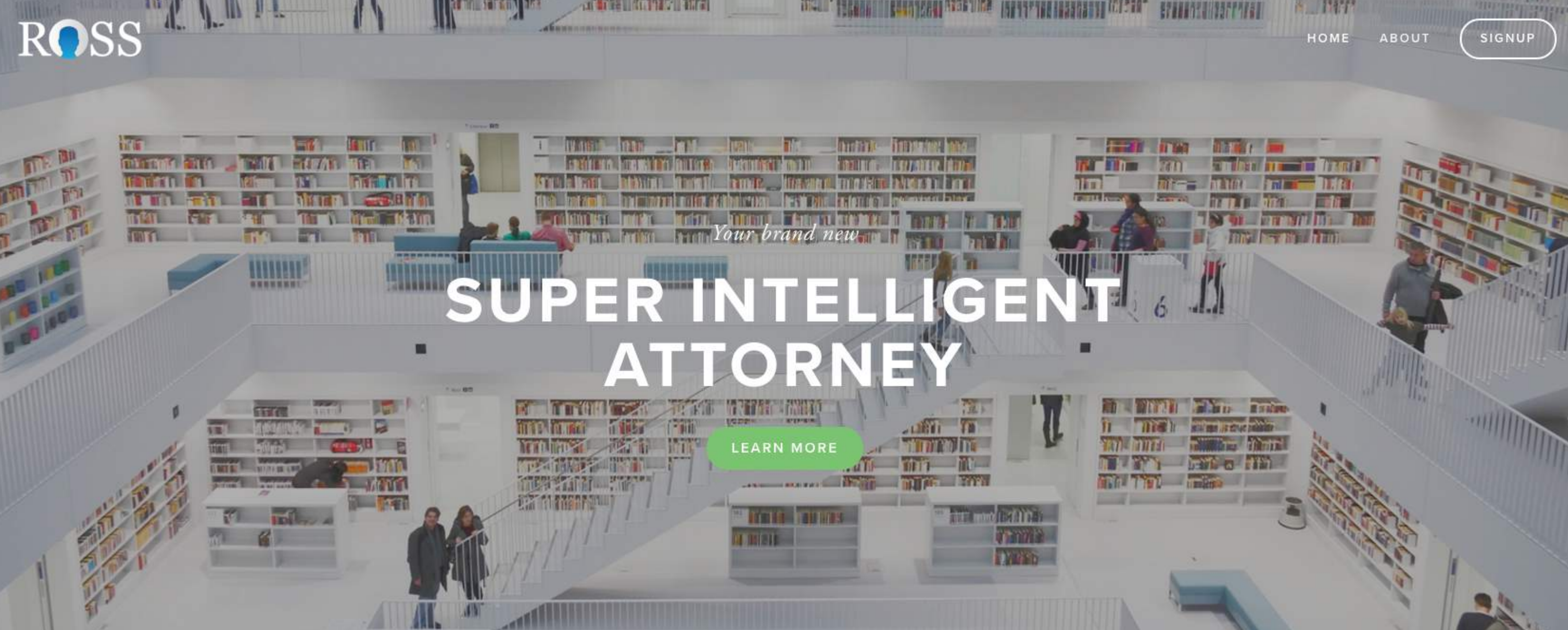
Automation of Everything





Artificial Intelligence





Your brand new

SUPER INTELLIGENT ATTORNEY

LEARN MORE

Built on top of Watson, IBM's cognitive computer,

ROSS is a digital legal expert that helps you power through your legal research.

You ask your questions in plain English, as you would a colleague, and ROSS then reads through the *entire body of law* and returns a cited answer and topical readings from legislation, case law and secondary sources to get you up-to-speed quickly.

In addition, ROSS monitors the law around the clock to notify you of new court decisions that can affect your case.



Home

Redefining investment

The model of venture capital investment dates back 20 years, and we consider this practice to be outdated. In our approach to investing we minimize failure by minimizing venturing. We target only smart investments and our decision-making models are upgraded and perfected by AI.



MAIN

Browse

Activity

Radio

YOUR MUSIC

Songs

Albums

Artists

Stations

Local Files

PLAYLISTS

Discover Weekly ...

Erykah Badu – But Yo...

See Line Woman – S...

The Cinematic Orche...

Jazztronica by Spotify

Jaga Jazzist ***

Nu-jazz by Guadalf Alve...

Next 1277

New Playlist

High Up On The Hook
Alice Russell

PLAYLIST

Discover Weekly

Your weekly mixtape of fresh music. Enjoy new discoveries and deep cuts chosen just for you. Updated every Monday, so save your favourites!

Created by: Spotify - 30 songs, 2 hr 20 min

PAUSE

FOLLOWING

FOLLOWERS

1

Filter

Available Offline

	SONG	ARTIST	ALBUM		
	Howling For Judy	Jeremy Steig	Howlin' For Judy	4 days ago	4:39
	Sound & Vision	The Sea and Cake	One Bedroom	4 days ago	4:07
	Dooyo	Dur-Dur Band	Volume 5	4 days ago	3:50
	Beau Mot Plage	Isolée	Rest	4 days ago	6:46
	Mr. White	Khruangbin	The Universe Smiles Upon You	4 days ago	4:58
	Little Sunflower	Freddie Hubbard	Backlash	4 days ago	7:55
	It Never Entered My Mind	Miles Davis Quintet	Workin' (RVG Remaster)	4 days ago	5:23
	Don't Take My Soul	Jane Weaver	The Silver Globe	4 days ago	6:34
	Too Easy	The Wiseguys	Executive Suite	4 days ago	6:31
	Talking Bout My Baby	Fatboy Slim	Halfway Between The Gutter And Th...	4 days ago	3:44
	The Dolphins	Fred Neil	The Many Sides Of Fred Neil	4 days ago	4:05
	Don't Go Lose It Baby	Hugh Masekela	Grazing In The Grass: The Best Of H...	4 days ago	6:51
	Sunday Morning	Margo Guryan	Take A Picture	4 days ago	2:20
	Mis Dos Pequeñas	Orlando Cachaíto López, Angá Díaz, ...	Cachaito	4 days ago	4:07
	Smiling Faces	Fest of Undersound	From Your Own Chosen Heart: Day	4 days ago	6:22

Edial Dekker

Often - Kygo Remix
The Weeknd

Eclectische Playlist Op Weg ...

Fernanda Pedrotti Ebe...

Weird Fishes
Noordpool Orchestra

Discover Weekly

Jarmo Elukka Eskelinen

Yesterday
Swim Mountain

Vilkon suosituksset

Blue Note Records

Right Here, Right Now
Cassandra Wilson

Travelling Miles

Max Niederhofer

Just Dropped In
Mickey Newbury

Winter Winds

42 m

Reshma Sohoni

On My Mind
Ellie Goulding

Dance Workout

3 h

Philip Oomen

D.A.N.C.E - MSTRKRFT Remix
Justice

French Touch FG

3 h

Maarten Lens-fitzgerald

Cabin Essence - Session Highlig...
The Beach Boys

The Smile Sessions

3 h

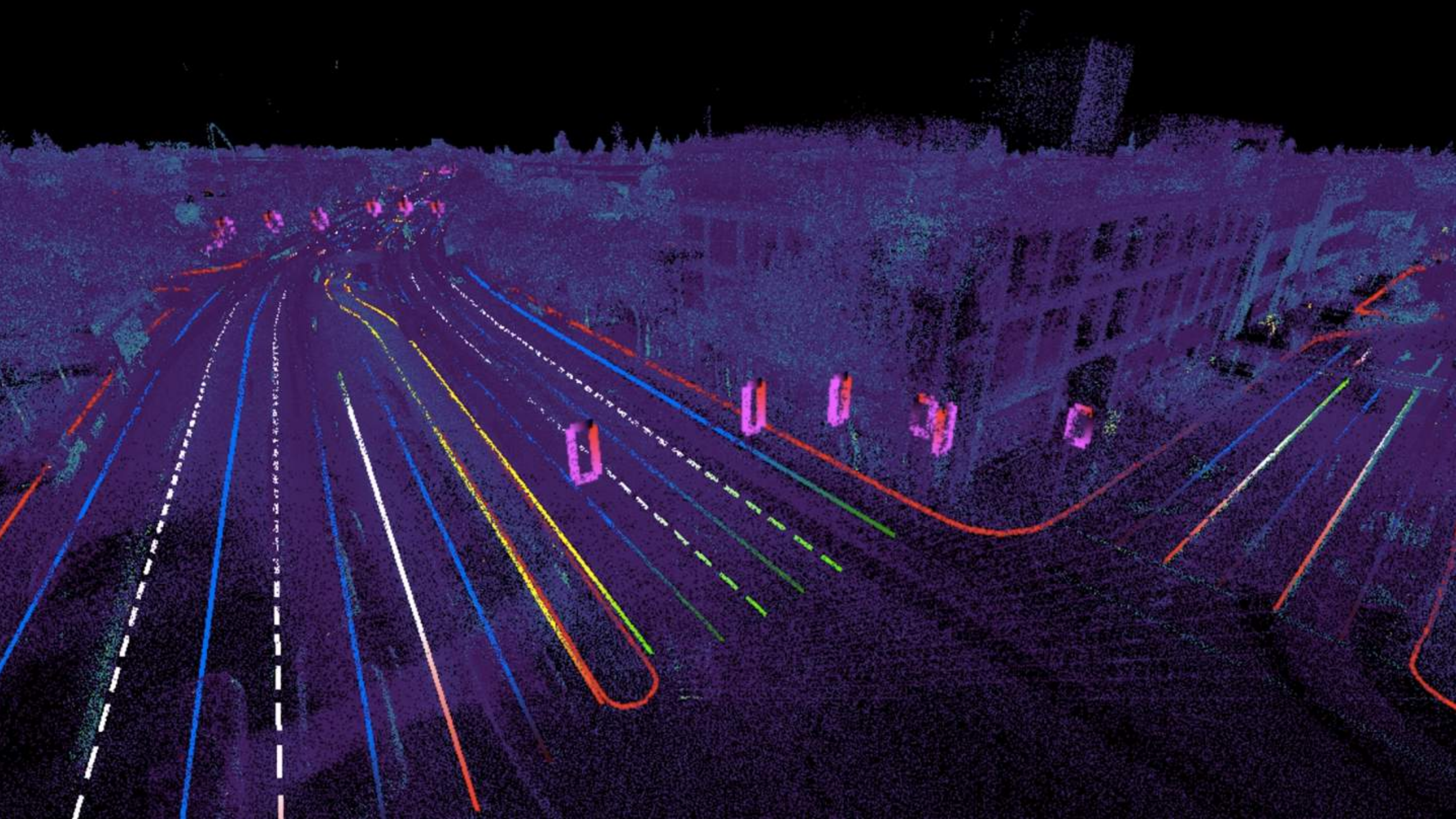
0:32

6:01

LYRICS

NETFLIX







Hydroswarm

Underwater Drone Intelligence

The World's First
Underwater Smart Drone:
EVE



We are creating the world's first
drone platform for under



PREDICTIVE CONSUMER GENERATED ADS

IMAGINE IF YOU COULD KNOW YOUR BEST PERFORMING
CREATIVE BEFORE SPENDING A DIME.



ALWAYS FRESH, TWICE AS EFFECTIVE.

Instagram ads that use consumer-generated photos are
twice as effective as regular ads—plus there's always a
pool of fresh content on hand to bridge the content gap.

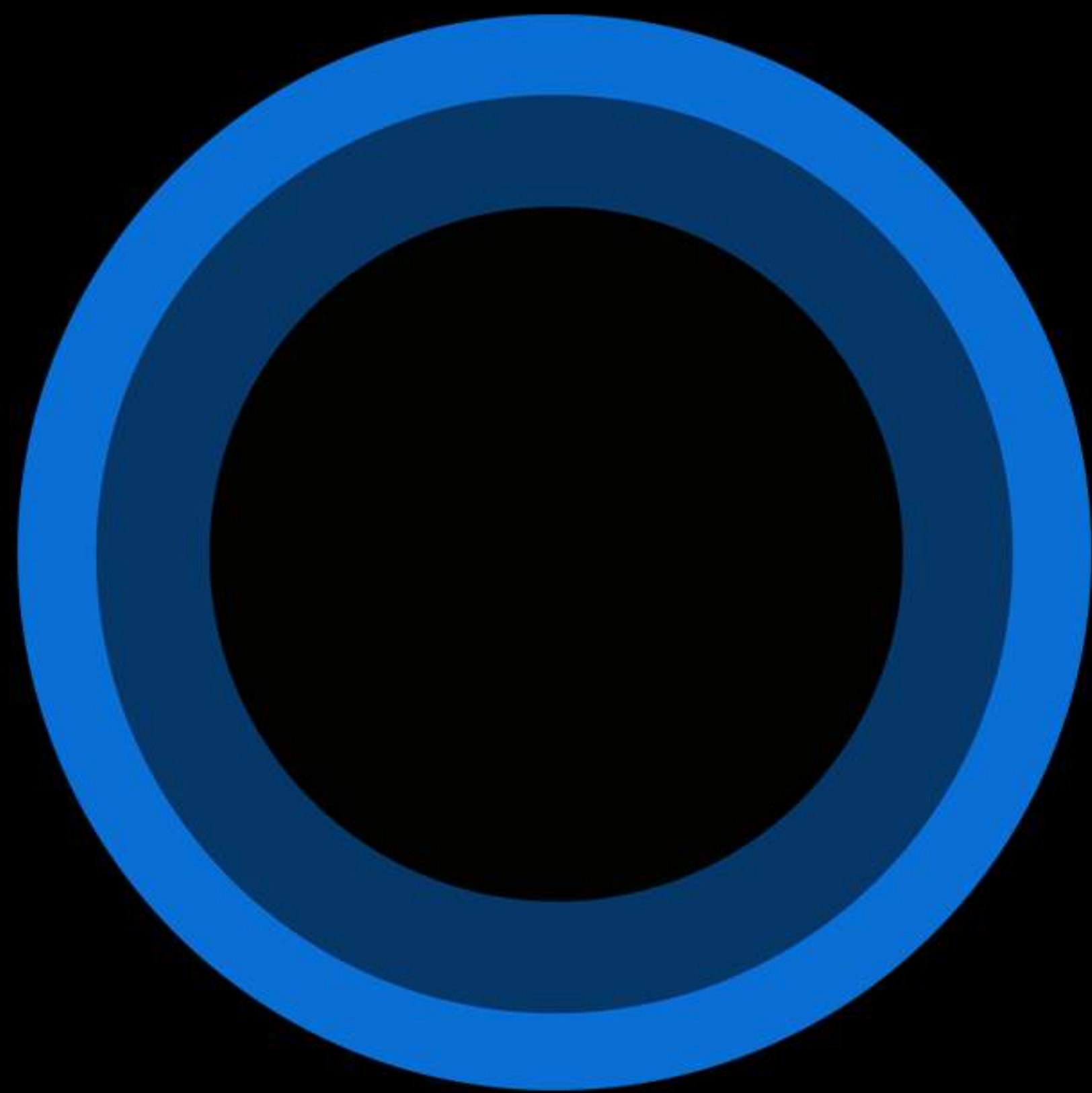
Welcome to the era of cognitive business

Start your cognitive business journey by learning more about cognitive solutions like Watson and the IBM Cloud platform that supports cognitive workloads.

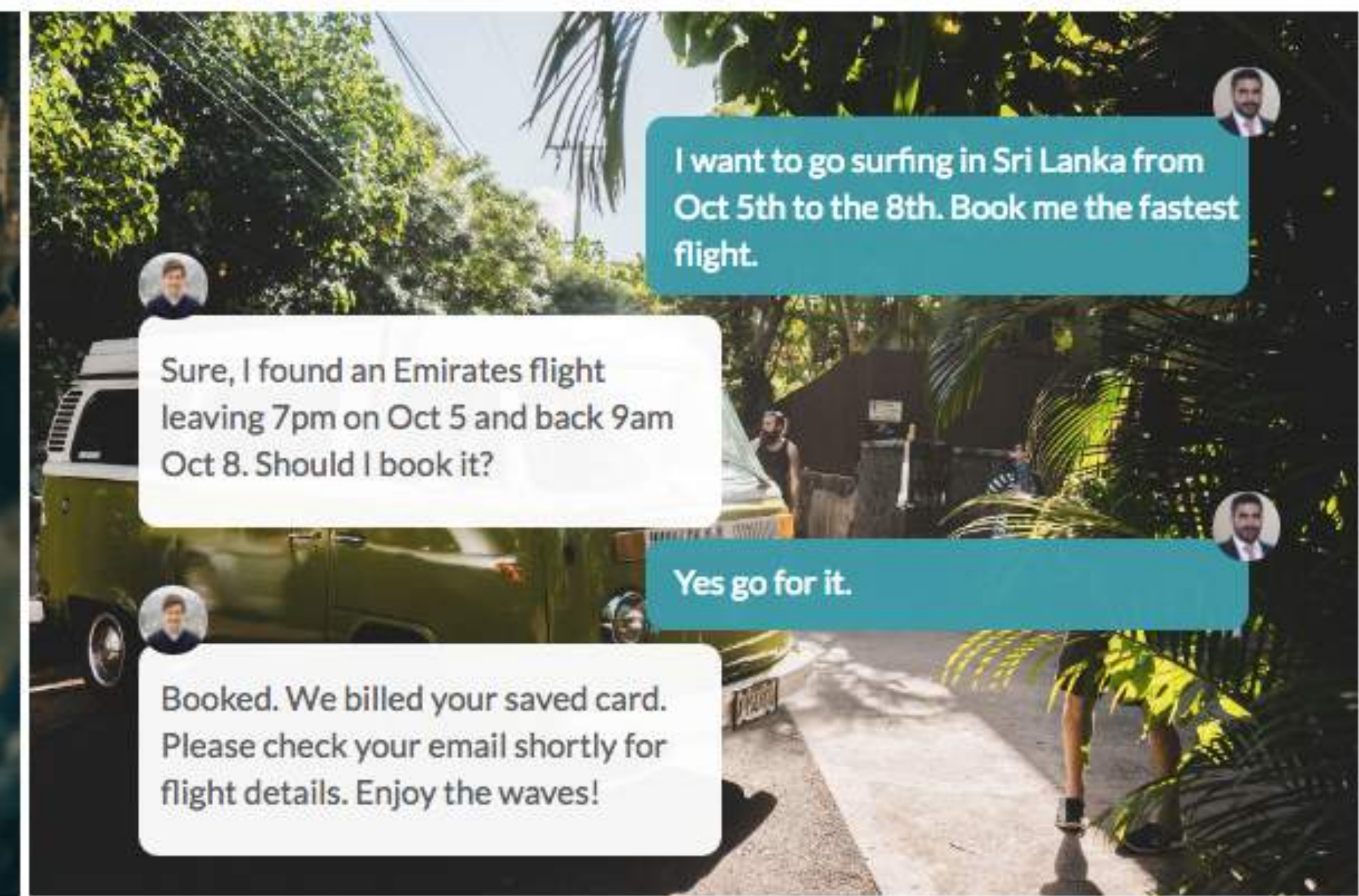
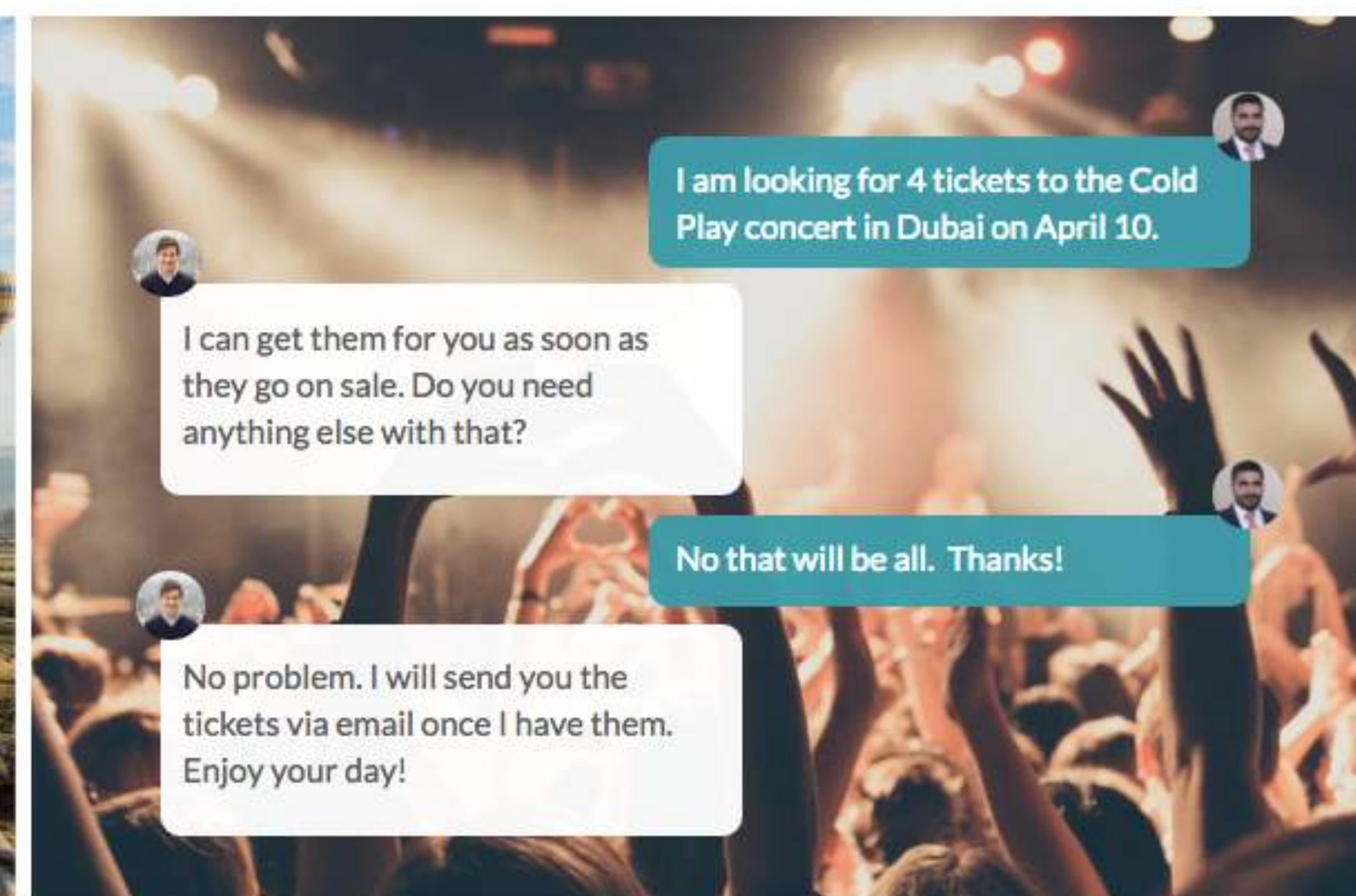
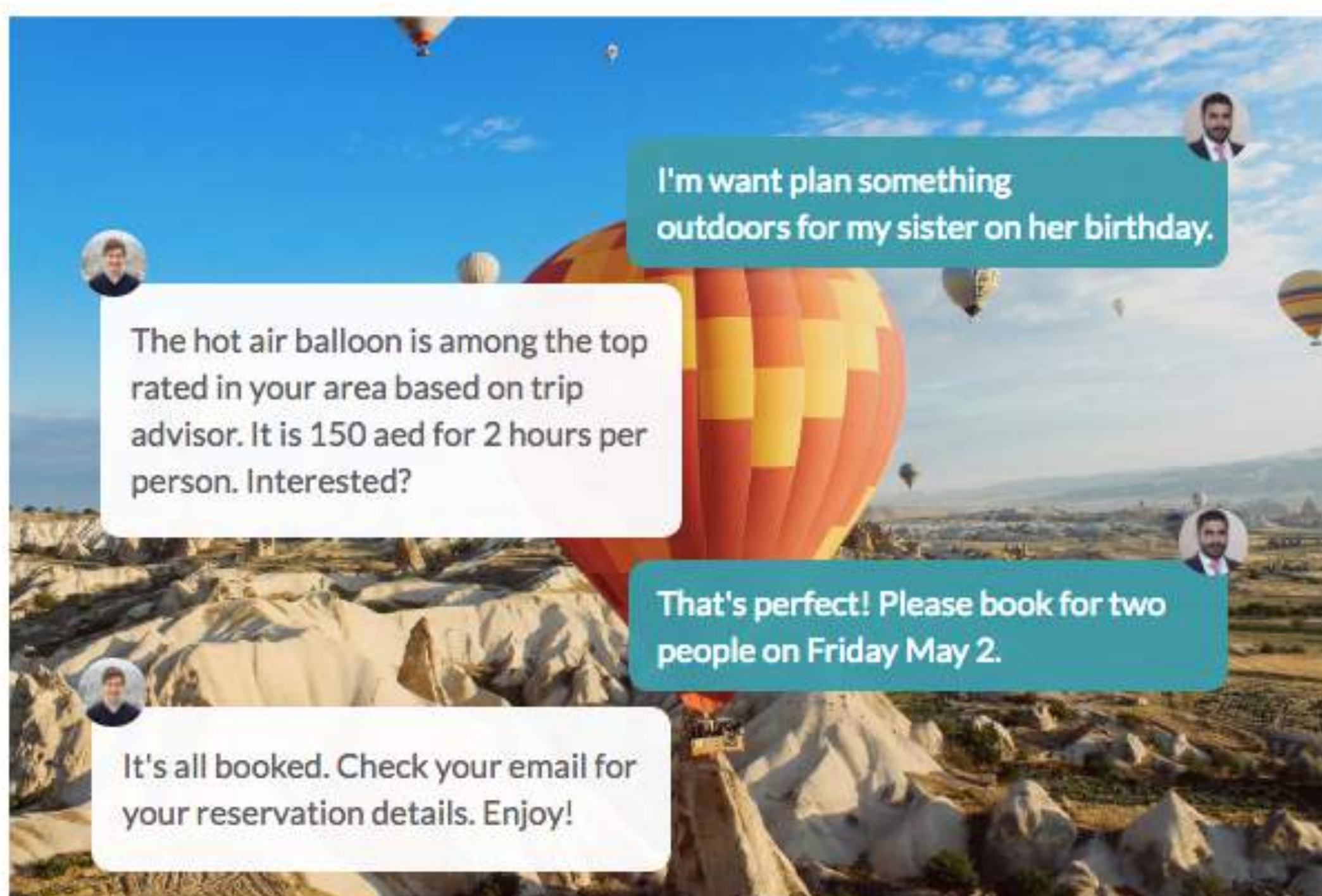
Start exploring

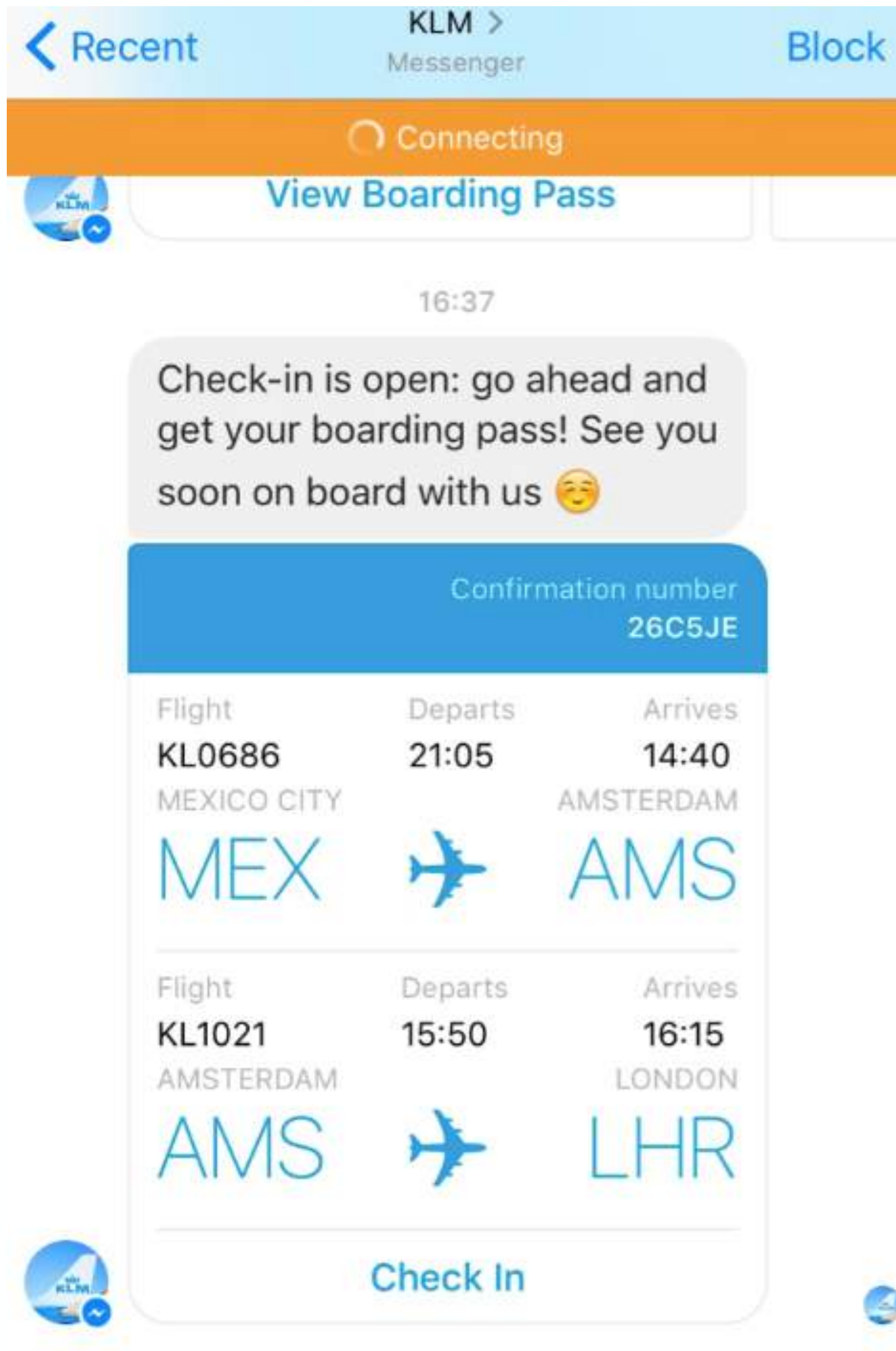
Discover personality insights
with Watson



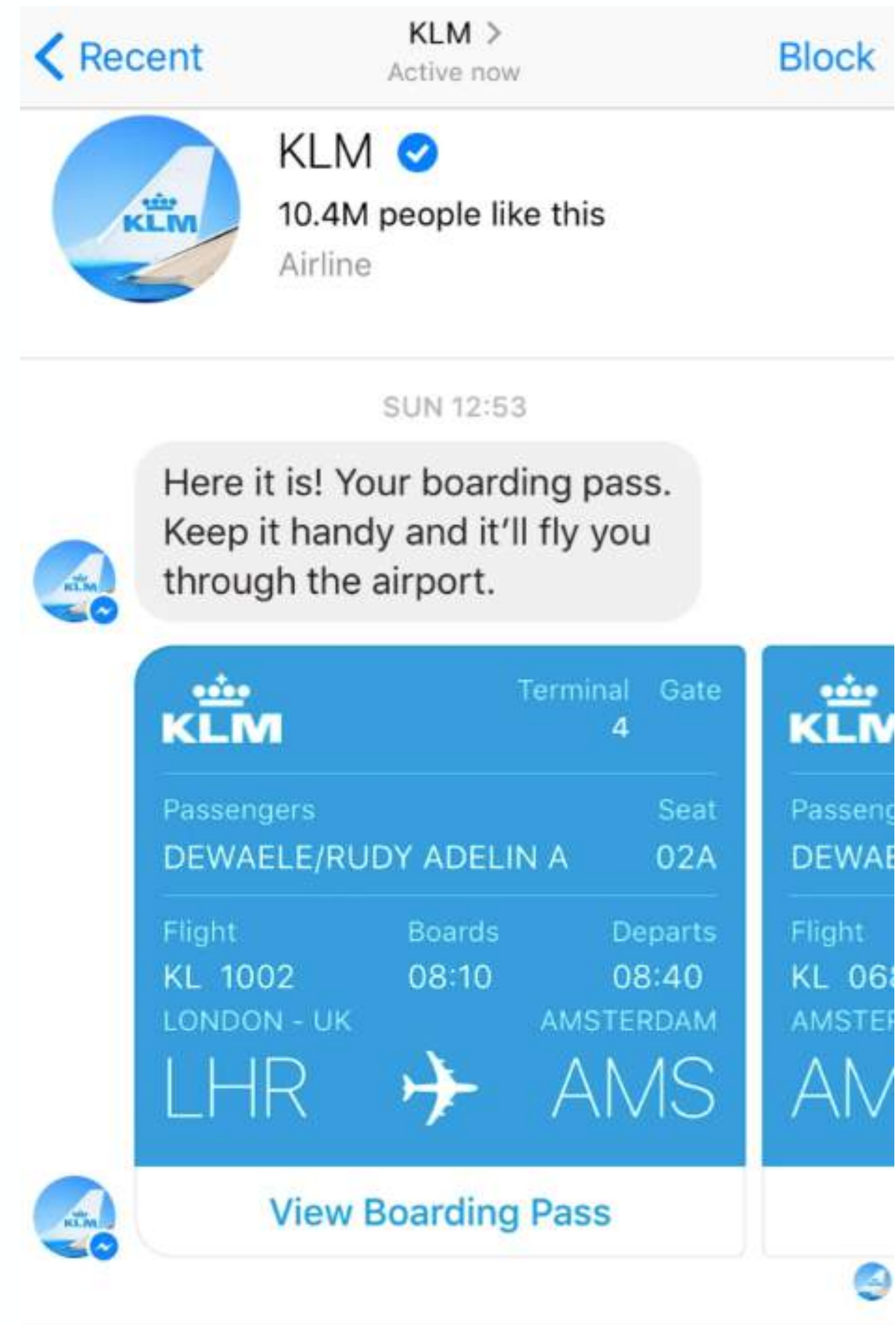


Hello! What can I do for you?

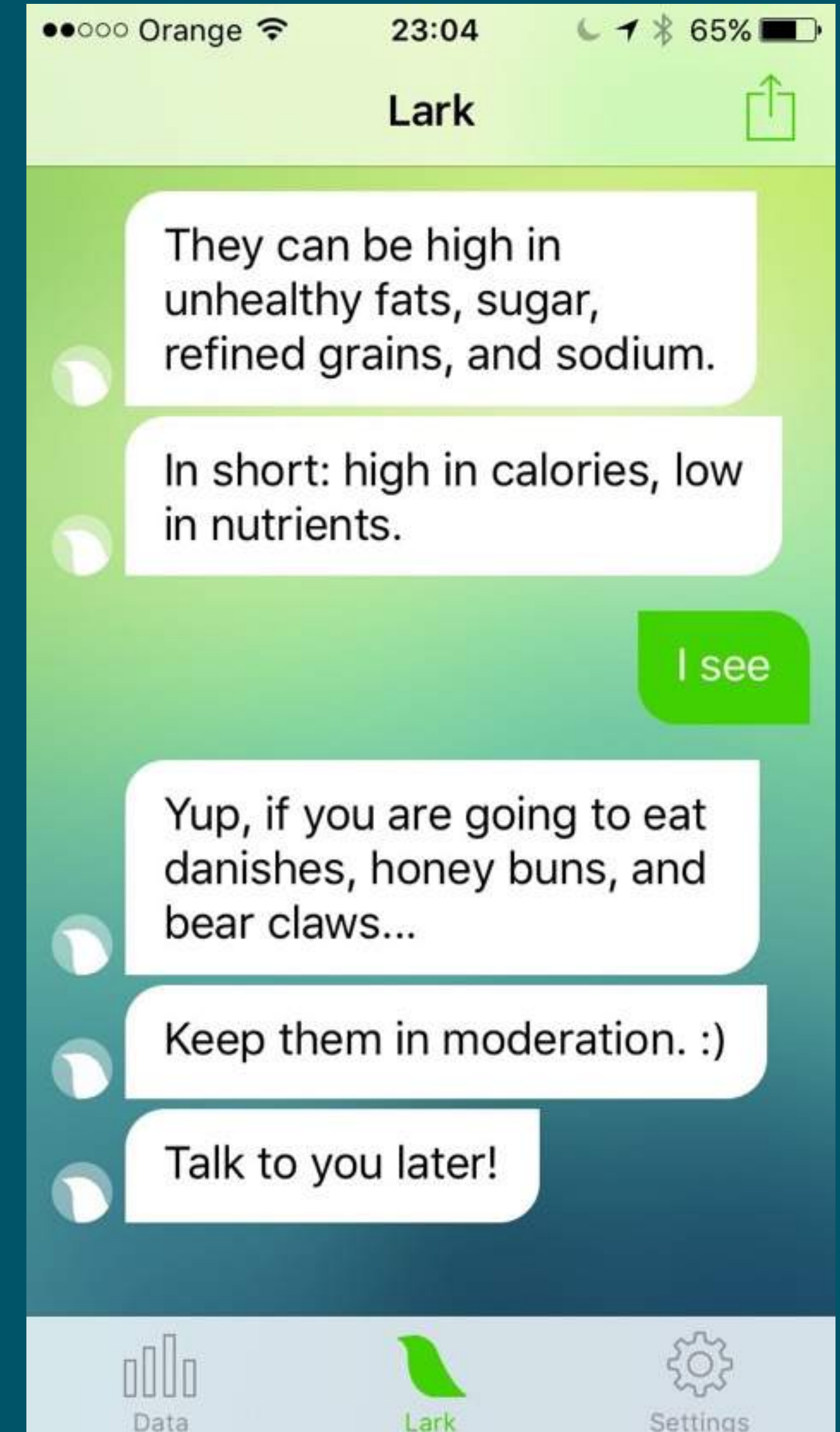
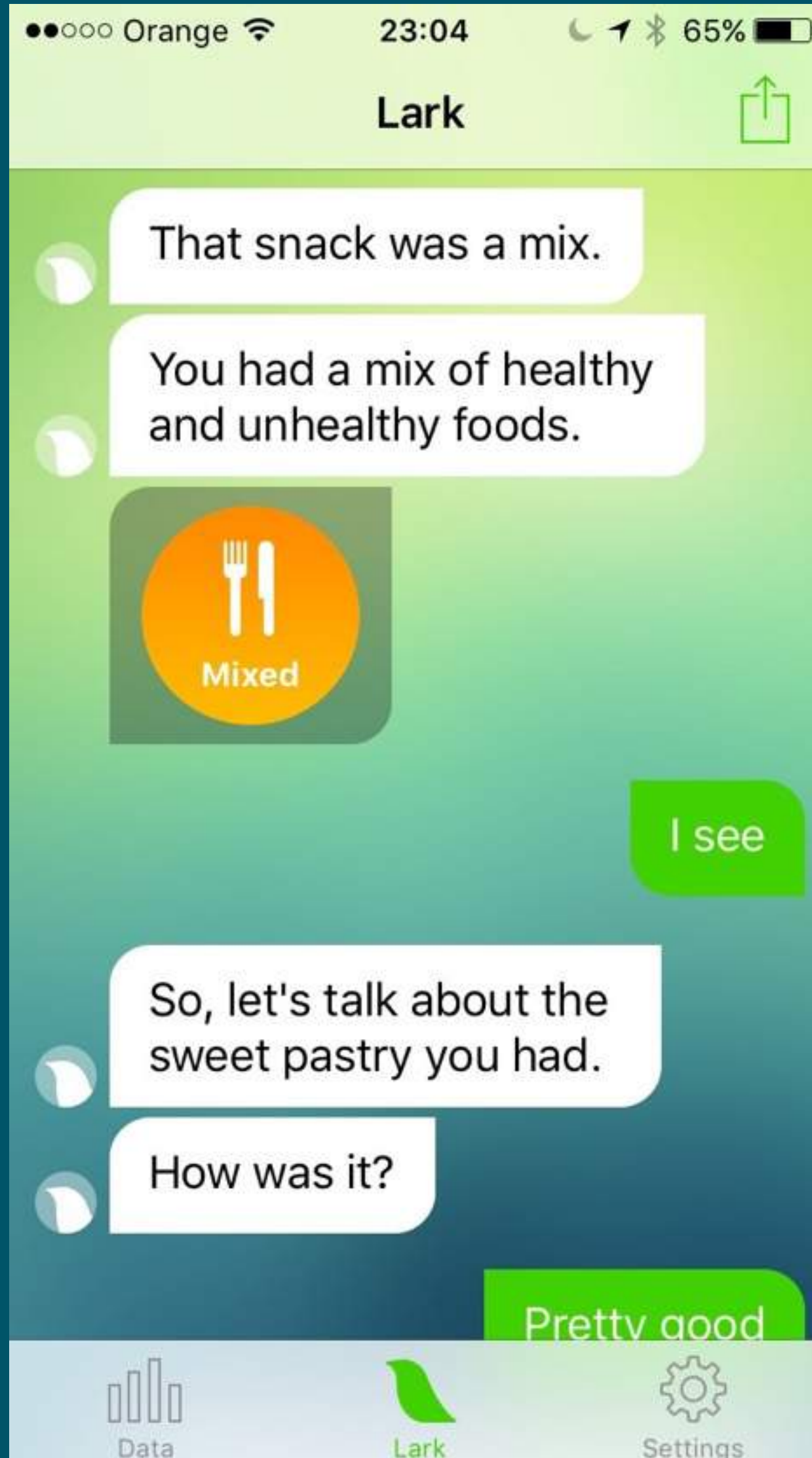
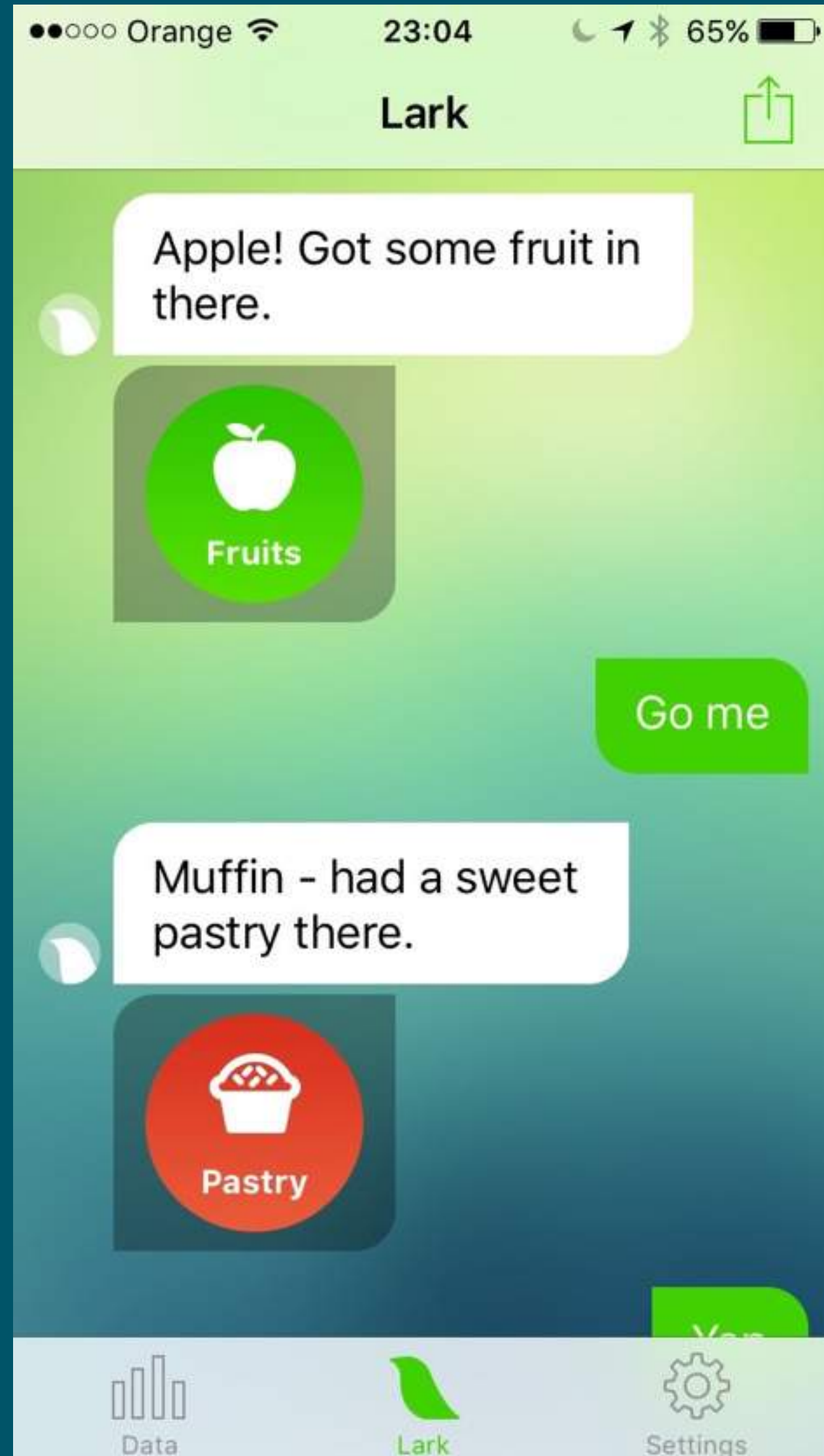




Message KLM...



Message KLM...



MICROSOFT VIDEO
MARCH 30, 2016
SAN FRANCISCO



c|net

< Gurdeep ▾



Hey I just learned that you've been asked to keynote Codess again this year. Congratulations and thanks for everything you do for Skype.

Thanks



The team has sent a little something to say congrats



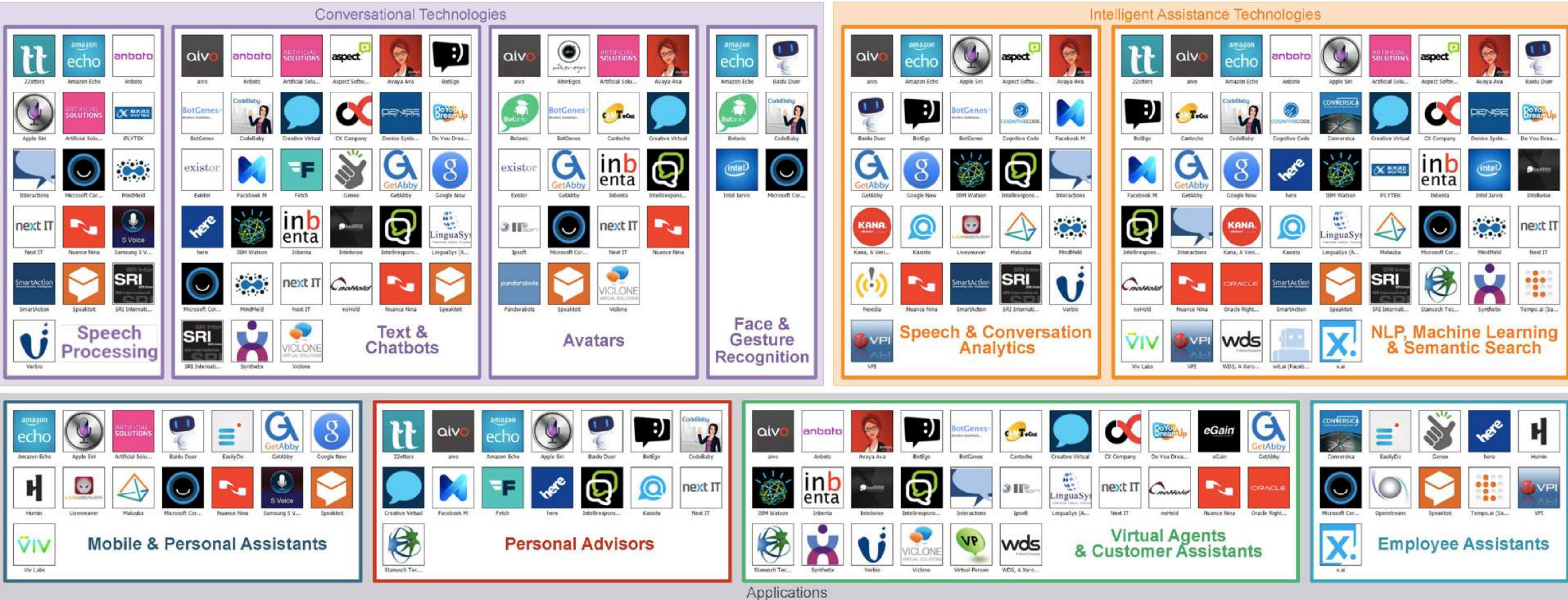
Type a message here



A|



Intelligent Assistance landscape

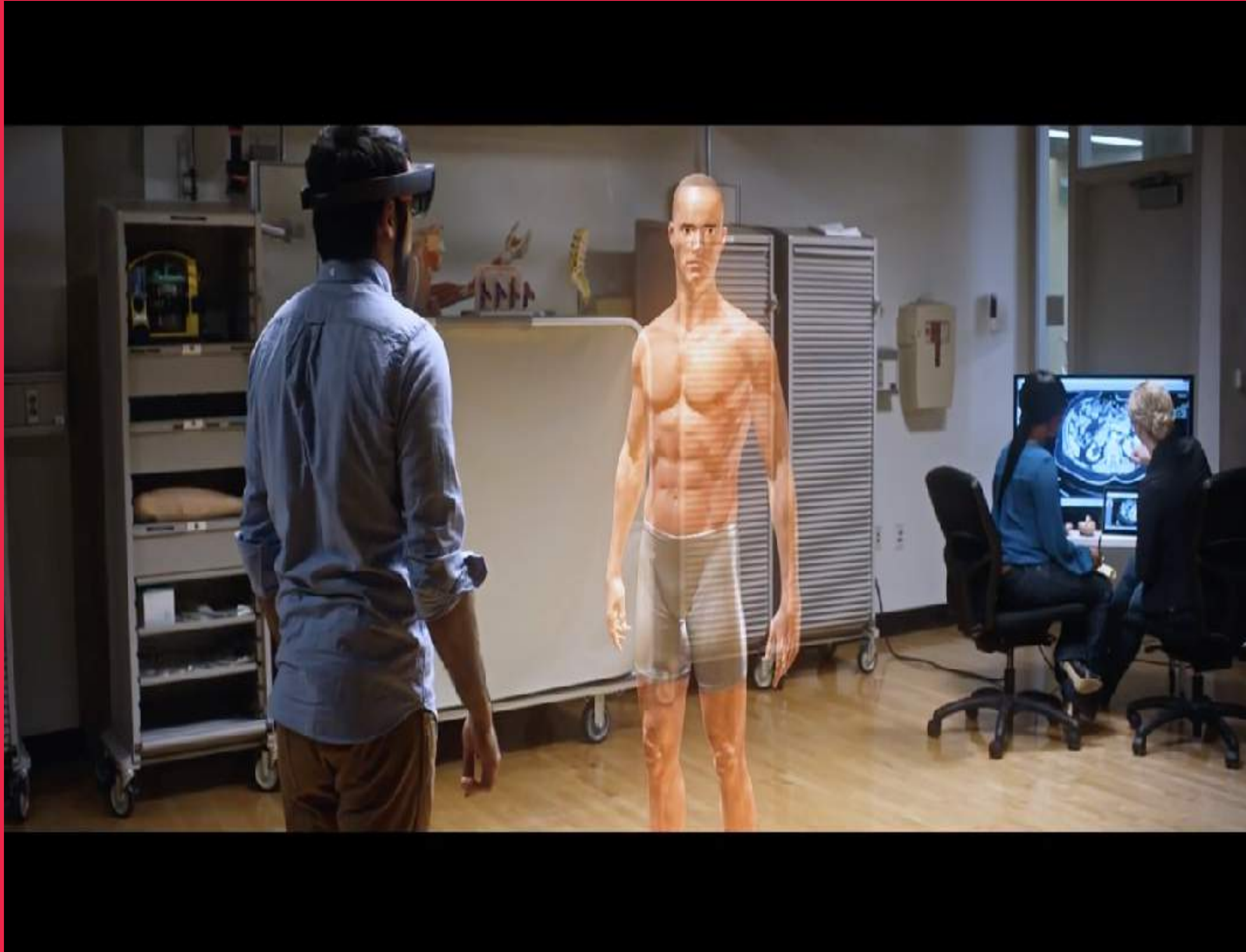


Interface Revolution: Voice





Interface Revolution: AR, VR, Holographics, BCIs



MSFT Hololens Video



JOBMONKEY
inspiration
guru

JOB MONKEY

URGENT

HURRY! DUE IN:
BUY GROCERIES
FOR MR D. JURADO

GET OFF AT
DOWNTOWN
EXITO

shopping list
7 items. autoPAY enabled
for faster shopping

- pineapple
- yoghurt

NEXT

USER TESTING FOR DOGS
Report to Canine Lifestyle Inc. for registration

12 MONKEYPOINTS

**BONUS
JOB**

MASCOT
Costumed Retail
Assistant, select to
accept

5 MONKEYPOINTS

**BONUS
JOB**

**PROOF
READING**
premium only

5 MONKEYPOINTS

**BONUS
JOB**

**ELDERLY
CARE**
special offer on now!

5 MONKEYPOINTS

You're late!
Better hurry for a
good rating

I'm going as fast
as I can

Have you tried
running? It's
healthy and

ONGOING CALL WITH INSPIRATION GURU



SYSTEM UPDATES
AVAILABLE

3 NEW MESSAGES

Marly Lopez
Camilo Alvarez

push here to open your inbox

GET
OFF
NOW

POINTS MANAGER

**JOB
MONKEY
LEVEL
4**

LEVEL
23

medellin



Proof of ownership and a marketplace for sales and purchase of digital assets

Company: MyPowers

Enables authenticity of a review through trustworthy endorsements for employee peer review

Company: TRST.im

Decentralized prediction platform for the share markets, politics etc

Company: Augur

Decentralized patient records management

Company - BitHealth (Healthcare IT)

Proof of ownership for digital content

Arts, pictures and images

Companies: Blockai, Bitproof, ascribe, Artplus

Other companies: Chainy.Link, Stampery

Digitizing assets: Improves anti-counterfeit measures

Consumer electronics, Automotive

Degree Verification

Companies: The Real McCoy, ChainLink

Company: Degree Of Trust

Other companies: Everpass, BlockVerify

Provides digital identity that protects consumer privacy

Internet, car locks: Onename

Customer identification: Trustatom

Elections Voting: Follow My Vote

Enables authenticity of a review

Helps users engage, share reputation and collect feedback
Company: The World Table

Through trustworthy endorsements
Company: Asimov

Decentralized internet and computing resources to every home and business

Company: ePlug

Digitizing company incorporations, transfer of equity/ownership and governance

Company: Otonomos

Proof of ownership of modules in app development

Company: Assembly

Proof of ownership for digital content storage and delivery

Companies: Blocktech (Alexandria), Bisantyum, Blockparti, The Rudimental, BlockCDN

Points based value transfer for ride sharing

Company - La'Zooz

Digital security trading: ownership and transfer

Companies: Symbiont, Mirror, Spritzle, Secure Assets, BitShares, Coins-e, equityBits, DXMarkets, MUNA

Digitization of documents/contracts and proof of ownership for transfers

Company: Colu (Colored Coins)

Decentralized storage using a network of computers on blockchain

Company: Storj

Decentralized IoT

Home automation: Chimera-inc.io

Industries: Filament

Provides digital identity that protects consumer privacy

Companies: Sho Card, Uniquid

Escrow/Custodian service

Gaming industry

Companies: PlayCoin, Bitnplay

Gaming industry and loan servicing

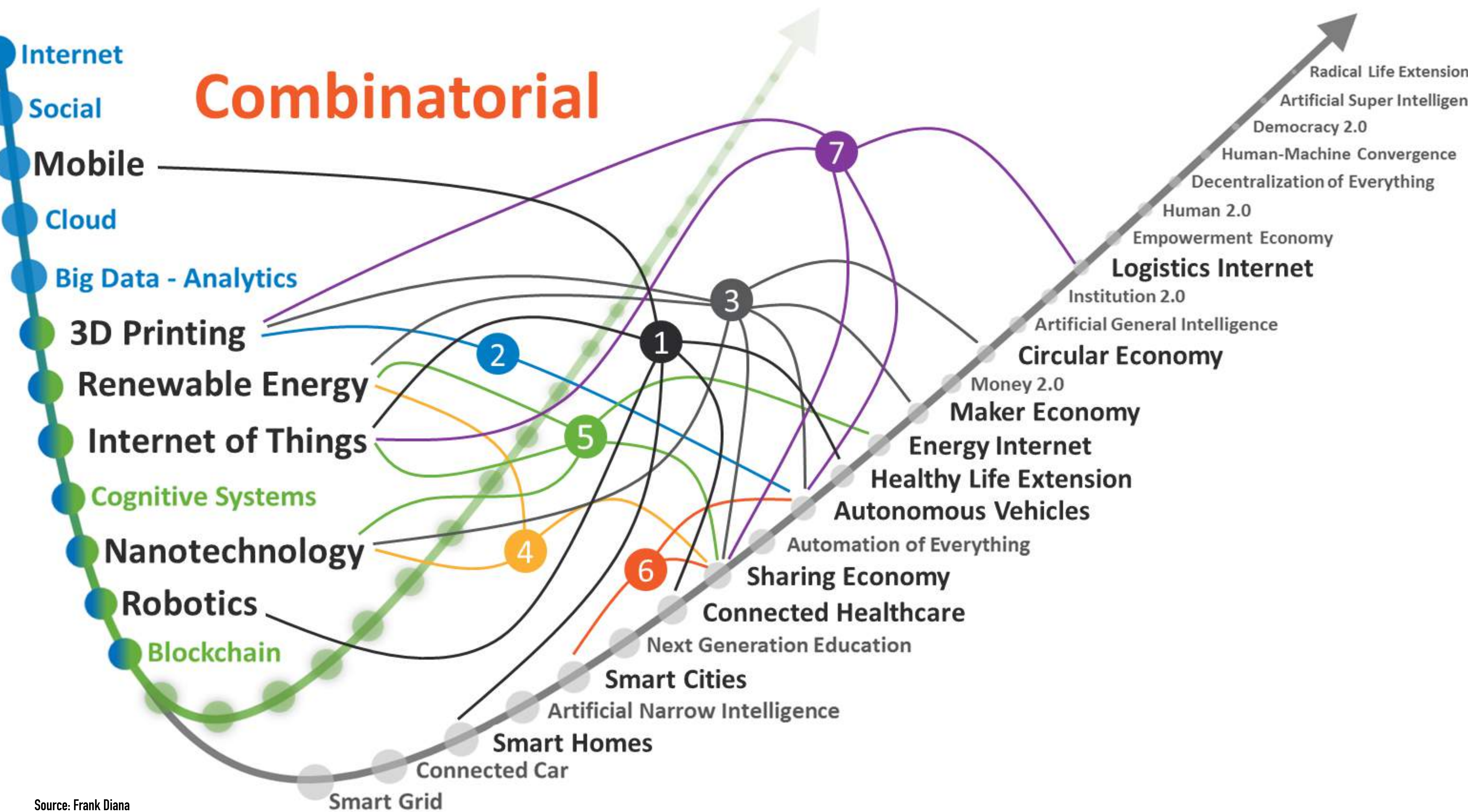
Company: New System Technologies

E-commerce

Company: Fundrs.org

A smart contract IT portal executing order fulfilment in ecommerce/manufacturing

Company: UbiMS

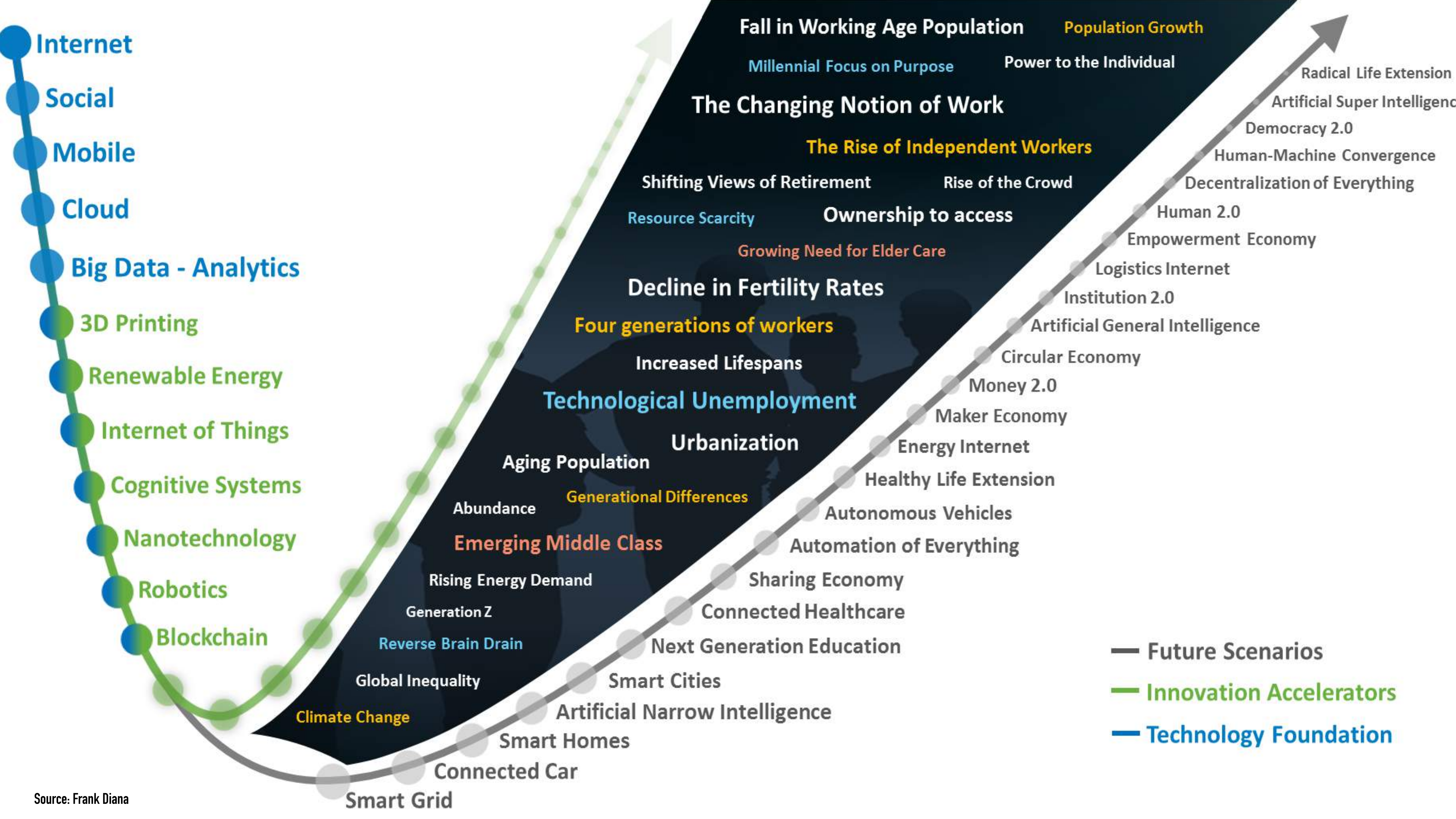


A green Amazon Fresh shopping bag with a white polka-dot ribbon tied around the top. The bag features the Amazon Fresh logo, which includes the word "amazon" in white lowercase letters with a red apple icon replacing the letter "o", and the word "fresh" in white lowercase letters below it. A white curved arrow underlines the word "amazon".

amazon fresh®

HOME GROCERY DELIVERY and much more!

amazonfresh.com





Crucial: hybrid thinking and leading: 1) what is today 2) what might be tomorrow

The 10 ations and their impact on your business

Digitisation

Mobilisation

Screenification

Disintermediation

Automation

Intelligisation

Personalisation

Anticipation

Virtualisation

Robotisation



**HR is no
longer about
CONTROL**

Empower

/em-pow-er/

def: Give someone the authority or
power to do something. Most often
used in a work or legal environment



Which segment will you focus on?
Where are the low-hanging fruits?
Which sector is a natural fit for you?

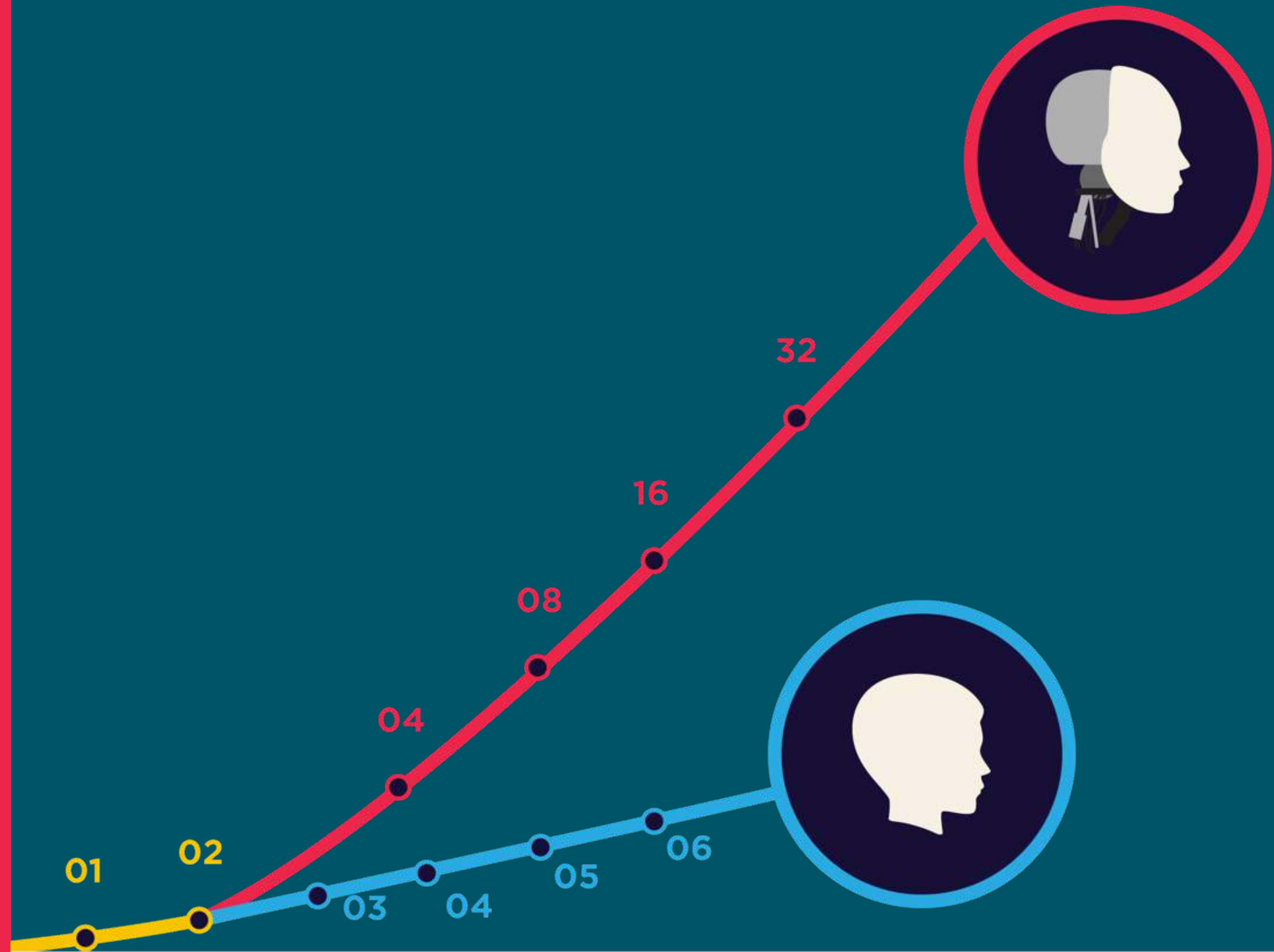
Now
Now
Now
Now
Soon
Now

- Quantum Computing (or similar) +**
- Consumer / Patient / Client Empowerment +**
- Exponential Growth and Depth of Data +**
- Augmented, Virtual Reality, Holograms +**
- Cognitive Computing, AI, Deep Learning +**
- 3D Printing, On-Demand Manufacturing +**
- Internet of Things, Wearables, Sensors +**
- Personalised Medicine (Gene Editing) +**

.....

Opportunity-Challenges

Keep in mind:
Technology is
exponential but
Humans are
linear





COMPUTERS ARE

incredibly fast, accurate and stupid.

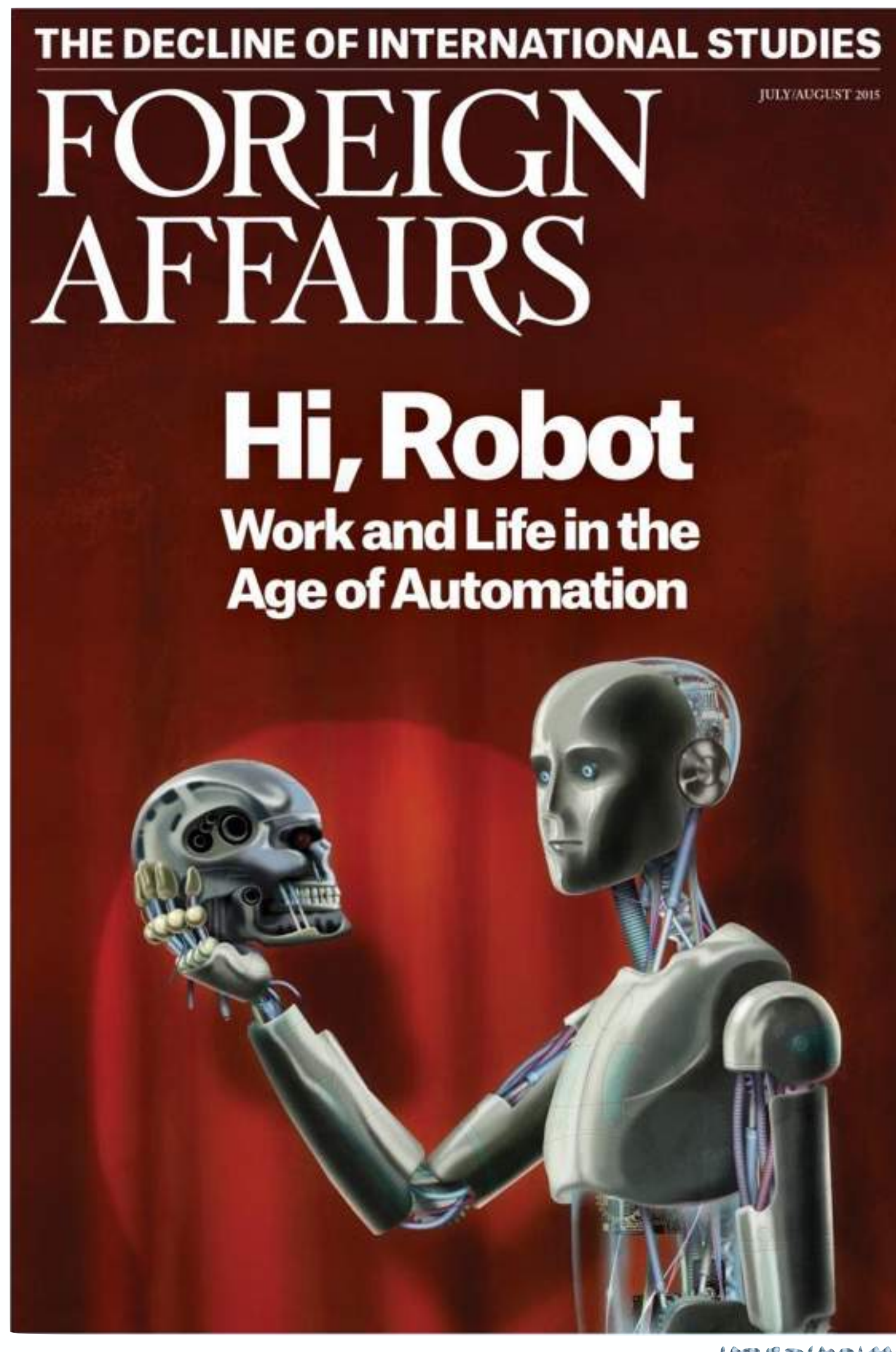
HUMAN BEINGS ARE

incredibly slow, inaccurate, and brilliant.

**TOGETHER THEY ARE POWERFUL
BEYOND IMAGINATION.**

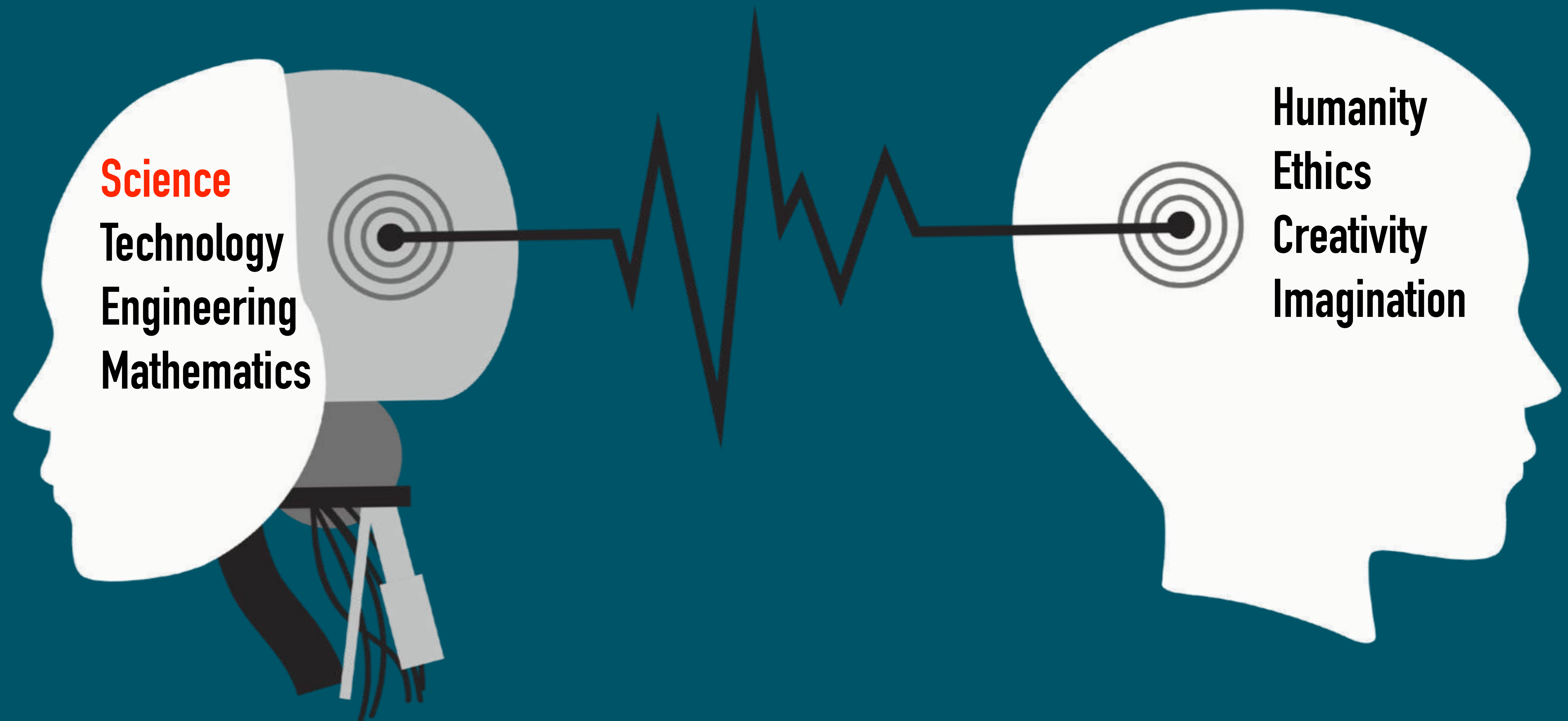


Huge ethical challenges everywhere



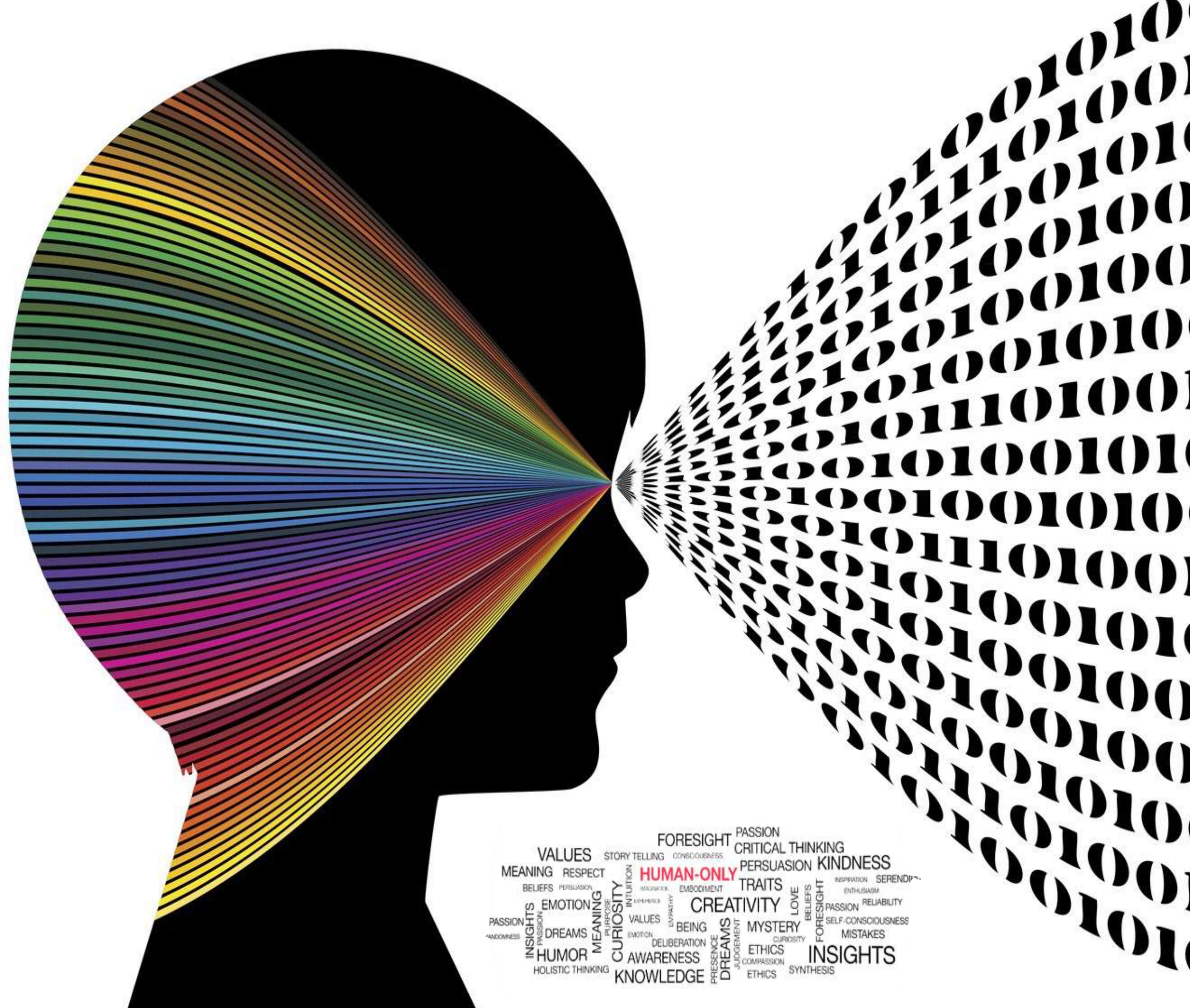


We need to spend just as much time and resources on the future of humanity as we spend on exponential technologies and STEM



S(TEM) skills and HECEI skills

...but anything
that cannot be
digitized or
automated will
dramatically
increase in
value

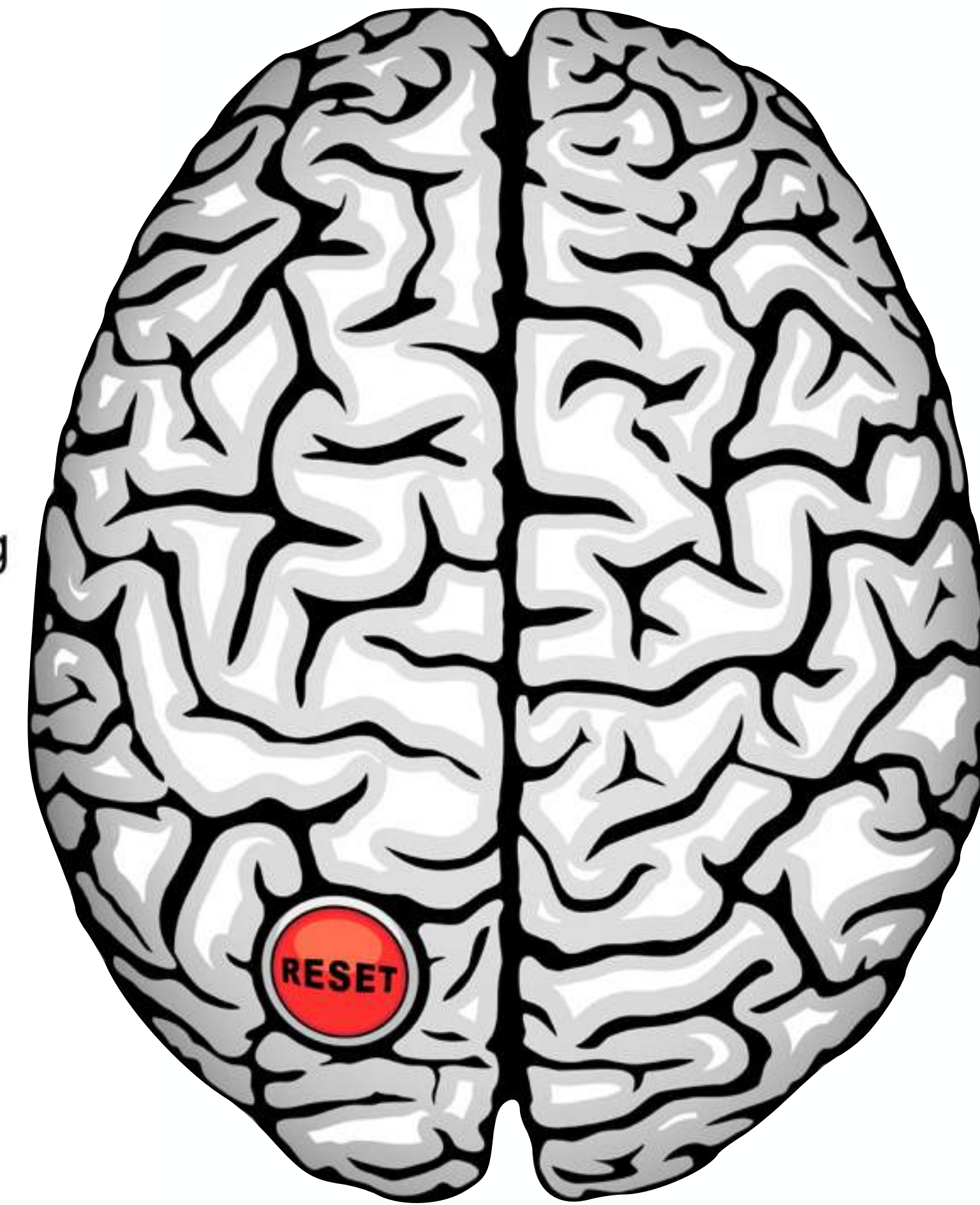
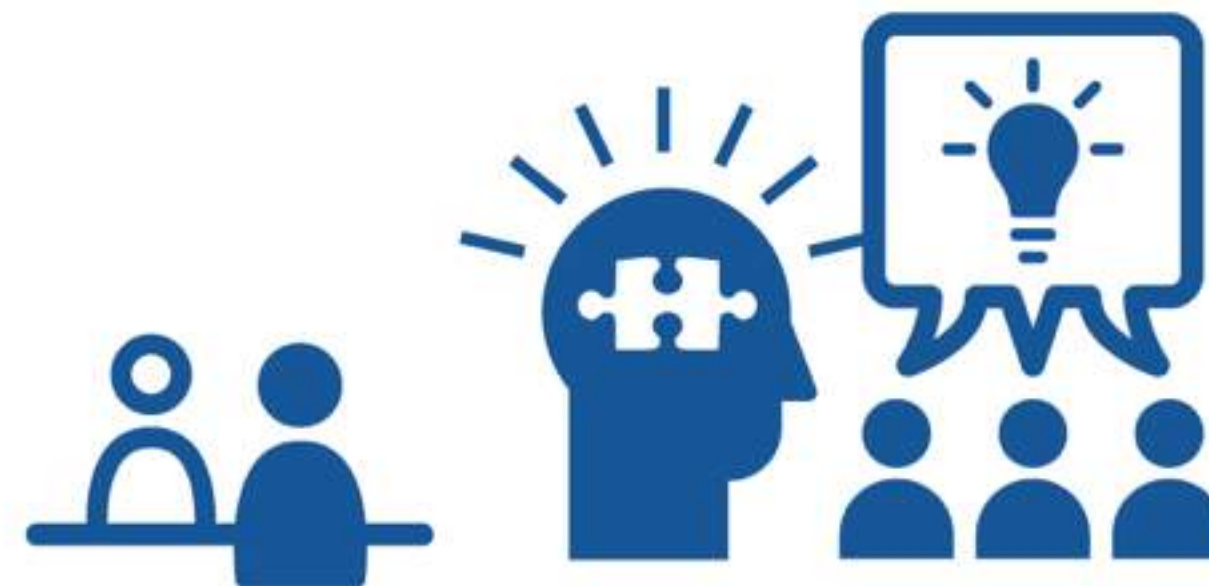
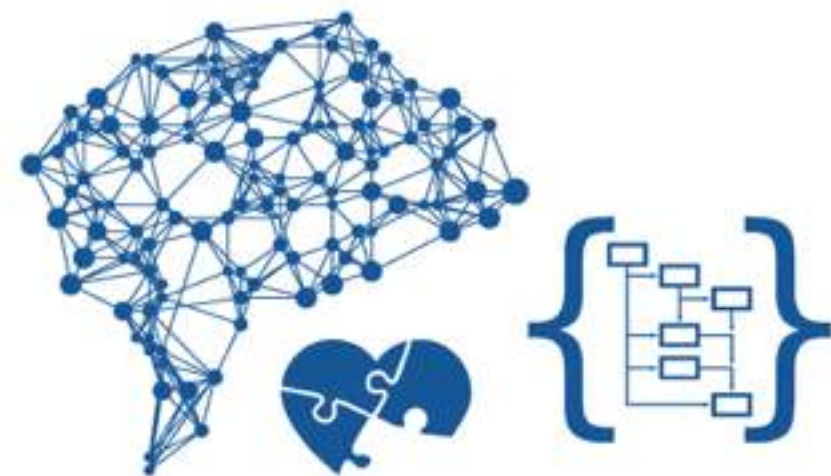


Be on 'Team Human' not on 'Team Robot'

in 2020

in 2015

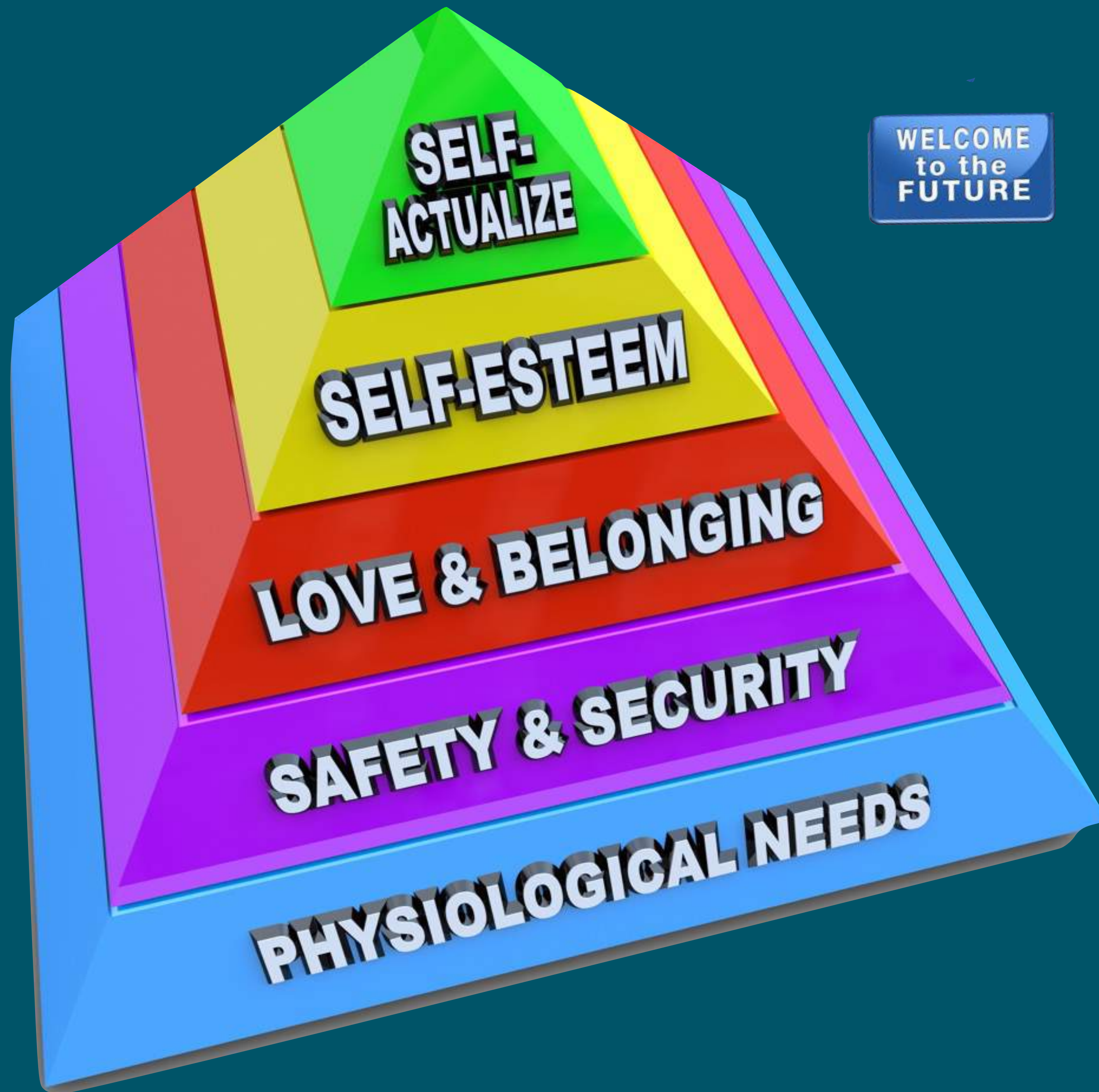
- | | | |
|---------------------------------|---|---------------------------------|
| 1. Complex Problem Solving | ↔ | 1. Complex Problem Solving |
| 2. Critical Thinking | ↔ | 2. Coordinating with Others |
| 3. Creativity | ↔ | 3. People Management |
| 4. People Management | ↔ | 4. Critical Thinking |
| 5. Coordinating with Others | ↔ | 5. Negotiation |
| 6. Emotional Intelligence | ↔ | 6. Quality Control |
| 7. Judgment and Decision Making | ↔ | 7. Service Orientation |
| 8. Service Orientation | ↔ | 8. Judgment and Decision Making |
| 9. Negotiation | ↔ | 9. Active Listening |
| 10. Cognitive Flexibility | ↔ | 10. Creativity |



ETHICS MORAL PHILOSOPHY

THESE

The Internet of 'Meaningful' Things



Meaning
Experiences
Services
Products

Socratic Design



future scenarios

collaborative
interactive
inintelligence

COOPERACION

Strong teamwork. Classical science. Business school. Good communication. Social policy. Democracy. Fixed roles.

ART of SOCIAL BUSINESS

Starts from values. Sharing all ideas. Listening to the tacit knowledge. Intelligence down up. Users in value relation. Creating culture and morals. No fixed departments.

knowledge
transfer

knowledge
creation

CLASSICAL BUSINESS

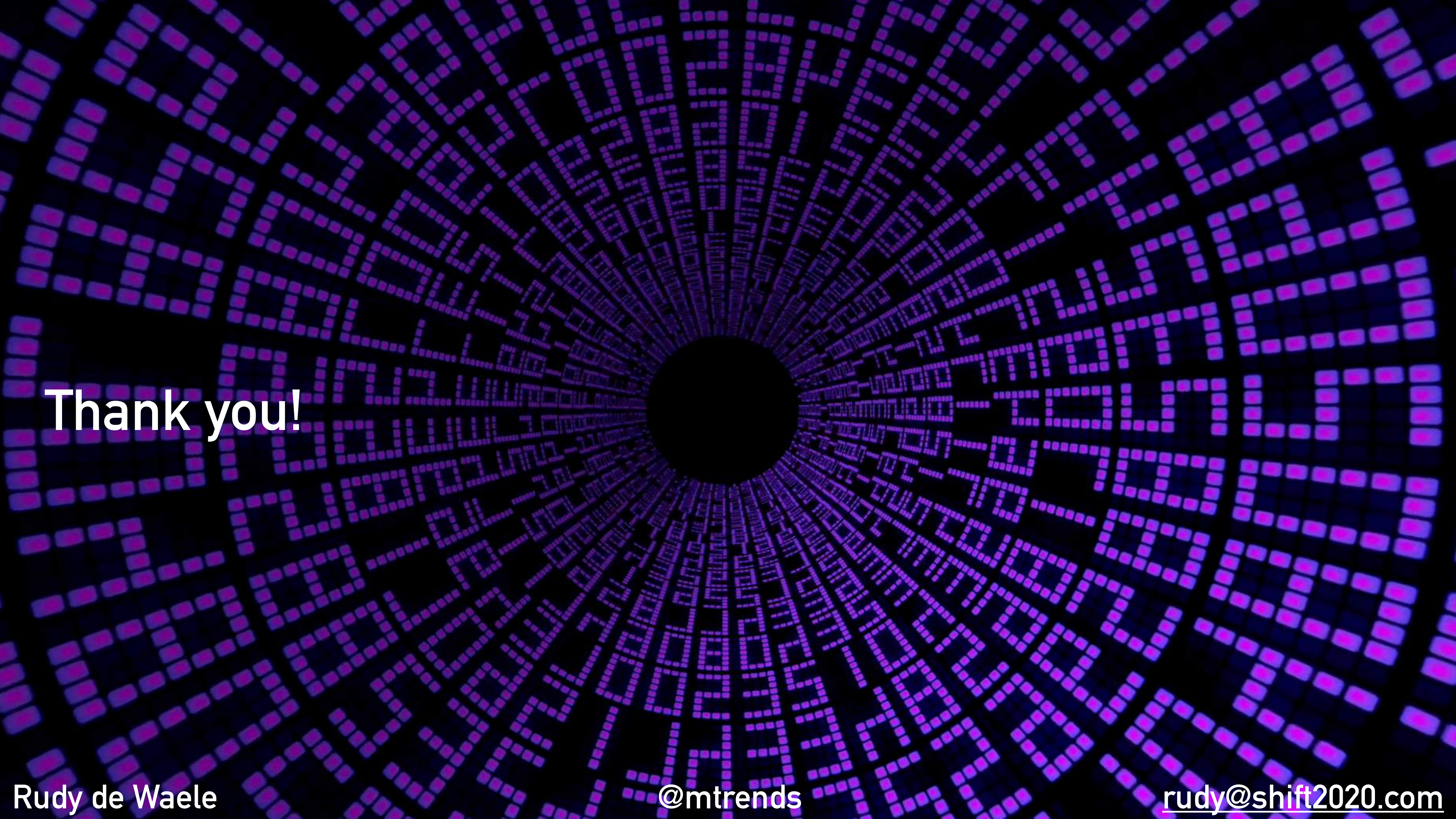
Top down. Fragmented departments. Intelligence at the top. Command control. Closed culture. Marketing. Success oriented.

INVENTOR

Unconventional creator. Out of the box. Genius. Creates new languages, new paradigms, Revolutionary. New values.

cogito

individual
ratio



Thank you!