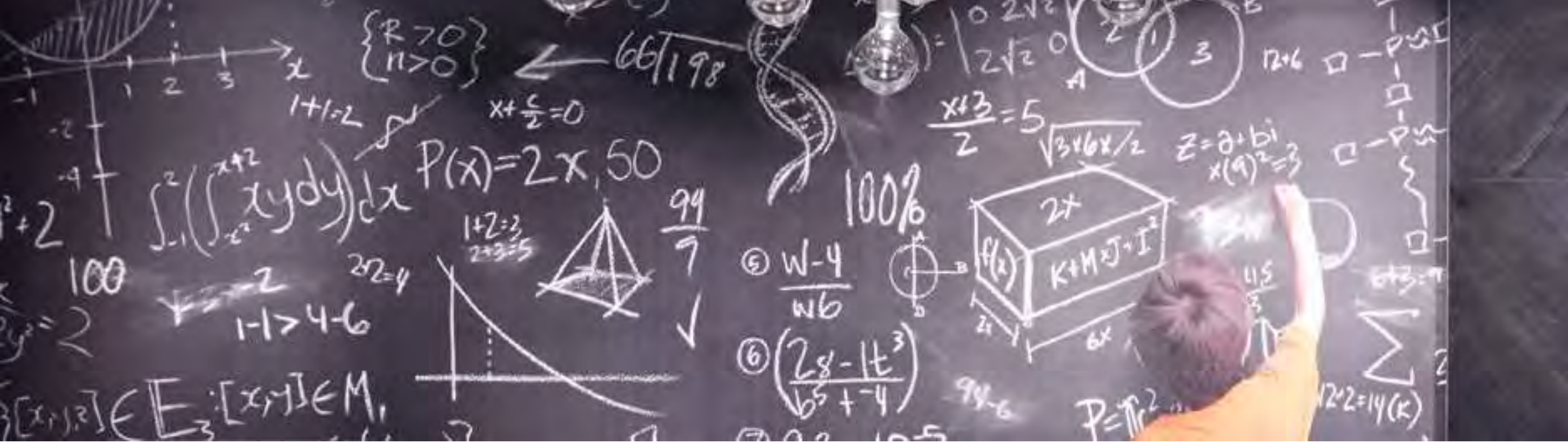

Stop the Spiral to Being OBSOLETE

What can we do to shape our collective future?

Presented by
Bradley Lukanic

CEO - CannonDesign

October 6, 2016

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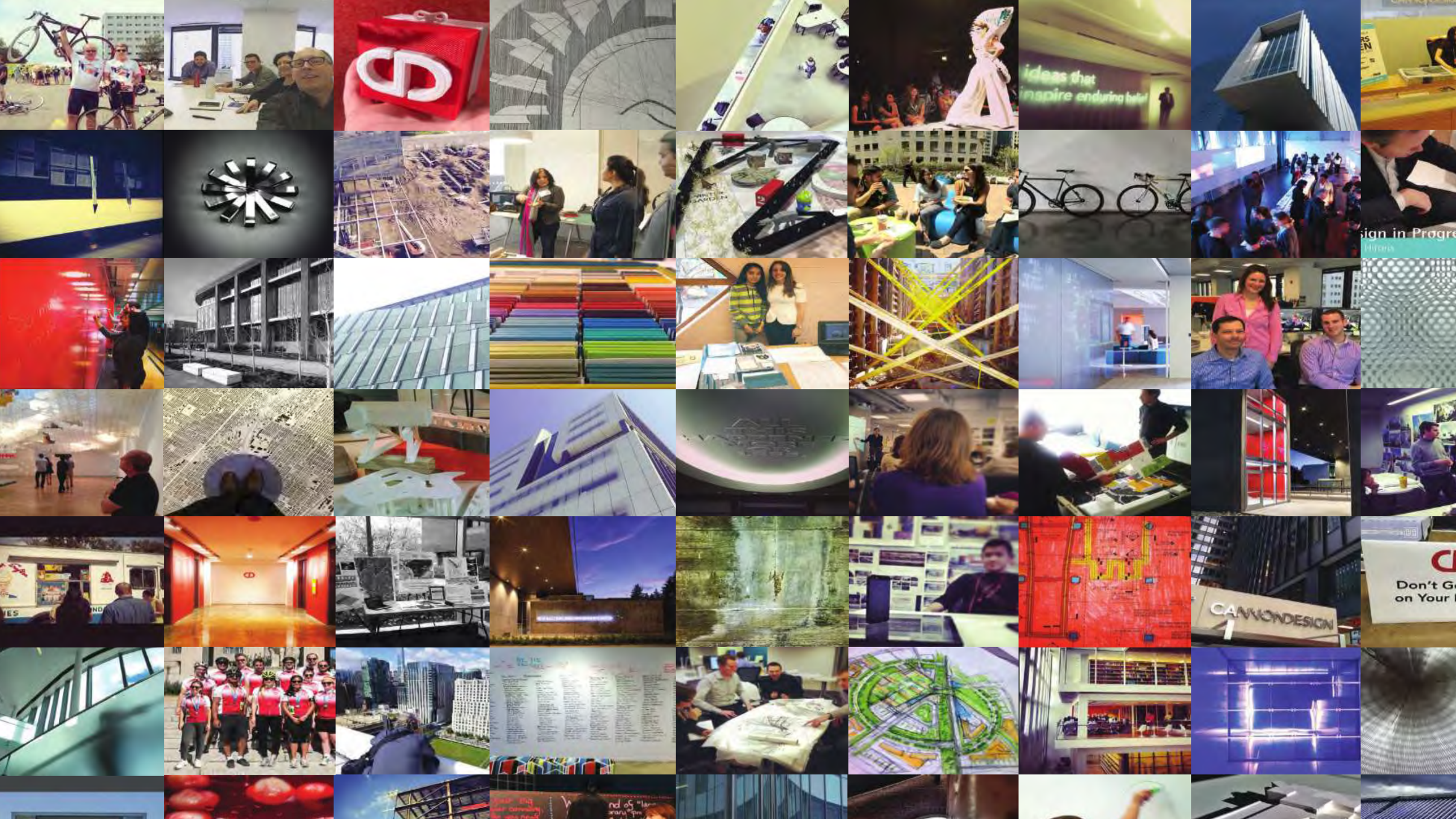
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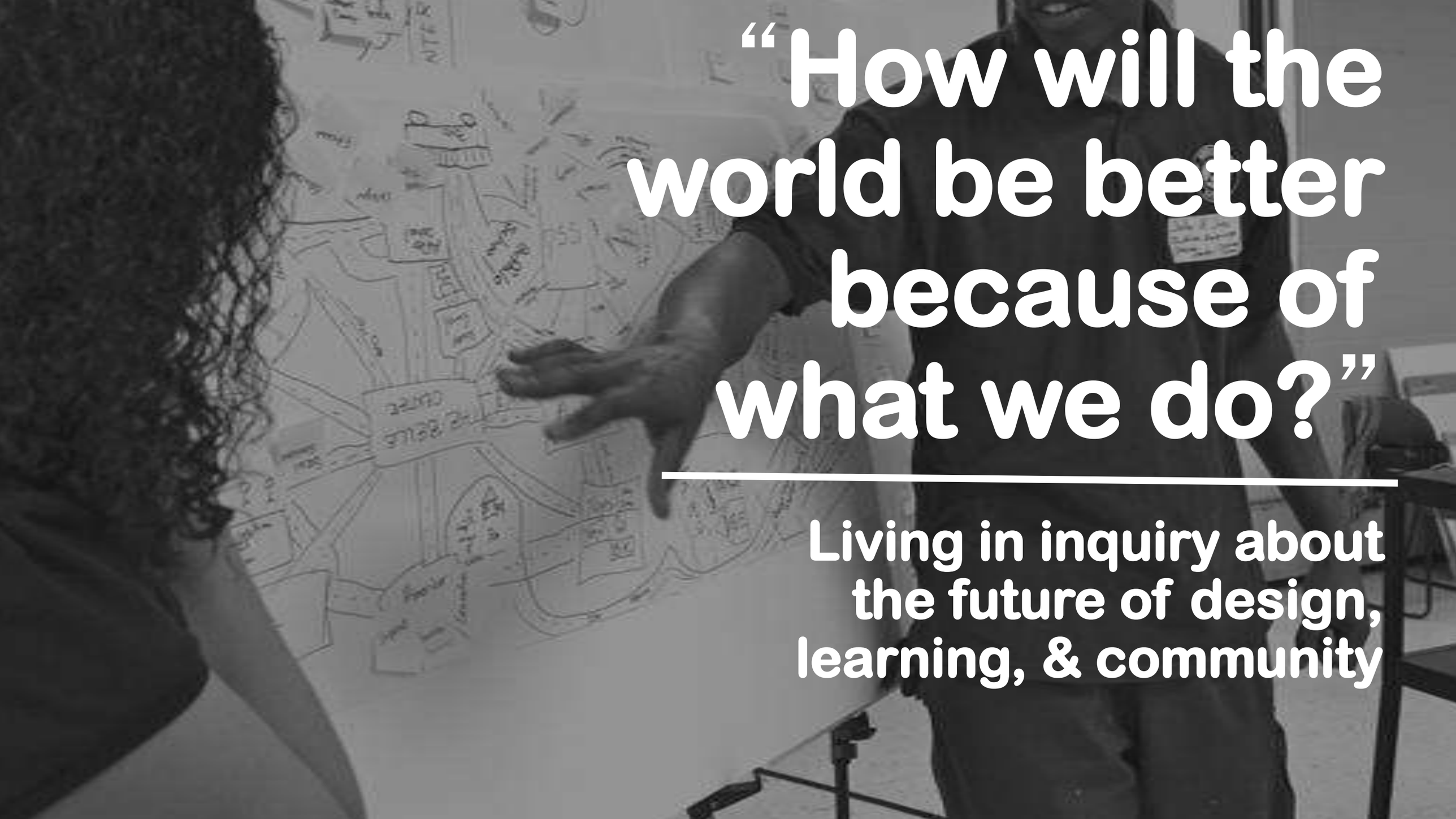

“How will the world be better because of what we do?”

Living in inquiry about the future of design, learning, & community

PLANNED OBSOLESCENCE

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https://en.wikipedia.org/wiki/Compaq_Portable

PDAs

Remember that trusty stylus? The once-awesome Palm Pilot had no chance with the advent of the Blackberry, and then, of course, the touch-screen smartphone.

More: Gadgets Features Mobile

CANNONDESIGN

- Business Insider 2009 – 21 things that became obsolete

R.I.P. Palm: A History of the Smartphone/PDA Pioneer

0 SHARES

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Palm, Inc.

Company

palm

Palm, Inc. was an American company that specialized in manufacturing personal digital assistants and other electronics. Wikipedia

Headquarters: Sunnyvale, CA

Founder: Jeff Hawkins

Founded: January 1992, United States of America

Ceased operations: 2010

Parent organization: TCL Corporation

Subsidiaries: Palm Canada Inc, Palm France SAS, Palm Europe, More

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Bell
Bell

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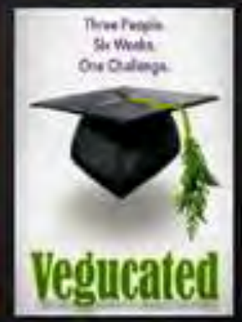
NETFLIX

New Releases



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world!
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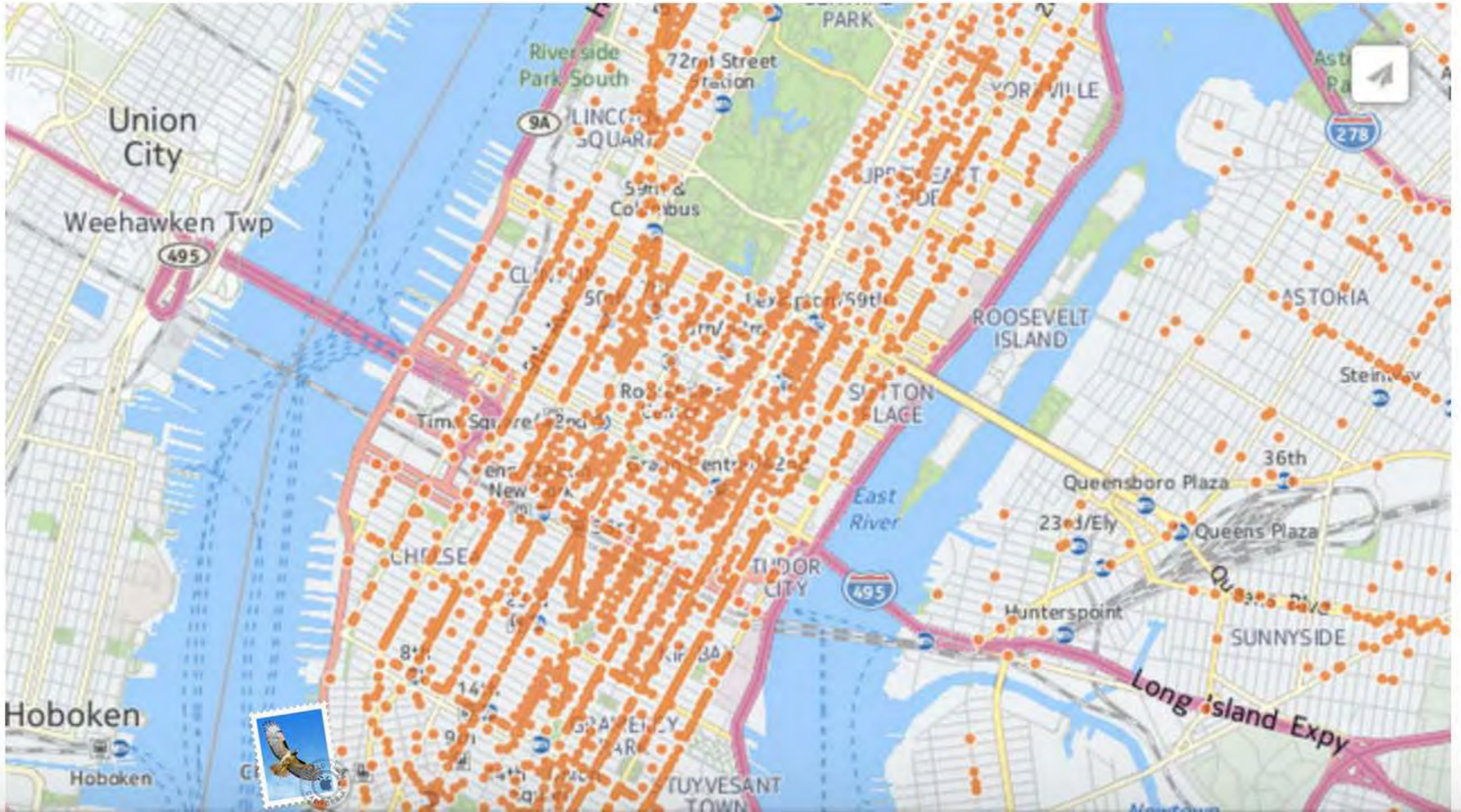
They are expected to bring $500 million in ad revenue to the City of New York over the next 12 years

http://silicon.nyc/local-business-advertising-linknyc-wifi/

LinkNYC is planning on having 7,500 kiosks by 2020 all over the 5 boroughs, neighborhood-targeted advertising has been a core part of LinkNYC's plan



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What kind of man owns his own computer?

Rather revolutionary, the whole idea of owning your own computer? Not if you're a diplomat, printer, scientist, inventor . . . or a kite designer, too. Today there's Apple Computer. It's designed to be a *personal* computer. To uncomplicate your life. And make you more effective.

It's a wise man who owns an Apple.

If your time means money, Apple can help you make more of it. In an age of specialists, the most successful specialists stay away from uncreative drudgery. That's where Apple comes in.

Apple is a real computer, right to the core. So just like big computers, it manages data, crunches numbers, keeps records, processes your information and prints reports. You concentrate on what you do best. And let Apple do the rest. Apple makes that easy with three programming languages—including Pascal—that let you be your own software expert.

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Time waiting for access to your company's big mainframe is time wasted. What you need in your department—on *your* desk—is a computer that answers only to you . . . Apple Computer. It's less expensive than timesharing. More dependable than distributed processing. Far more flexible than centralized EDP. And, at less than $2500 (as shown), downright affordable.

Visit your local computer store.

You can join the personal computer revolution by visiting the Apple dealer in your neighborhood. We'll give you his name when you call our toll free number **(800) 538-9696**. In California, **(800) 662-9238**.

Apple Computer, 10260 Bandley Drive, Cupertino, CA 95014.

apple computer

The New Tandy 3000

The difference is power ...and affordability.

Introducing the Tandy 3000 personal computer, the affordable alternative to the IBM® PC/AT. Here's the power you need to manage your business, to network computers, or to create a multiuser system.

Unmatched Compatibility

The Tandy 3000 uses the advanced MS-DOS 3.1 operating system. And since the Tandy 3000 is compatible with programs designed for the PC/AT, as well as the PC/XT, it cuts through today's software confusion. Choose from literally thousands of powerful applications.

Power to Share

The Tandy 3000 is designed to use the forthcoming XENIX 5.0 multiuser operating system. Two to six people can share the 3000's high speed and storage from low-cost data terminals. The Tandy 3000 is network ready, too.

High-Performance Design

The Tandy 3000 (25-4001, $2599) operates at twice the speed of the industry standard, has 512K of main memory (expandable to 640K on the main board), a high-capacity floppy disk drive, a serial/parallel adapter and ten expansion slots.

Or choose the Tandy 3000 HD (25-4010, $3599) with a built-in 20-megabyte hard disk drive for fast access to volumes of data.

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Prices apply at Radio Shack Computer Centers and at participating stores and dealers. Monitor and MS-DOS sold separately. IBM/Registered TM International Business Machines Corp. MS and XENIX/TM Microsoft Corp.

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By the Decades

1980’s

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By the Decades

1980’s

1990’s

By the Decades

1980’s

1990’s

2000’s

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By the Decades

1980’s

1990’s

2000’s

By the Decades

1980’s

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"My own IBM computer. Imagine that."

One nice thing about having your own IBM Personal Computer is that it's *yours*. For your business, your project, your department, your class, your family and, indeed, for yourself.

Of course, you might have thought owning a computer was too expensive. But now you can relax.

The IBM Personal Computer starts at less than $1,600* for a system that, with the addition of one simple device, hooks up to your home TV and uses your audio cassette recorder.

You might also have thought running a computer was too difficult. But you can relax again.

Getting started is easier than you might think, because IBM has structured the learning process for you. Our literature is in *your* language, not in "computerese." Our software *involves* you, the system *interacts* with you as if it was made to—and it was.

That's why you can be running programs in just one day. Maybe even writing your *own* programs in a matter of weeks.

For ease of use, flexibility and performance, no other personal computer offers as many advanced capabilities. (See the box.)

But what makes the IBM Personal Computer a truly useful tool are software programs selected by IBM's Personal Computer Software Publishing Department. You can have programs in business, professional, word processing, computer language, personal and entertainment categories.

You can see the system and the software in action at any ComputerLand® store or Sears Business Systems Center. Or try it out at one of our IBM Product Centers. The IBM Data Processing Division will serve those customers who want to purchase in quantity.

Your IBM Personal Computer. Once you start working with it, you'll discover more than the answers and solutions you seek: you'll discover that getting there is half the fun. Imagine that.

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*ADVANCED FEATURES FOR PERSONAL COMPUTERS

User Memory
16K - 256K bytes*

Permanent Memory
(ROM) 40K bytes*

Microprocessor
High speed, 8088*

Auxiliary Memory
2 optional internal diskette drives, 5¼", 160K bytes per diskette

Keyboard
83 keys, 6 ft. cord attaches to system unit*
10 function keys*
10-key numeric pad
Tactile feedback*

Display Screen
High-resolution (720h x 350v)*
80 characters x 25 lines
Upper and lower case
Green phosphor screen*

Diagnostics
Power-on self testing*
Parity checking*

Languages
BASIC, Pascal

Printer
Bidirectional*
80 characters/second
12 character styles, up to 132 characters/line*
9 x 9 character matrix*

Color/Graphics
Text mode
16 colors*
256 characters and symbols in ROM*
Graphics mode
4-color resolution: 320h x 200v*
Black & white resolution: 640h x 200v*
Simultaneous graphics & text capability*

Communications
RS-232-C interface
Asynchronous (start/stop) protocol
Up to 9600 bits per second

The IBM Personal Computer and me.

*The price applies to IBM Product Centers. Prices may vary at other stores.

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You can see the system and the software in action at any ComputerLand® store or Sears Business Systems Center. Or try it out at one of our IBM Product Centers. The IBM Data Processing Division will serve those customers who want to purchase in quantity.

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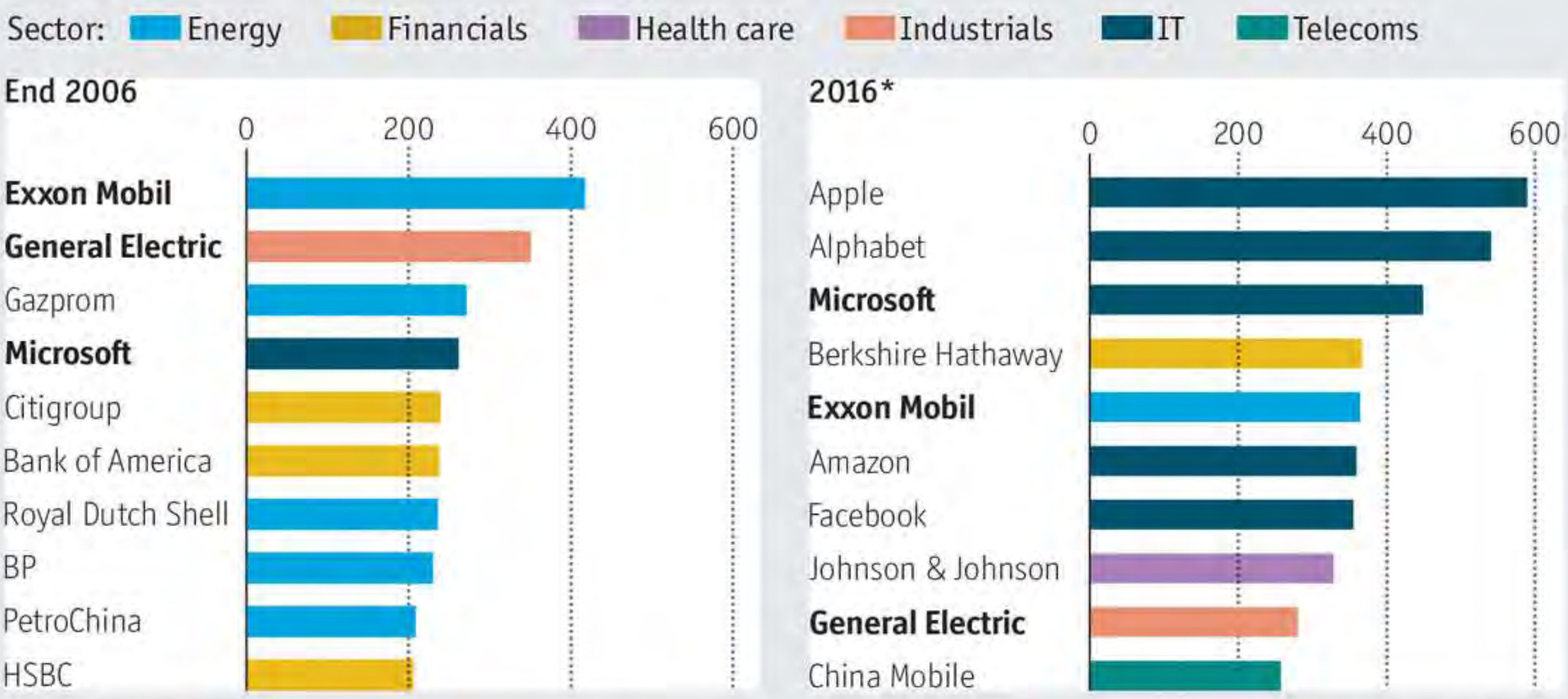


Source: Bloomberg

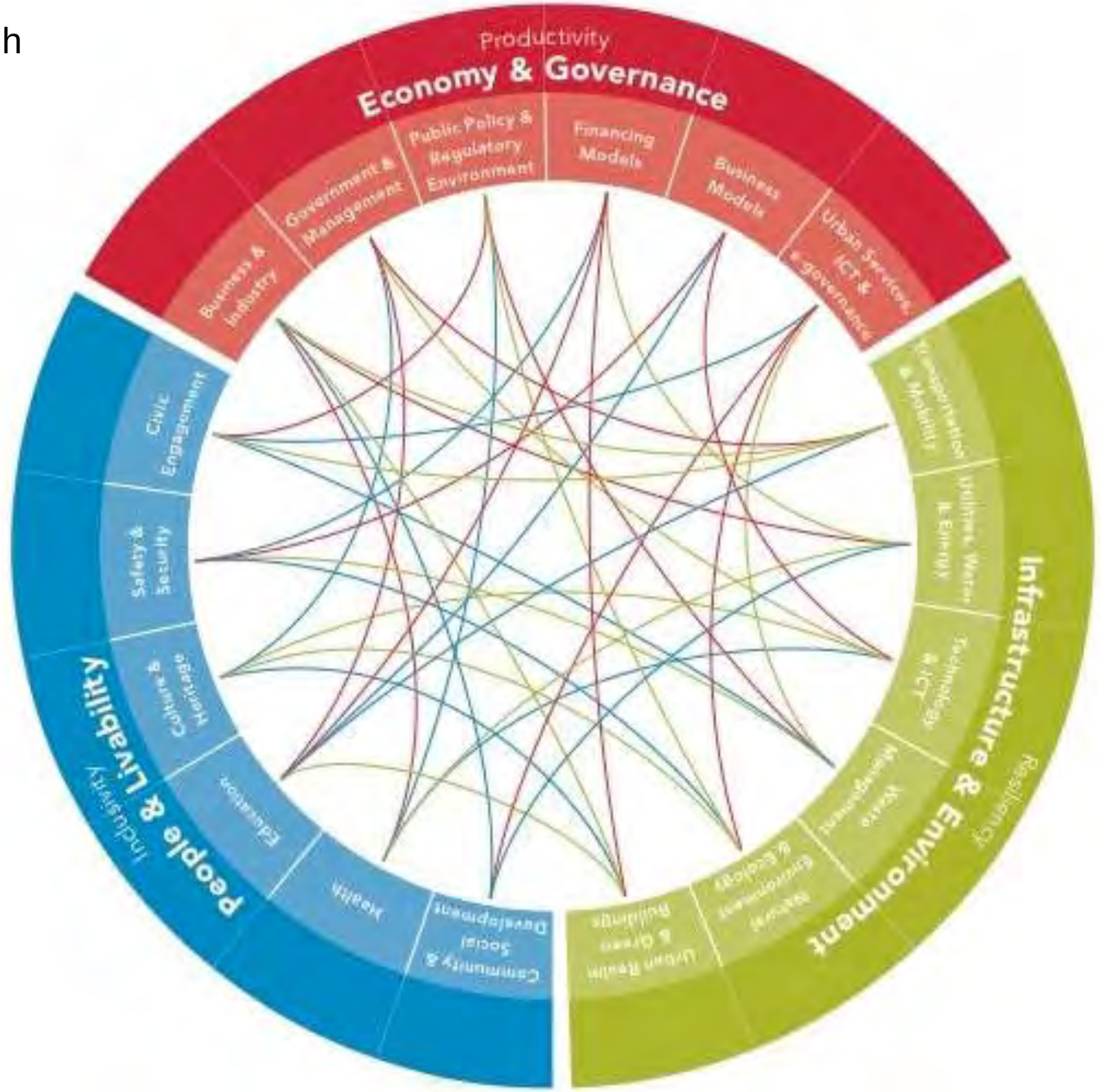
*At August 24th 2016

Economist.com

Share the advancement in and cross-pollination among education and industry, how evolved thinking and inspired leadership with a desire to change past business models transforms the built environment

Think different.

Multi-disciplinary Approach



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17 DNAtrium at Broad Institute
13 Entrepreneur Walk of Fame
11 Biotech pioneer
genzyme
14
12 Windows on the Charles
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18 Koch Institute for Cancer Research
15 Powering the Internet
Google
7 Cambridge Innovation Center
21 MIT Museum
8 Sloan School of Management
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LONGFELLOW BRIDGE
19 The Stata Center at MIT
10 Legoland, MIT style
Necco
20 Novartis and the candy factory
MIT
CHARLES RIVER
BOSTON
3 Thomas Edison & Alexander Graham Bell, neighbors
ETHER
4 John Collins Warren and the Ether Dome
5 MGH Museum of Medical History & Innovation
2 Thomas Edison almost blows up Old State House
6 Georges Doriot
Father of venture capital
digital
1 Lewis Latimer, inventor's inventor
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3	Vienna		Austria	1 NEXUS	56	EUROPE	EUROPE
4	Boston	Massachusetts	United States	1 NEXUS	56	AMERICAS	USA
5	Seoul		South Korea	1 NEXUS	55	ASIA	ASIA
6	New York	New York	United States	1 NEXUS	55	AMERICAS	USA
7	Amsterdam		Netherlands	1 NEXUS	55	EUROPE	EUROPE
8	Singapore		Singapore	1 NEXUS	54	ASIA	ASIA
9	Paris		France	1 NEXUS	54	EUROPE	EUROPE
10	Tokyo	Tokyo	Japan	1 NEXUS	54	ASIA	JAPAN

416	Tbilisi		Georgia	5 UPSTART	33	EMERGING	EURASIA
417	Donetsk	Donetsk Oblast	Ukraine	5 UPSTART	33	EMERGING	EURASIA
418	Addis Ababa		Ethiopia	5 UPSTART	32	EMERGING	AFRICA
419	Sevastopol	Sevastopol	Ukraine	5 UPSTART	32	EMERGING	EURASIA
420	Chittagong	Chittagong	Bangladesh	5 UPSTART	32	ASIA	ASIA
421	Zaporozhye	Zaporizhia Oblast	Ukraine	5 UPSTART	32	EMERGING	EURASIA
422	Phnom Penh, Cam	Phnom Penh	Cambodia	5 UPSTART	32	ASIA	ASIA
423	Simferopol	Crimea	Ukraine	5 UPSTART	32	EMERGING	EURASIA
424	Almaty		Kazakhstan	5 UPSTART	31	EMERGING	EURASIA
425	Nairobi		Kenya	5 UPSTART	31	EMERGING	AFRICA
426	Karachi		Pakistan	5 UPSTART	31	EMERGING	EURASIA
427	Bishkek		Kyrgyzstan	5 UPSTART	31	EMERGING	EURASIA
428	Madurai	Tamil Nadu	India	5 UPSTART	31	ASIA	INDIA
429	Bandung	West Java	Indonesia	5 UPSTART	31	ASIA	ASIA
430	Skopje		Macedonia, The Former Yugoslav Republic of	5 UPSTART	30	EUROPE	EUROPE
431	Dar es Salaam		Tanzania	5 UPSTART	30	EMERGING	AFRICA
432	Algiers		Algeria	5 UPSTART	30	EMERGING	AFRICA

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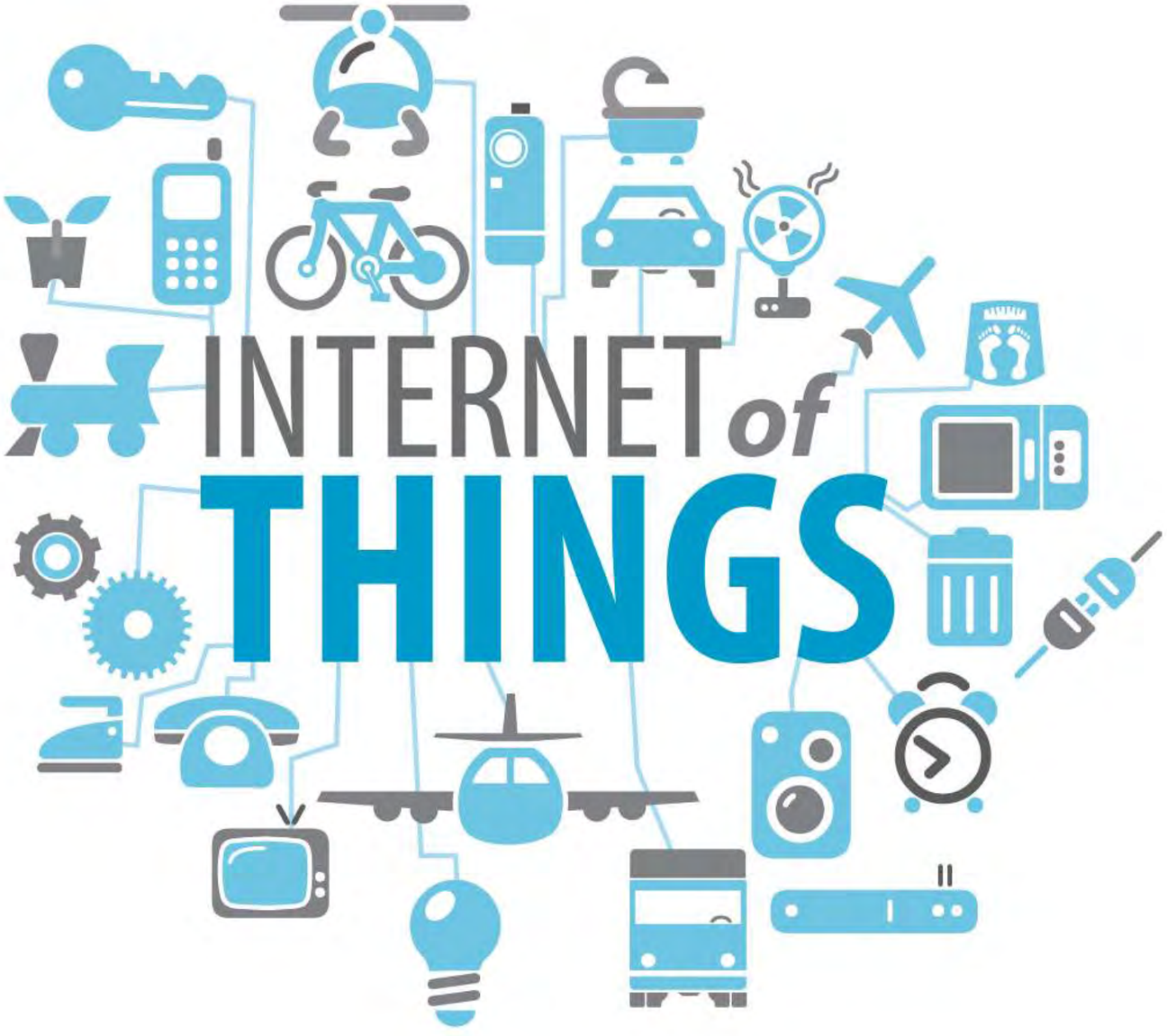
INTERNET of
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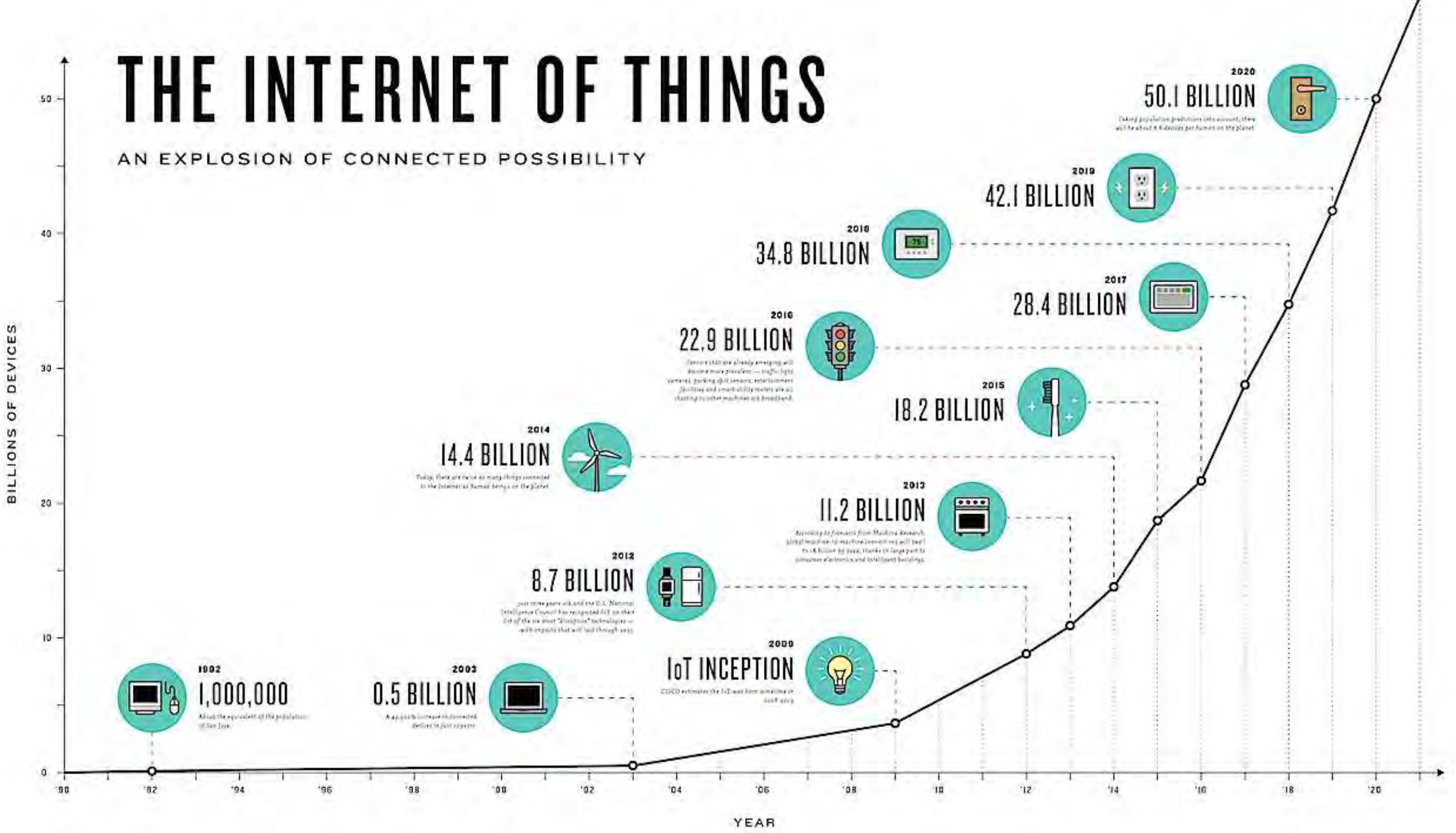
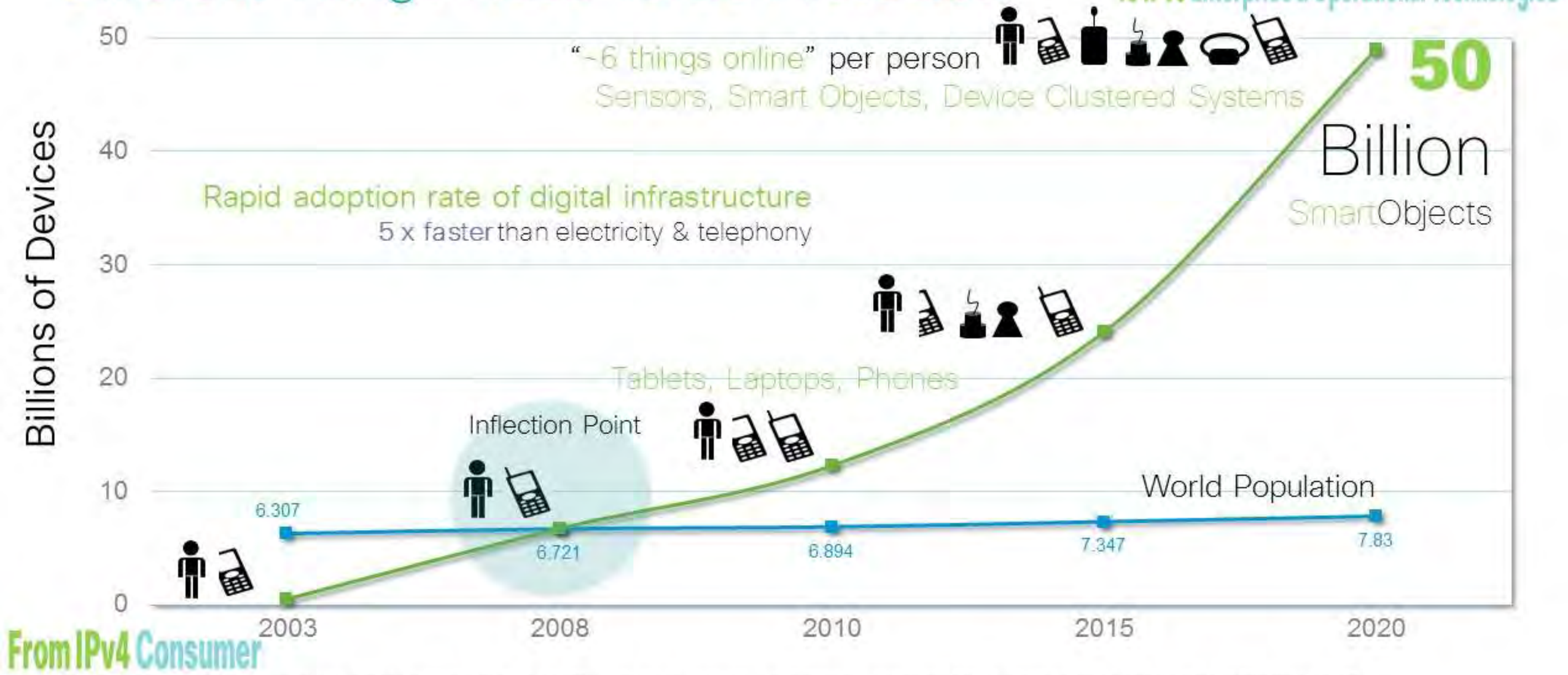
THE INTERNET OF THINGS

AN EXPLOSION OF CONNECTED POSSIBILITY



Different Things Need To Be Protected

To IPv6 Enterprise & Operational Technologies



From IPv4 Consumer

Source: Cisco IBSG projections, UN Economic & Social Affairs http://www.un.org/esa/population/publications/longrange2/WorldPop2300final.pdf

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Otto and Uber are joining forces with self-driving trucks and a new way to connect drivers and shippers.
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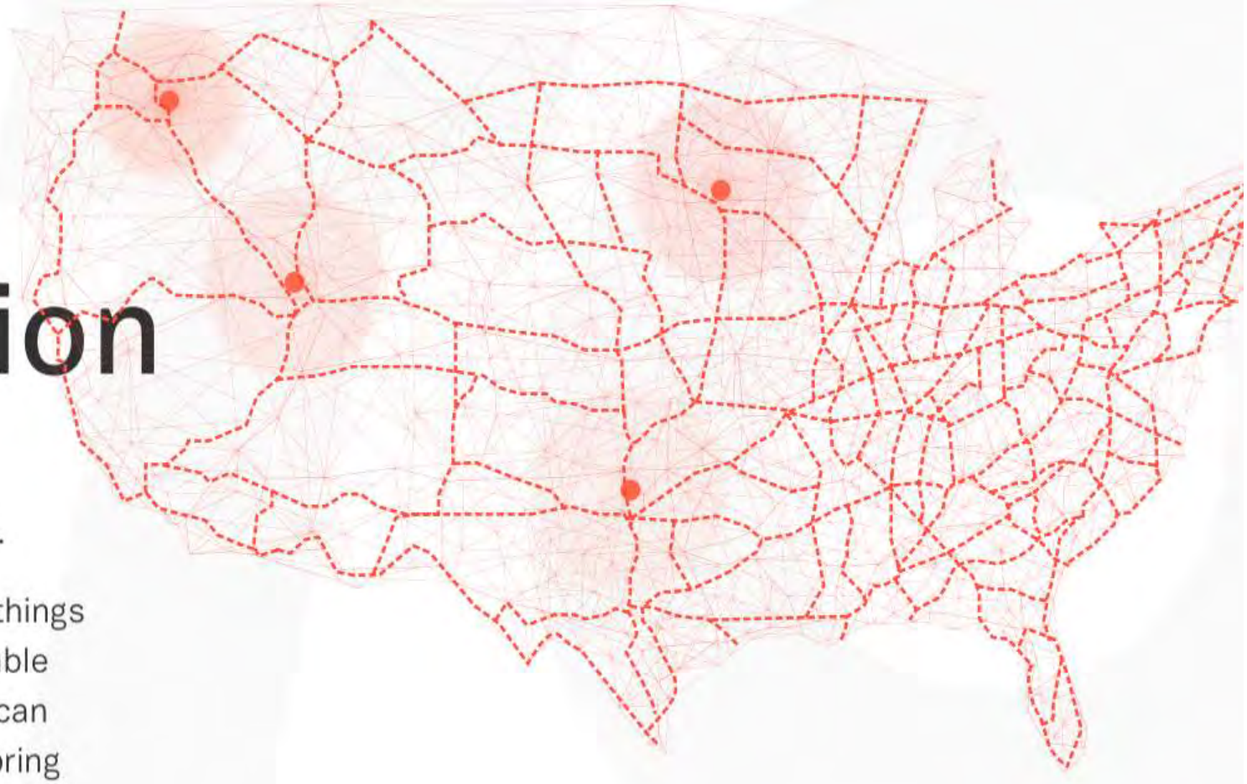
OUR VISION

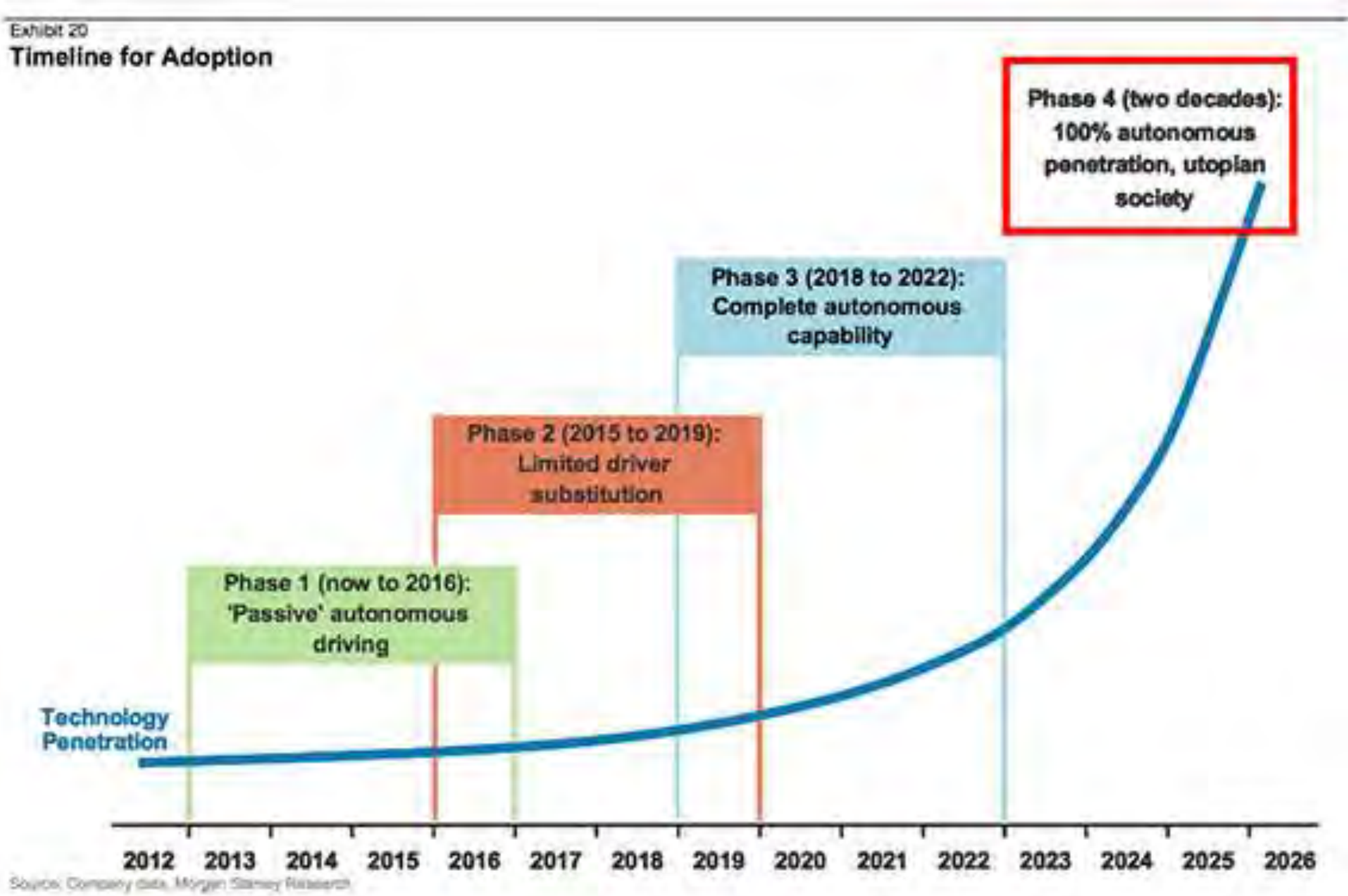
Rethinking Transportation

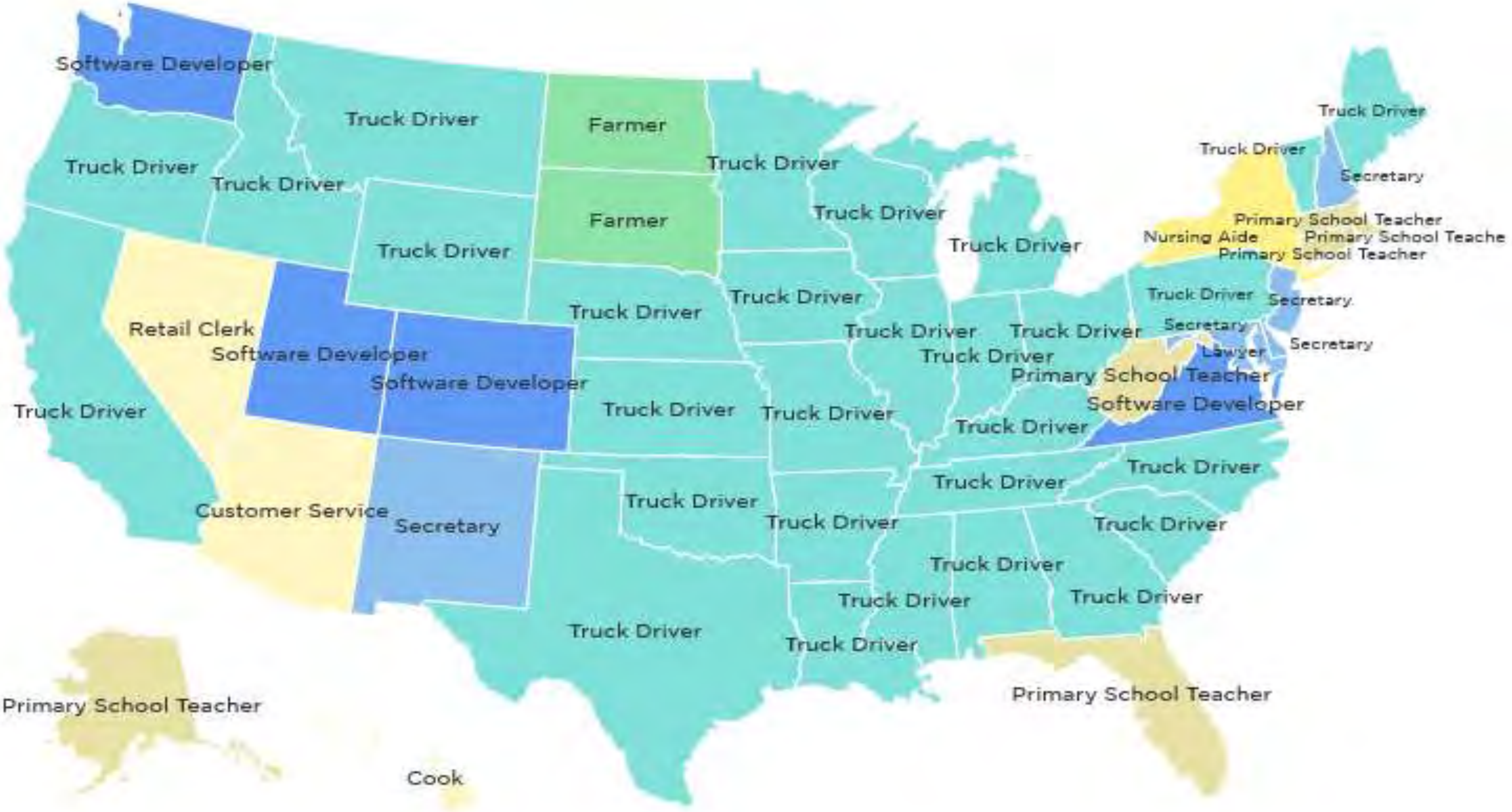


Otto is designing a new approach to modern transportation, starting with self-driving trucks.

Long-haul transit is vital for nearly 70% of the things we buy, yet hundreds of thousands of preventable trucking accidents happen each year on American highways. We believe it's our responsibility to bring safer, self-driving technology to the road.

A 2013 study reports that work automation will put 47% of existing jobs in the U.S. at "high risk."




Software Developer
Truck Driver
Farmer
Truck Driver
Truck Driver
Truck Driver
Truck Driver
Truck Driver
Farmer
Secretary
Truck Driver
Primary School Teacher
Nursing Aide
Primary School Teache
Truck Driver
Truck Driver
Primary School Teacher
Truck Driver
Truck Driver
Secretary
Retail Clerk
Truck Driver
Truck Driver
Secretary
Software Developer
Lawyer
Secretary
Truck Driver
Primary School Teacher
Software Developer
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Customer Service
Secretary
Truck Driver
Truck Driver
Truck Driver
Truck Driver
Truck Driver
Truck Driver
Truck Driver
Primary School Teacher
Primary School Teacher
Cook

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REPORT

AUGUST 6, 2014

AI, Robotics, and the Future of Jobs

BY AARON SMITH AND JANNA ANDERSON

Key Findings

The vast majority of respondents to the 2014 Future of the Internet canvassing anticipate that robotics and artificial intelligence will permeate wide segments of daily life by 2025, with huge implications for a range of industries such as health care, transport and logistics, customer service, and home maintenance. But even as they are largely consistent in their predictions for the evolution of technology itself, they are deeply divided on how advances in AI and robotics will impact the economic and employment picture over the next decade.

REPORT MATERIALS

Complete Report PDF

Key Shareable Findings

TABLE OF CONTENTS

Overview

Key Findings

About this Report and Survey

Predictions for the State of AI and Robotics in 2025

Now is the time to look at the world with new eyes

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TOTA ISTA PROVINCIA INVENTA EST PER MANDATVM REGIS CASTELLE
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Light Pollution

City-to-City Air Travel Connections

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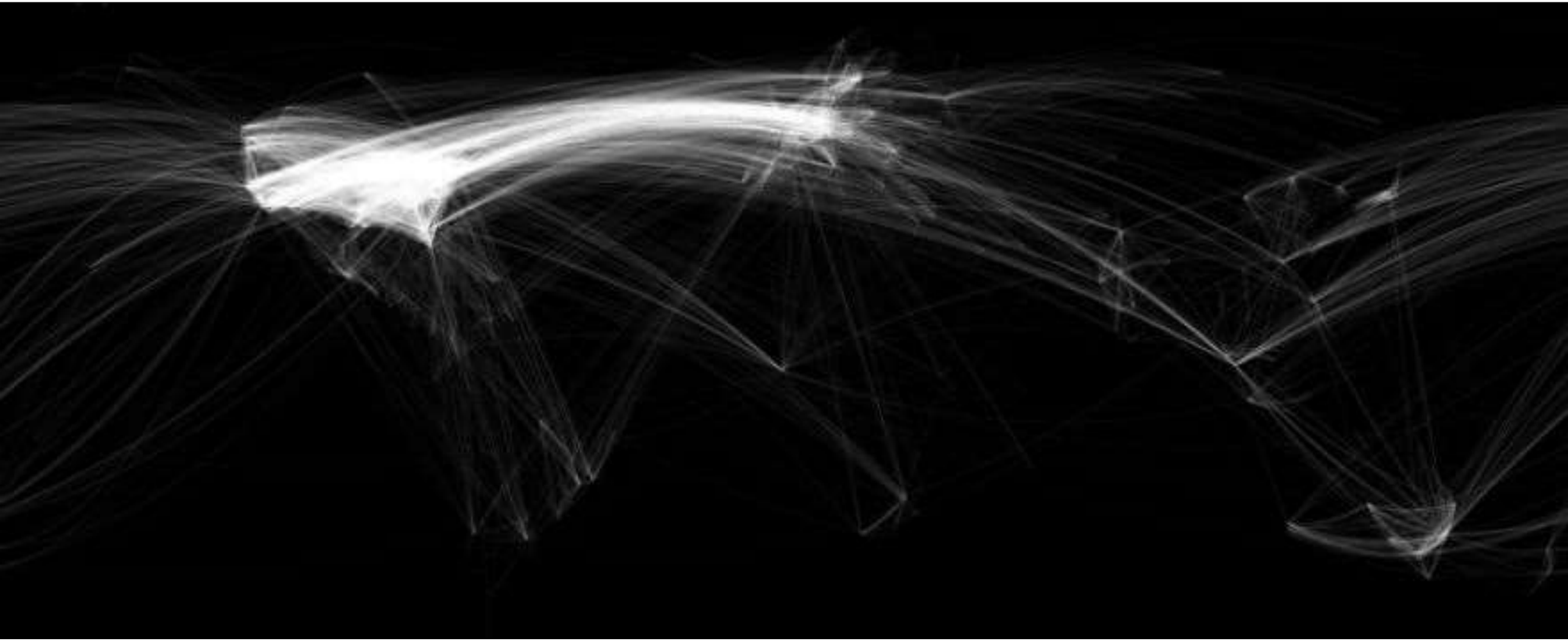
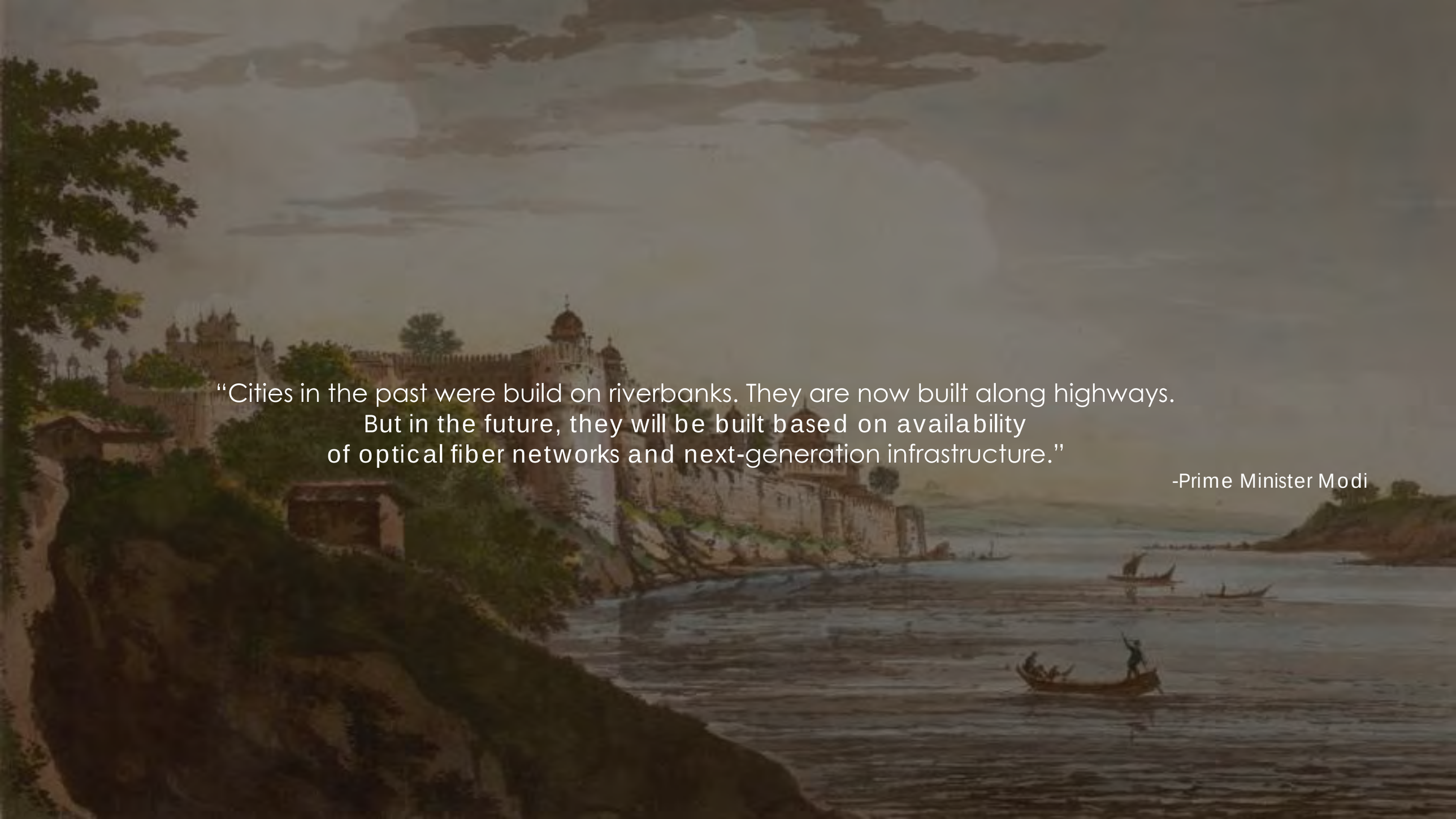
Internet Mapping



At this moment in the 21st Century, given the extraordinary development of human society and the complex planetary problems we are solving, everything we do is an opportunity for re-imagination and re-invention.

...It is a moment to shape a new experience



"Cities in the past were build on riverbanks. They are now built along highways.
But in the future, they will be built based on availability
of optical fiber networks and next-generation infrastructure."

-Prime Minister Modi

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BE FEARLESS.
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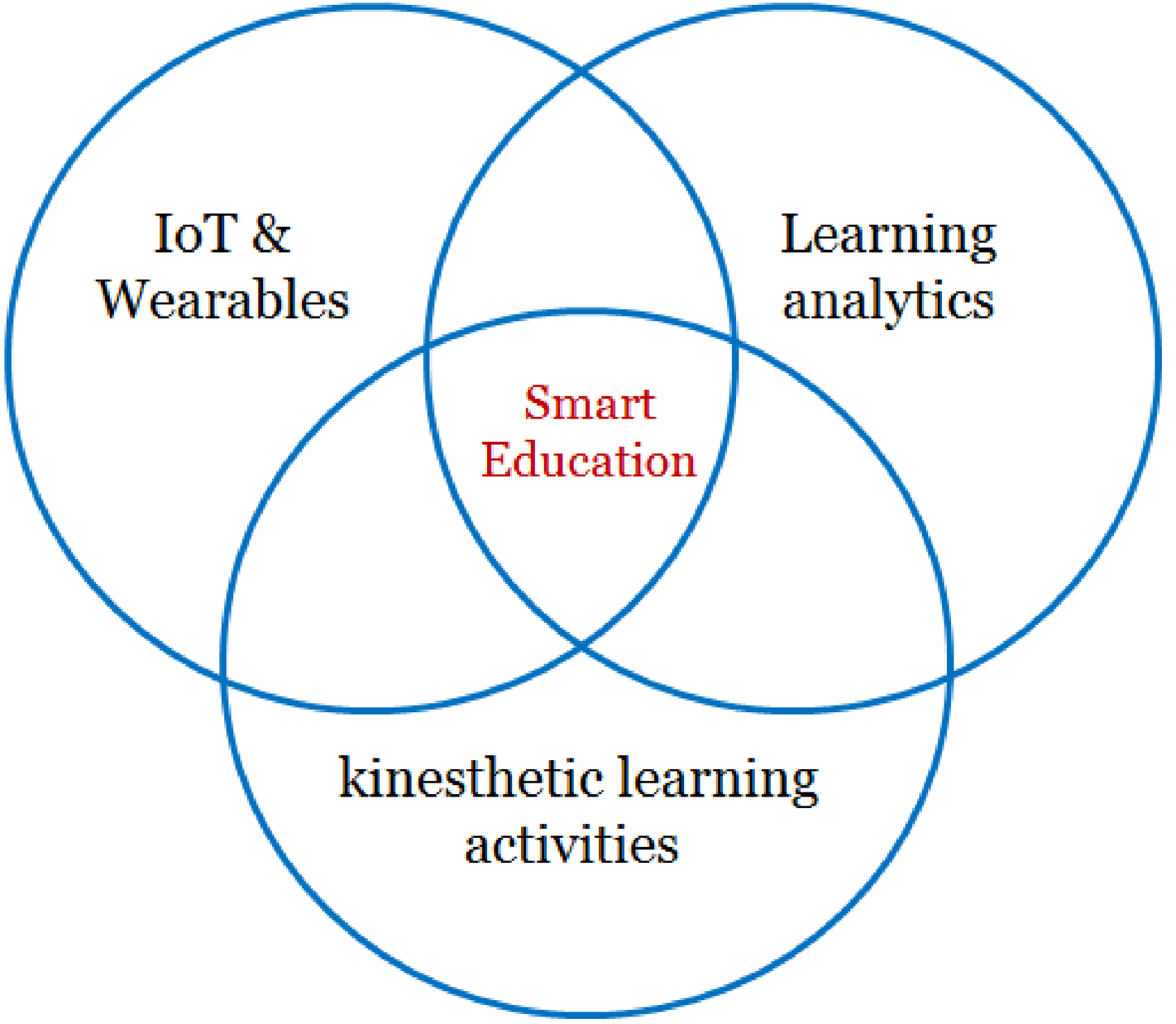
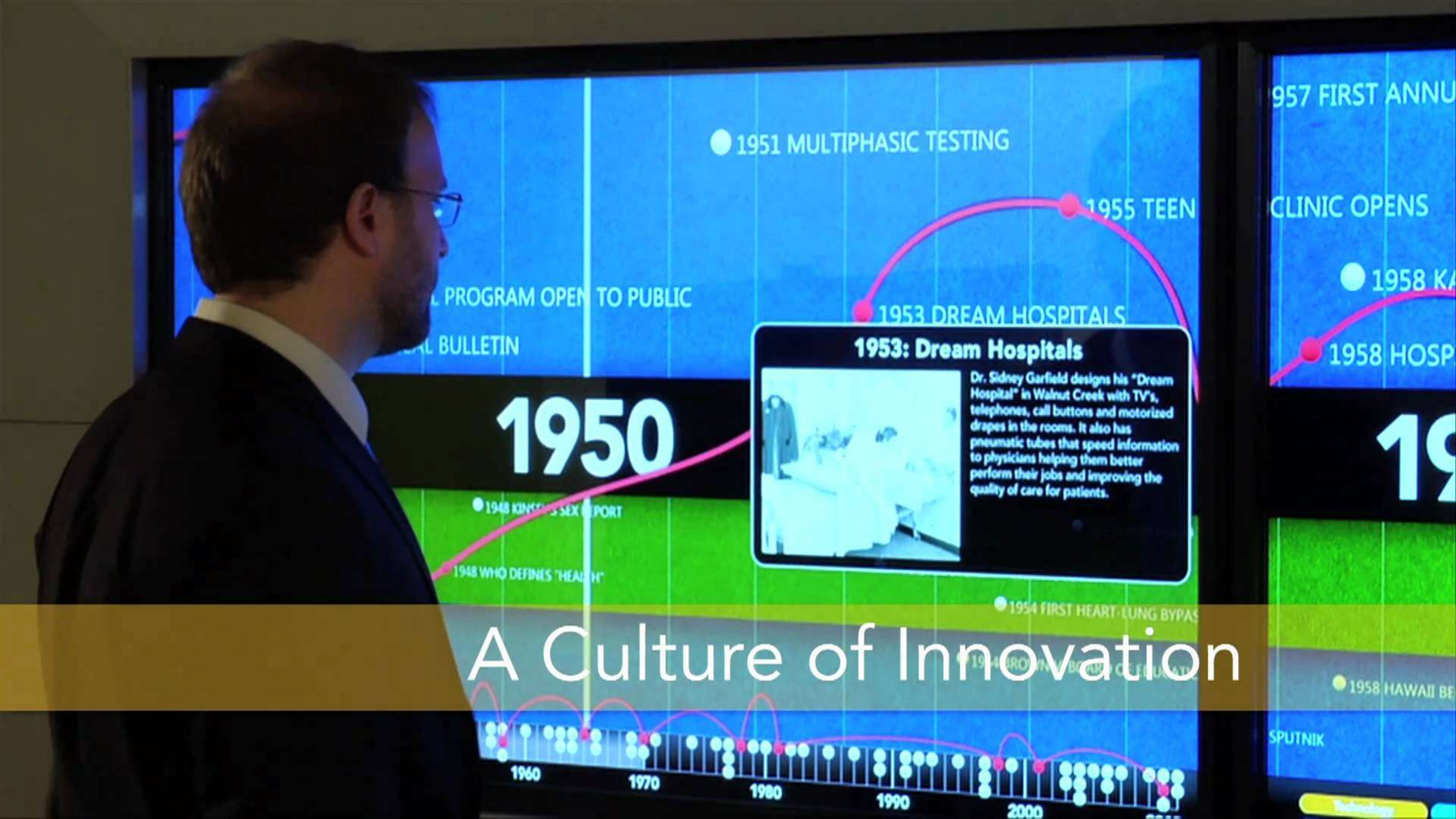
Van Vliet
Contrans


IoT &
Wearables
Learning
analytics
Smart
Education
kinesthetic learning
activities

KAISER
PERMANENTE®

CANNONDESIGN



A Culture of Innovation

SCREAM.
OU SCREAM.
E ALL SCREAM FOR GREEN BEANS.
KAISER PERMANENTE.

A MEDICAL
← Main Entr
Previous

FLU
SHOTS
TODAY!
nurse clinic
medkit
thrive
KAISER

THRIVE BAR

nurse clinic

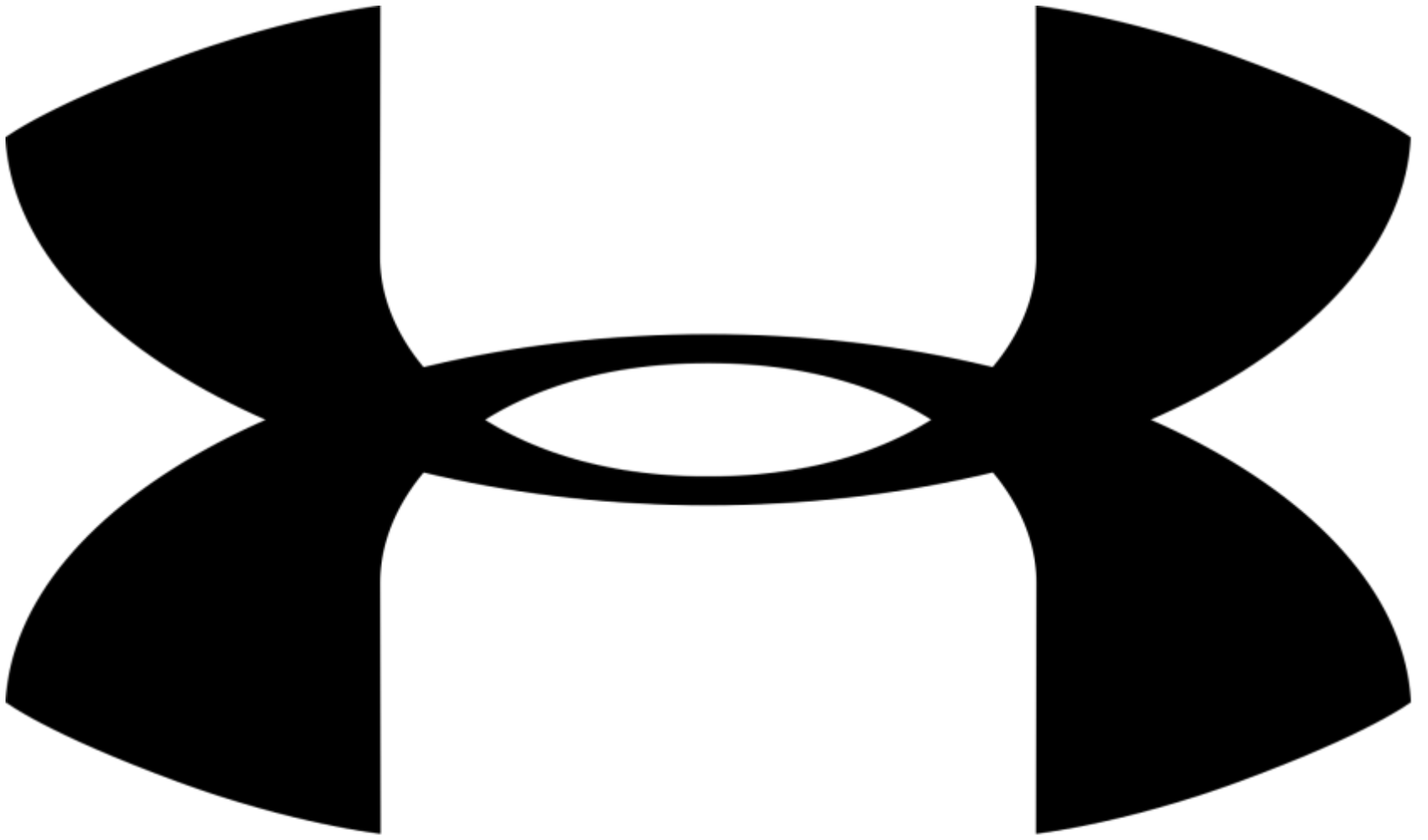
Los Angeles Times

MARCH 10, 2016, 5:35 PM

Kaiser Permanente is moving forward with its ambitious plan to open a medical school that's more in tune with new technologies and local communities.

"When you look at what's happening in the country today, healthcare has never gone through as much change as it has today," he said. "We believe that the way in which we deliver care has a lot of applicability for solving challenges of the future."

CANNONDESIGN



UNDER ARMOUR

INNOVATE

Kevin Plank Is Betting Almost $1 Billion That Under Armour Can Beat Nike

Kevin Plank built Under Armour into a $4 billion behemoth. He's just spent almost $1 billion to get into an entirely new business. Can this decade's most unlikely tech startup beat Nike?

BY TOM FOSTER *Editor-at-large, Inc.* @tomfoster2

We brought
SpeedForm Apollo
to the masses
USA

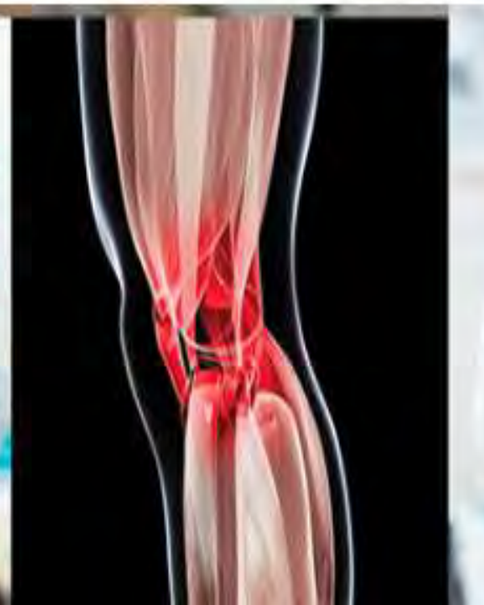
D3O

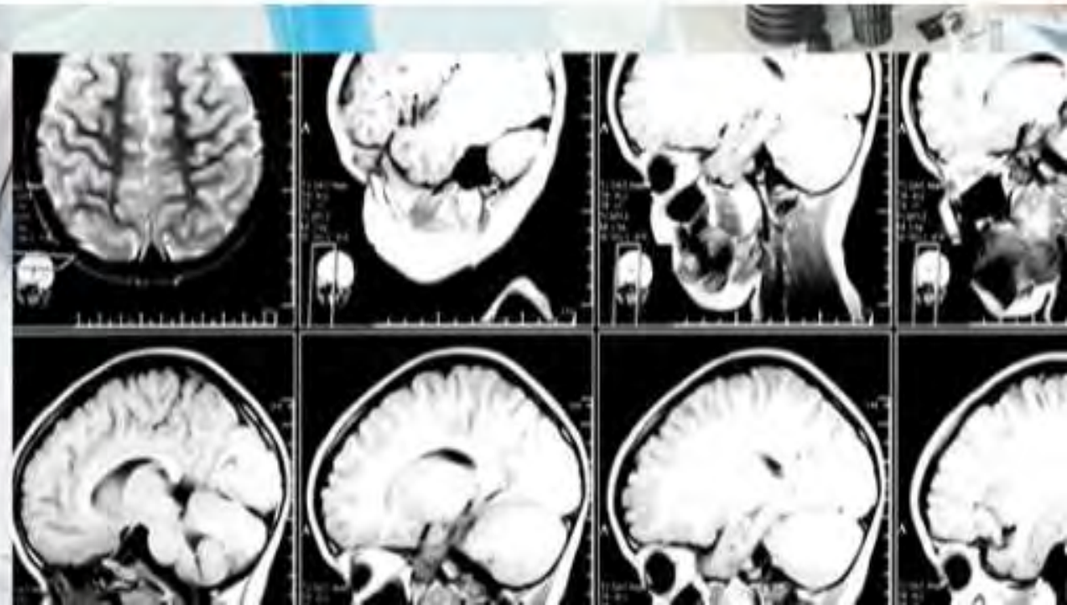
52:08

GROUNDBREAKING RESEARCH

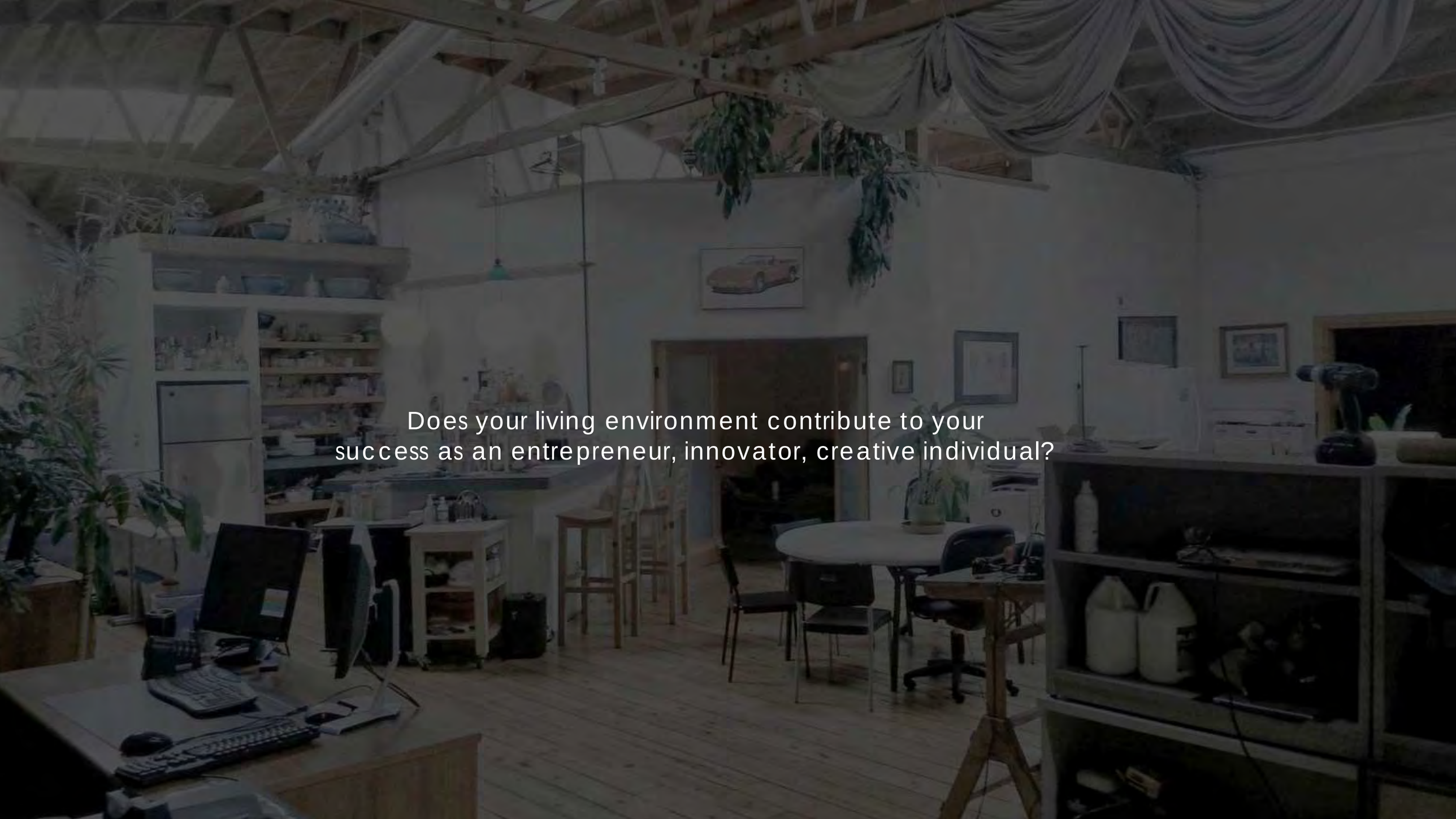
Center for Sports Medicine, Health, and Human Performance

Project Details

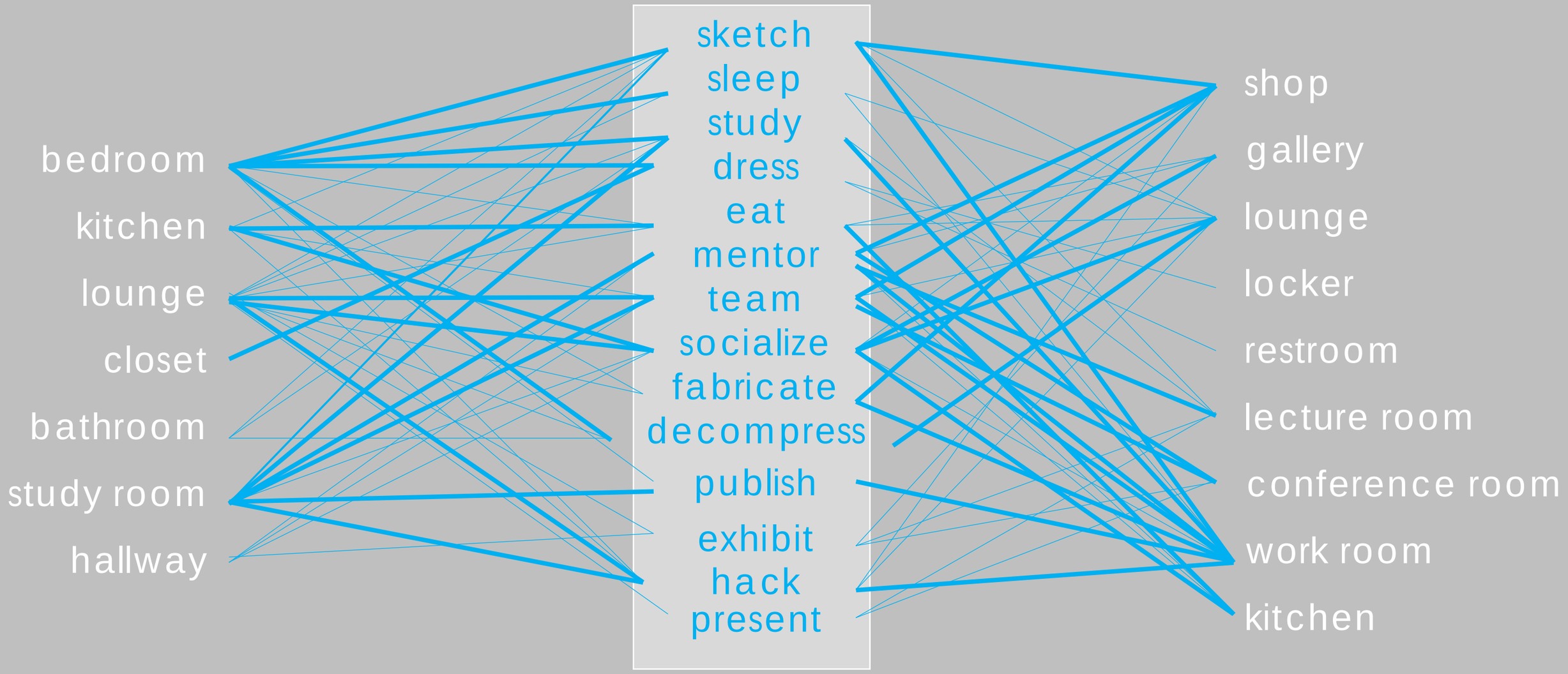




LASSONDE
ENTREPRENEUR INSTITUTE
THE UNIVERSITY OF UTAH


Does your living environment contribute to your
success as an entrepreneur, innovator, creative individual?

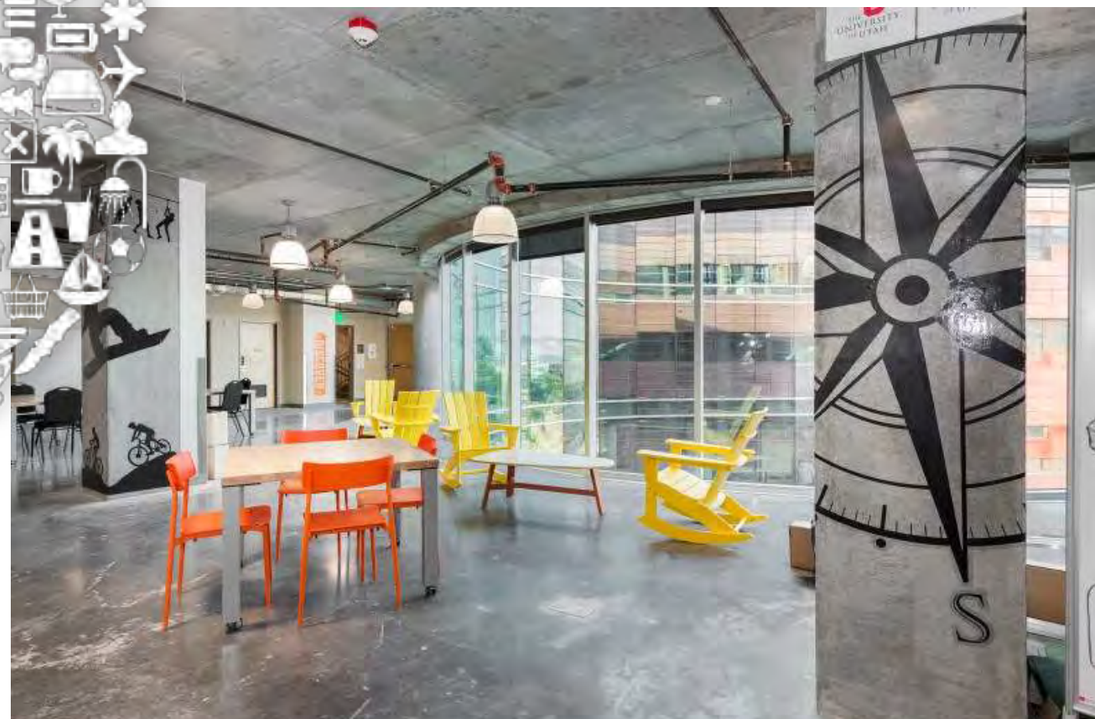
CONVERGING ACTIVITIES



University of Utah - Lassonde Entrepreneurial Institute
Salt Lake City, Utah

DESIGN

PIERRE LASSONDE'S
10 RULES OF LIFE

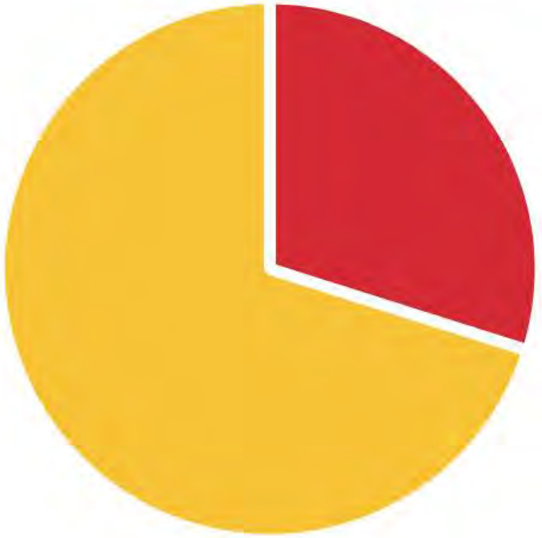


ACCESS
IMPACT
INNOVATION

UCF DOWNTOWN CAMPUS PLAN

By The Numbers

7,700 TOTAL STUDENTS



5,400 UCF **2,300** Valencia

Academic Programs

14 | **9** **Programs of Strategic Emphasis**

Health Services, Health Informatics, Digital Media and Game Design, Legal Studies, Communication, Social Work

Academic ROI

1,800 **UCF degrees awarded annually**

CANNONDESIGN

Facilities

1 new academic building

Renovated Center for Emerging Media

Valencia Culinary & Hospitality academic space

(new, privately developed)

Privately developed student housing

1,800 parking spaces

600 UCF

600 Developer

600 City of Orlando

Eastin

Christine is a Valencia College Culinary Arts Student in the Valencia-UCF DirectConnect program. She grew up and lives in Parramore and aspires to be the Gordon Ramsay of Orlando

Cynthia

Cynthia is a professor at UCF who believes in hands on, solutions focused learning. She seeks out interdisciplinary and industry partnerships and aspires to be Michael Crow.

Austin

Patrick is a New Media Student who moved from out of state to be a part of the UCF soccer team. He is excited about new technologies in communications and gaming and aspires to be Anderson Cooper.

Darien

Fred is a working professional and COHPA student who has elected to "self-educate" with mixed mode courses. He regularly engages his community and hopes to become CEO of a non-profit organization.

Cooper

Paul is an Arts and Technology student and a talented artist and musician. He is an entrepreneur seeking support for his start-up and wants to be the next Jonny Ive.

1.31

1.35

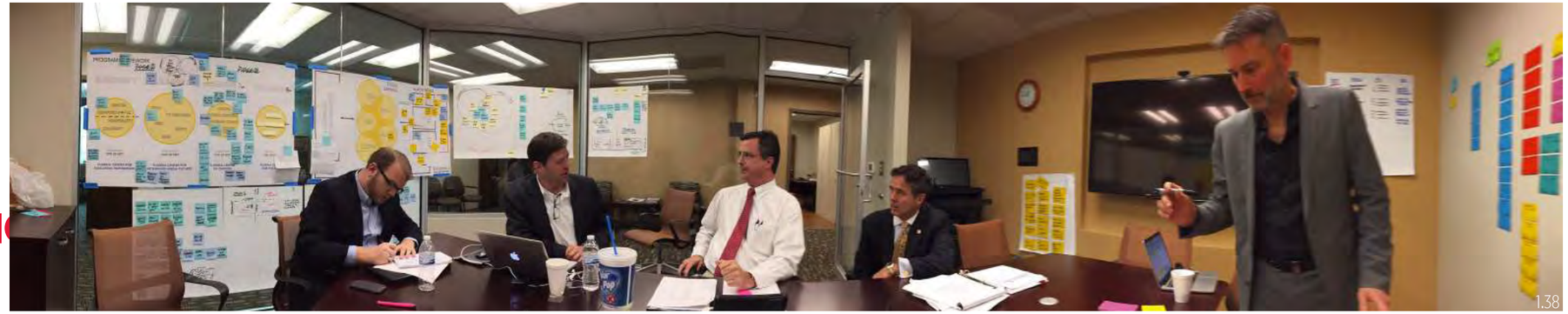
1.32

1.33

1.36

1.37

1.34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CITY HALL
AMWAY CENTER
ORANGE COUNTY COURTHOUSE
ORLANDO MAGIC'S SPORTS & ENTERTAINMENT DISTRICT
CHURCH STREET TECH HUB
ORLANDO CITY MLS STADIUM
ORLANDO SENTINEL
FAMU LAW SCHOOL
SunRail
UCF DOWNTOWN
LYNX CENTRAL STATION
VALENCIA
INTERSTATE 4
PARRAMORE K-8 SCHOOL
15-MINUTE WALK RADIUS

WELCOME
UCF
DOWNTOWN

NEW TYPOLOGIES

DIGITAL PLATFORMS

INFRASTRUCTURE

HUMAN CAPITAL