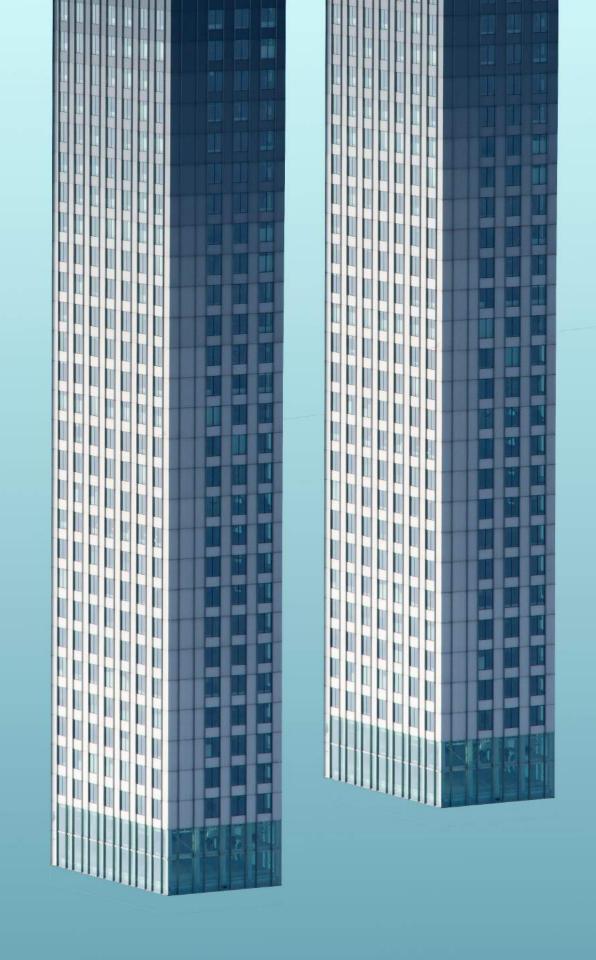
New Abundance, New Scarcity.

What Happens to Physical Space in a Digital World

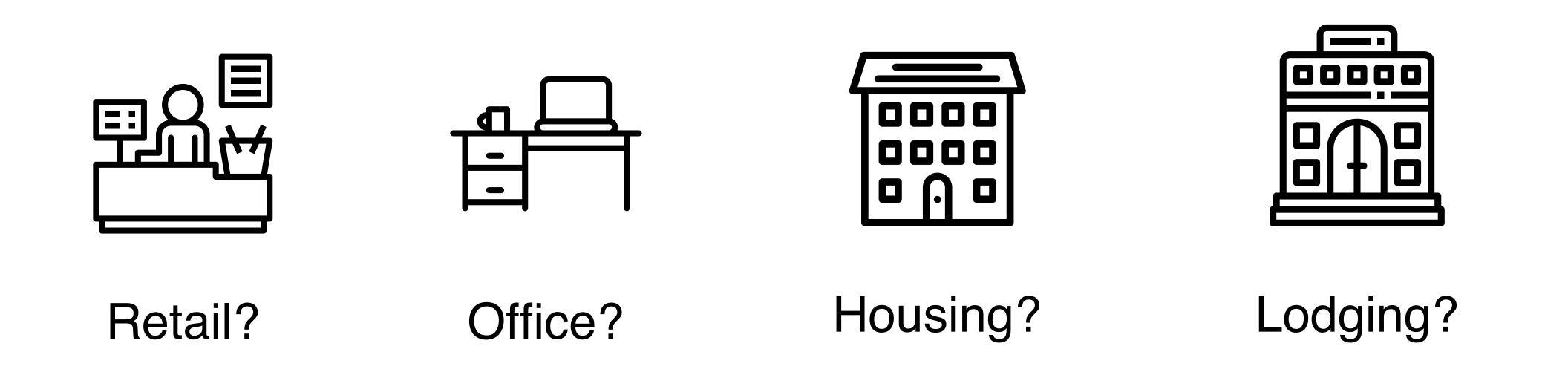


Rethinking Real Estate

"Software is eating the world"

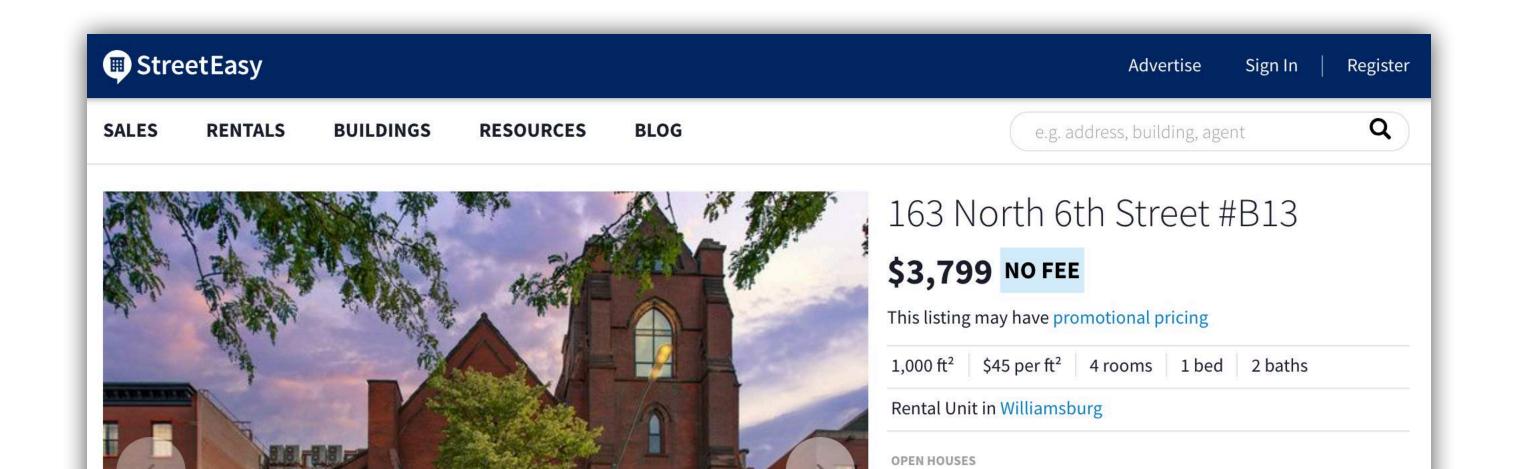


What did it eat so far? Which real estate asset has been most "disrupted"?

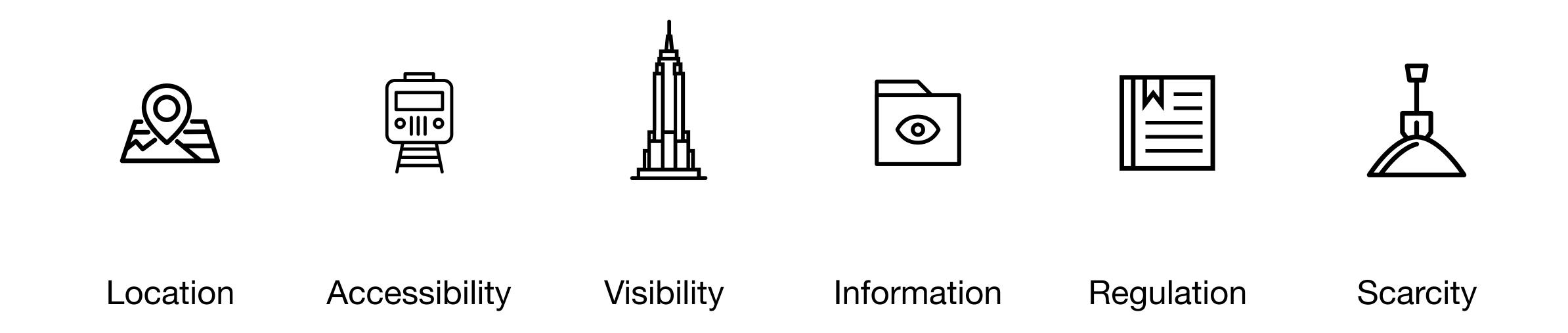


6,000 - 10,000 Churches shut down last year

- 1. ...Past performance is no indicator . . .
- 2. No business model is safe
- 3. Tech's most profound impact is not direct
- 4. ...every upheaval is an opportunity to create value (for direct competitors, as well as completely new uses)

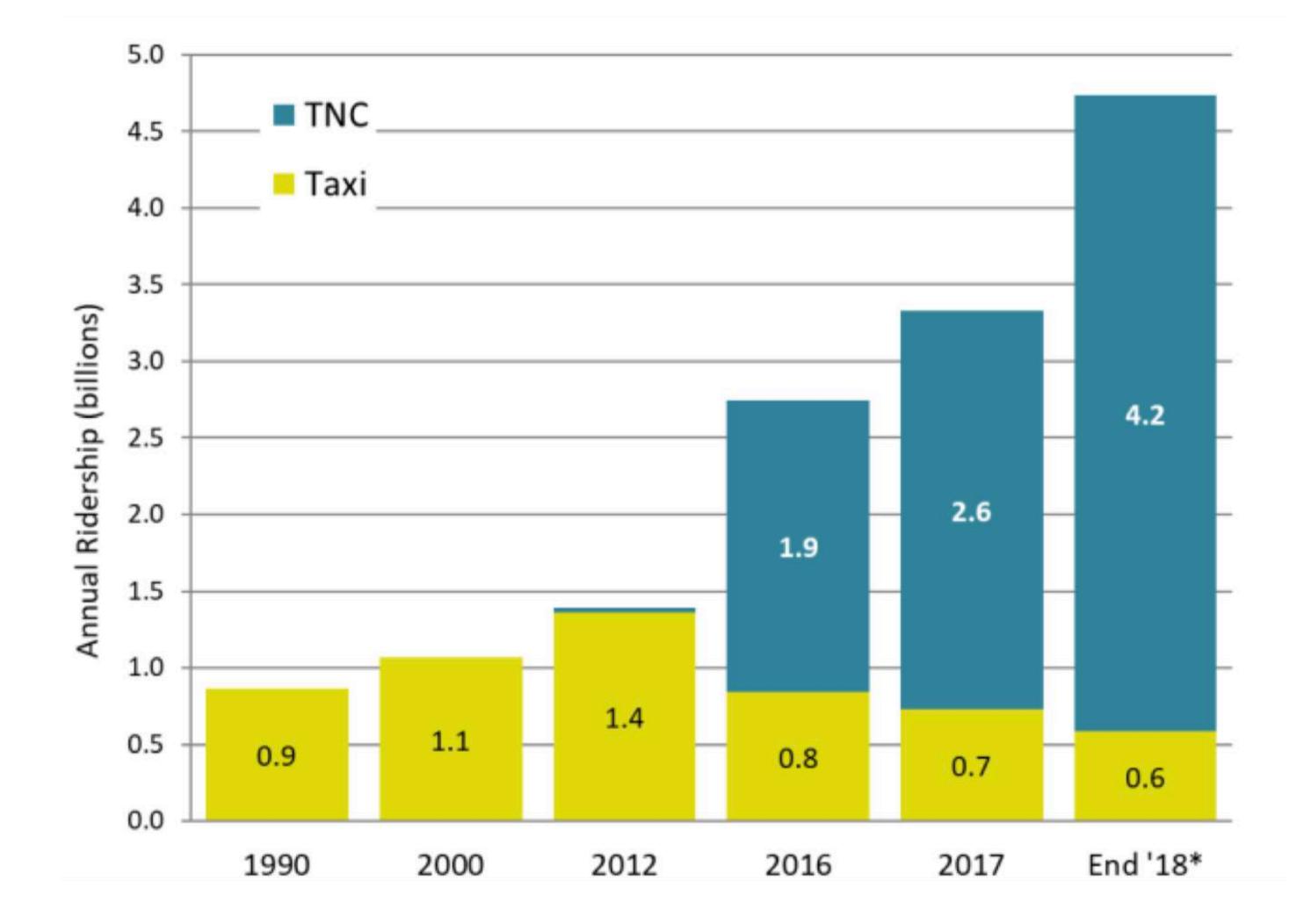


What determines and protects the value of real estate assets?



Location is redefined shared mobility



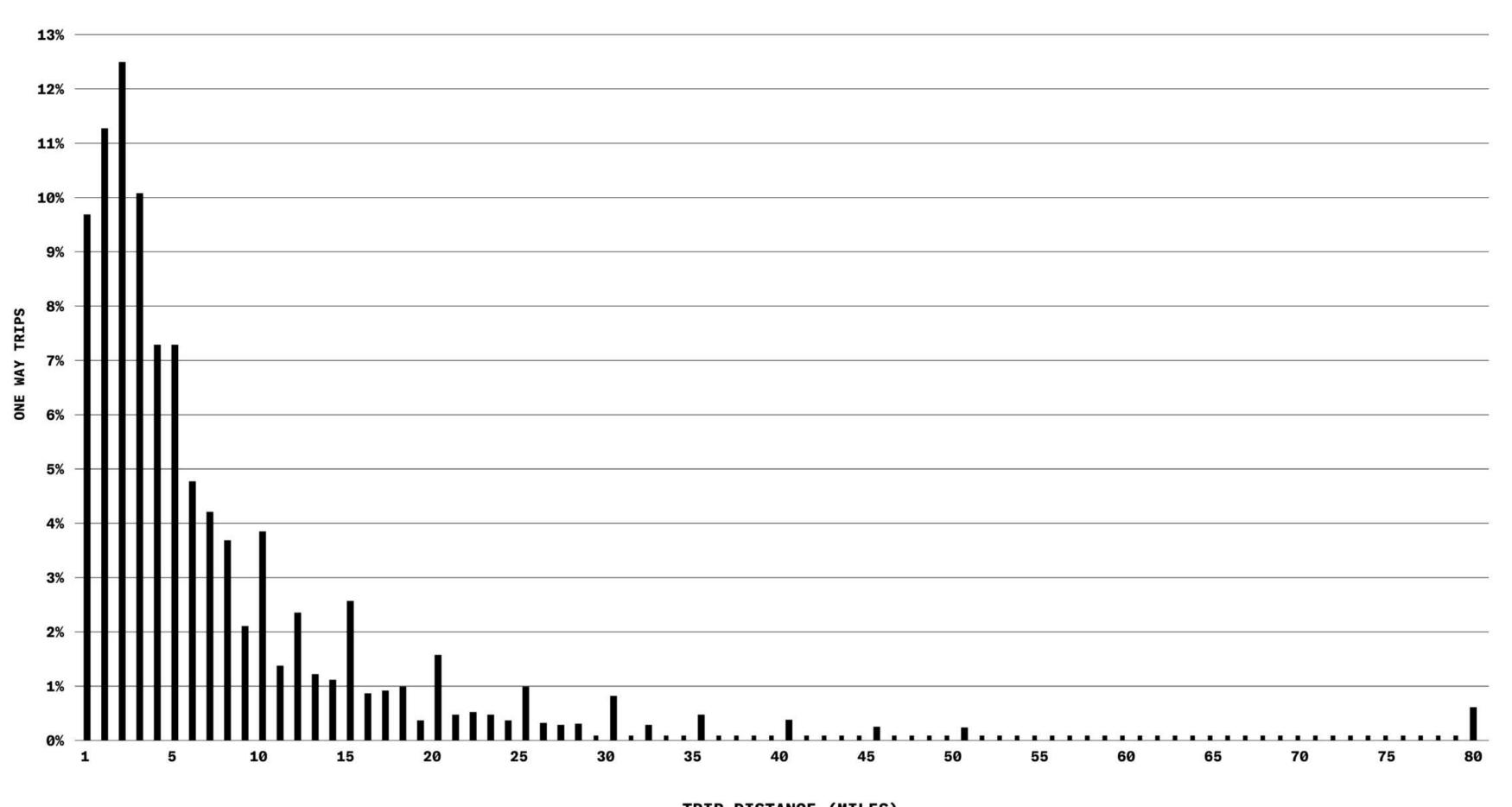




© Dror Poleg / Rethinking.RE Source: Schaller Consulting

Location is redefined by micro-mobility

CAR TRIP DISTANCE DISTRIBUTION (US)





Bird Zero Boosted Mini S





Riese & Muller Packster 40 Vario

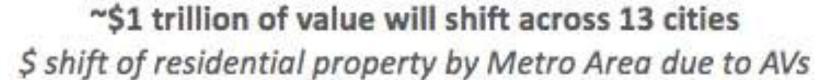
Veemo

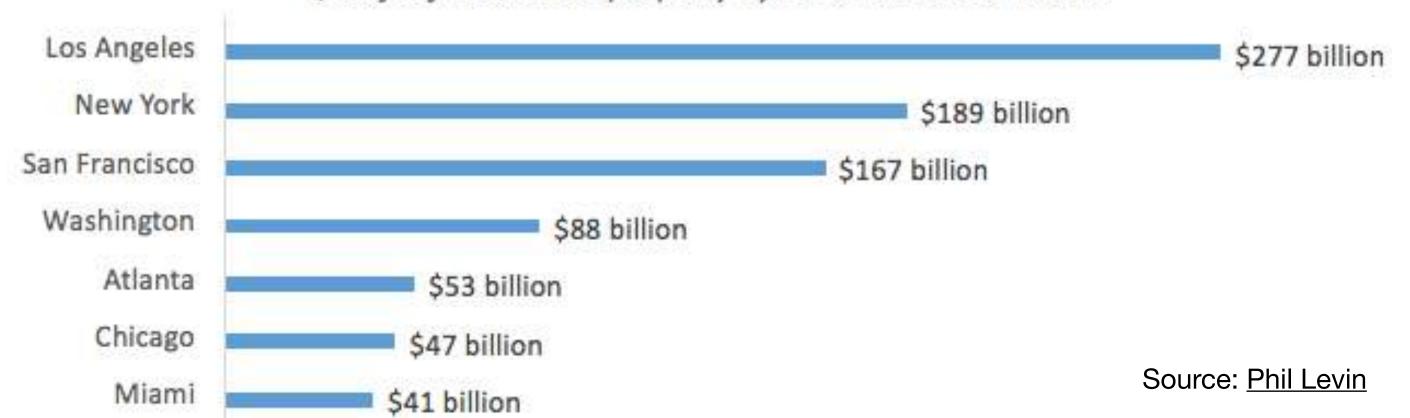
TRIP DISTANCE (MILES)

© Dror Poleg / Rethinking.RE Source: MicroMobility.io Source: MicroMobility.io

Location will be redefined by autonomous vehicles







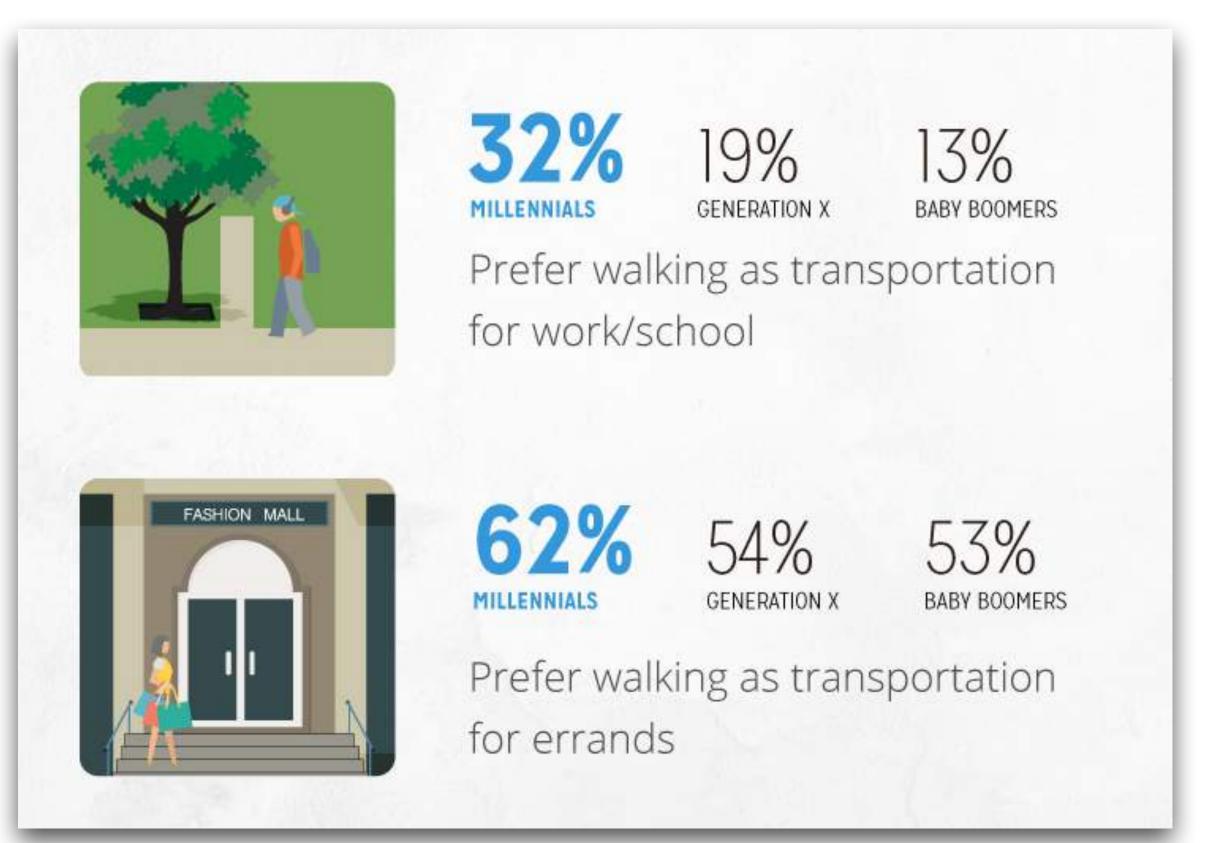
It's already moving things (but no people yet)





Meanwhile, the old ways of moving around are becoming more valuable than ever.





© Dror Poleg / Rethinking.RE Source: National Association of Realtors

"Visibility" is redefined — digital channels are creating "local" businesses that don't exist.



HOME

SMART KITCHENS

DELIVERY-ONLY

GET STARTED

Better, faster, cheaper with CloudKitchensTM



Lower Operational Cost

Dramatically reduce your real estate and labor costs for higher margins per location. For delivery, all you need is a small kitchen and a handful of staff.



Lower Upfront Costs

Rather than the +\$1 million upfront to build out a brick and mortar restaurant, get started in a CloudKitchen™ for just around \$20,000 and two months deposit and any special equipment.



Faster Expansion

With faster permitting time and kitchens ready to go, launch in just a few weeks.

BYTE-SIZED MEALS

UberEats is using data to create cool, non-existent restaurants

By Kabir Chibber · November 2, 2018



UberEats has come a long way in a few short years.

The Brooklyn Burger Factory has a simple, trendy banner image on its UberEats page and sells a variety of tasty-looking burgers—including a jerk burger—to people in the fast-gentrifying Crown Heights neighborhood of Brooklyn in New York. For locals, it looks like the perfect lazy delivery option after a long day at work. The only thing is that the Brooklyn Burger.

Tech is eroding the power of regulation, and the validity of zoning laws.

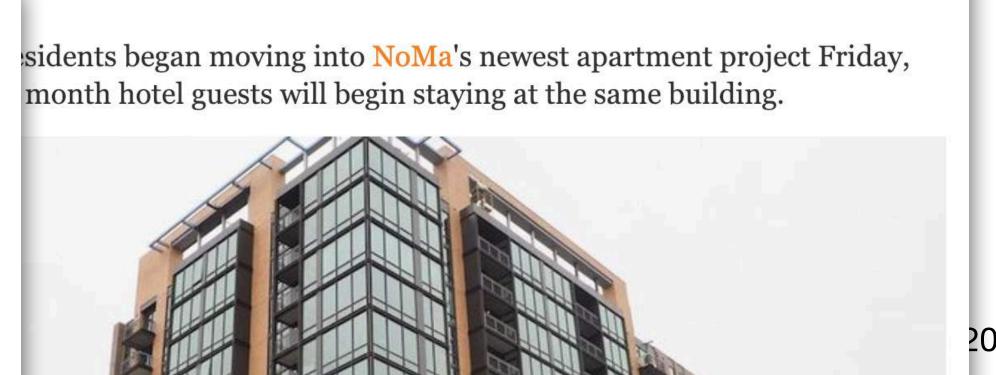




Or empowering new operators to subvert zoning within the boundaries of the law.



Lyric raises \$160 million in debt and equity to power the next generation of hospitality



Blurring the boundary between different uses...

EQUINOX

THE WALL STREET JOURNAL.

REALESTATE | PROPERTY REPORT

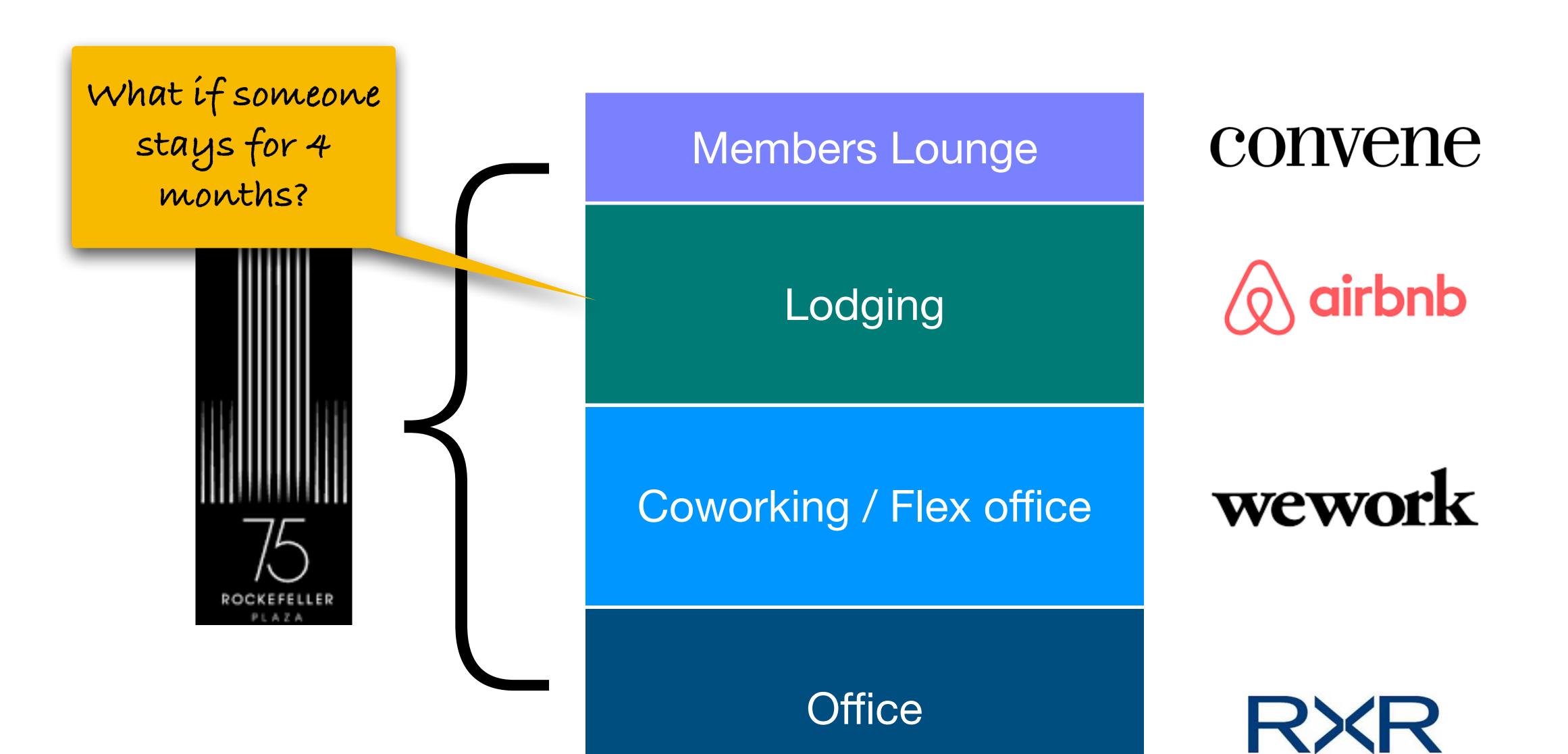
Equinox Gyms to Add Co-Working to the Workout

Gym operator joins with Industrious to offer flexible workspaces alongside some of its fitness clubs

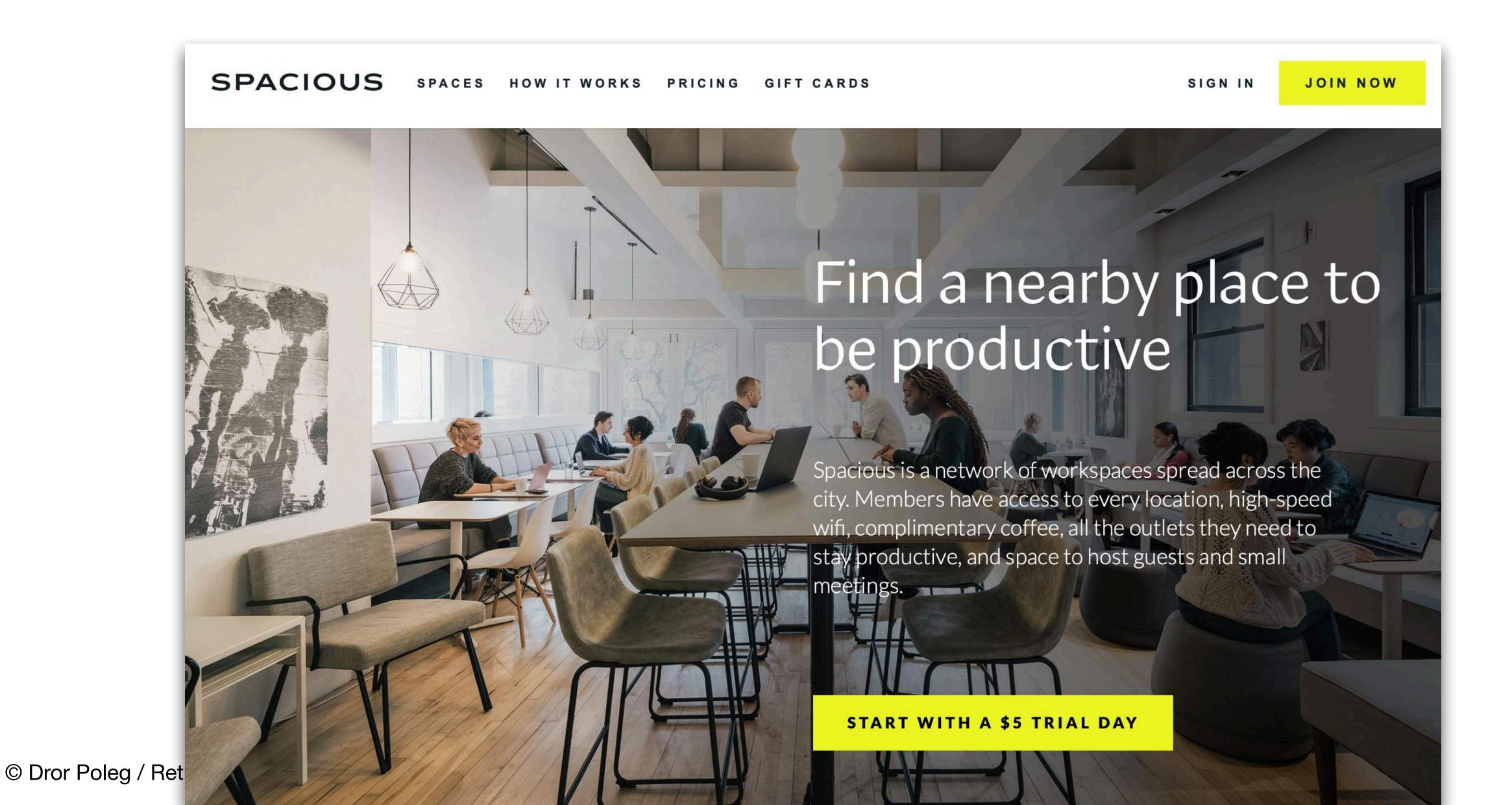




Creating new "vertical mixed use" projects...

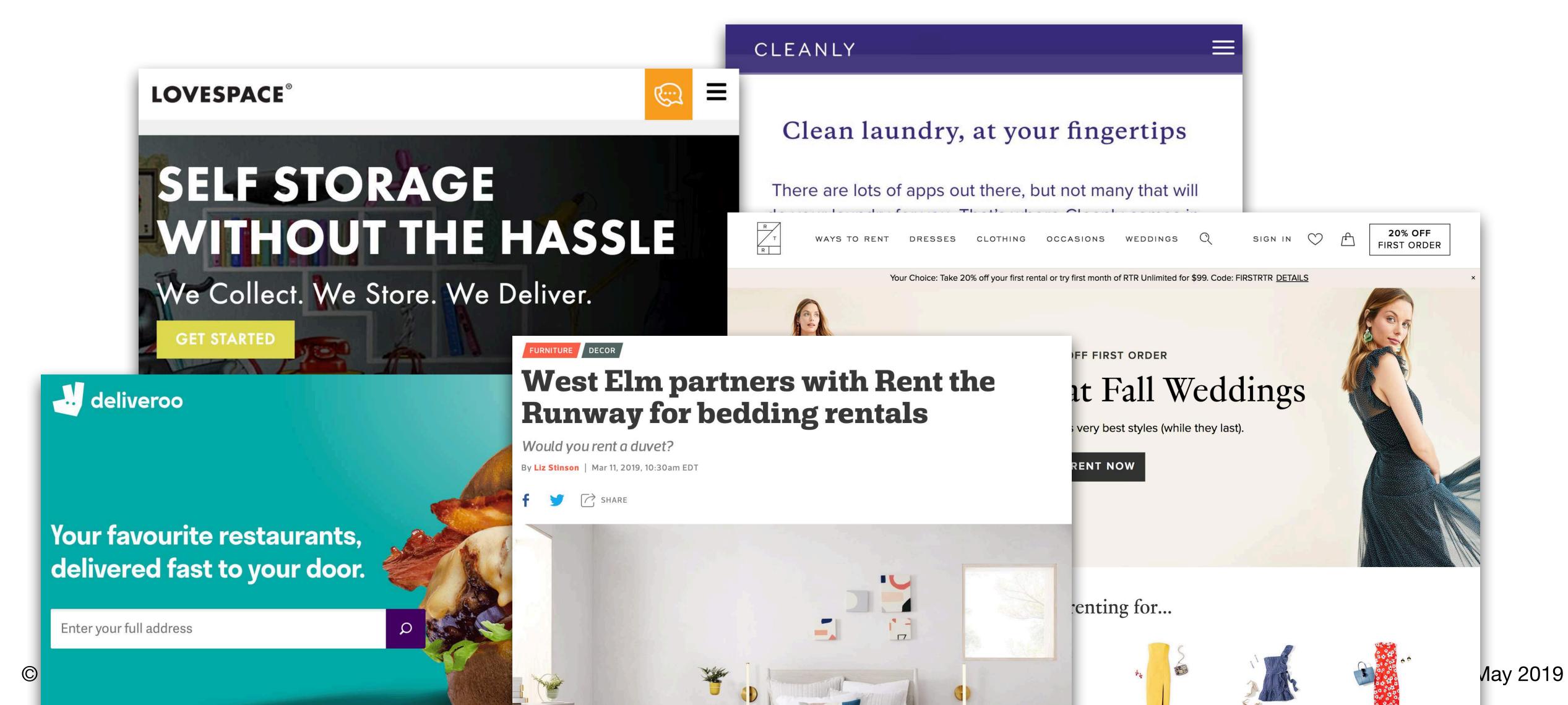


Facilitating more intensive use of existing locations.



May 2019

"Unbundles" tasks that used to require space within apartments

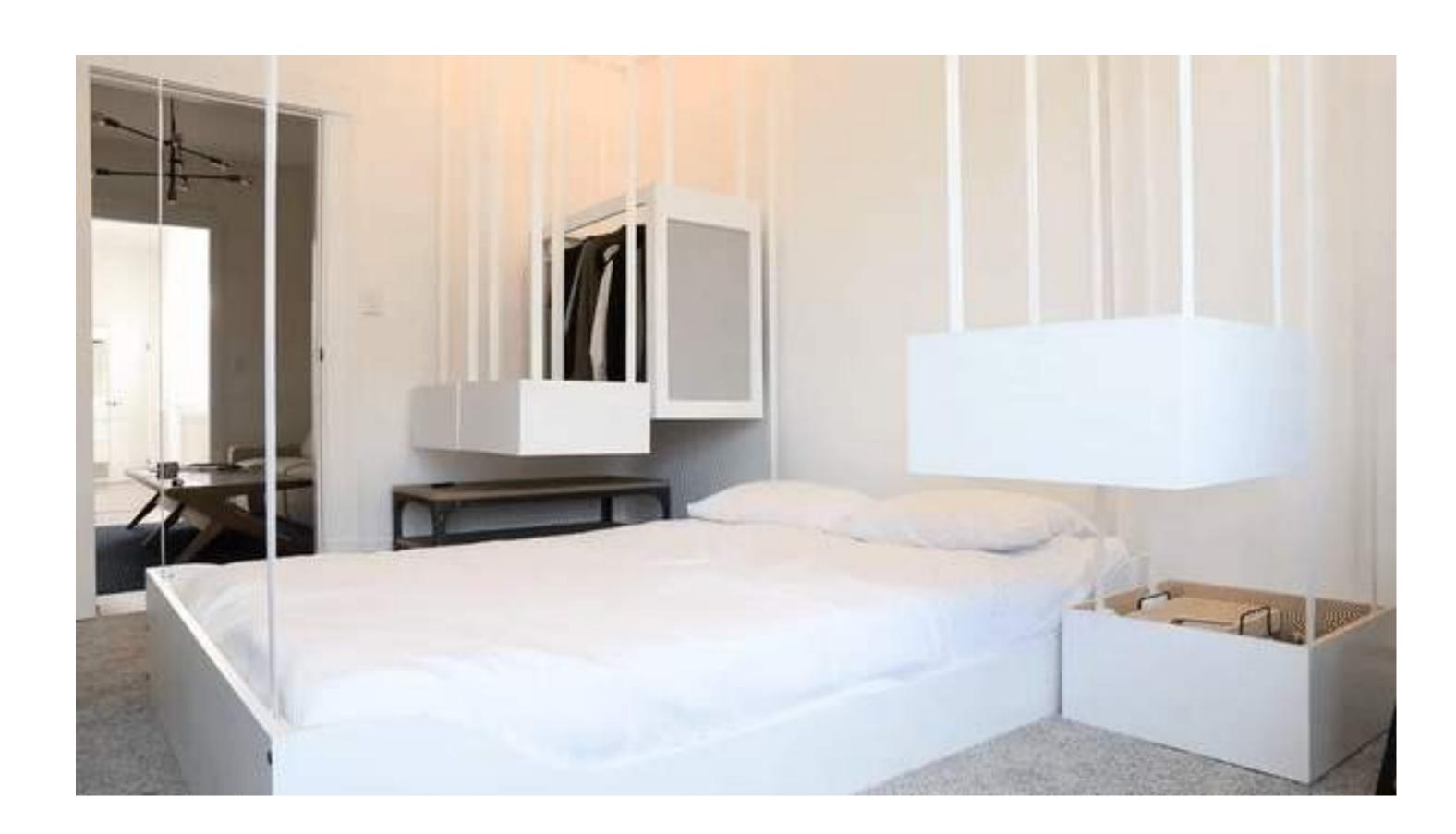


Even hospitals... are being unbundled into prefabricated pods that provide prescriptions and drugs.





Meanwhile, hardware also helps to create more spaces and make the real world more playful.

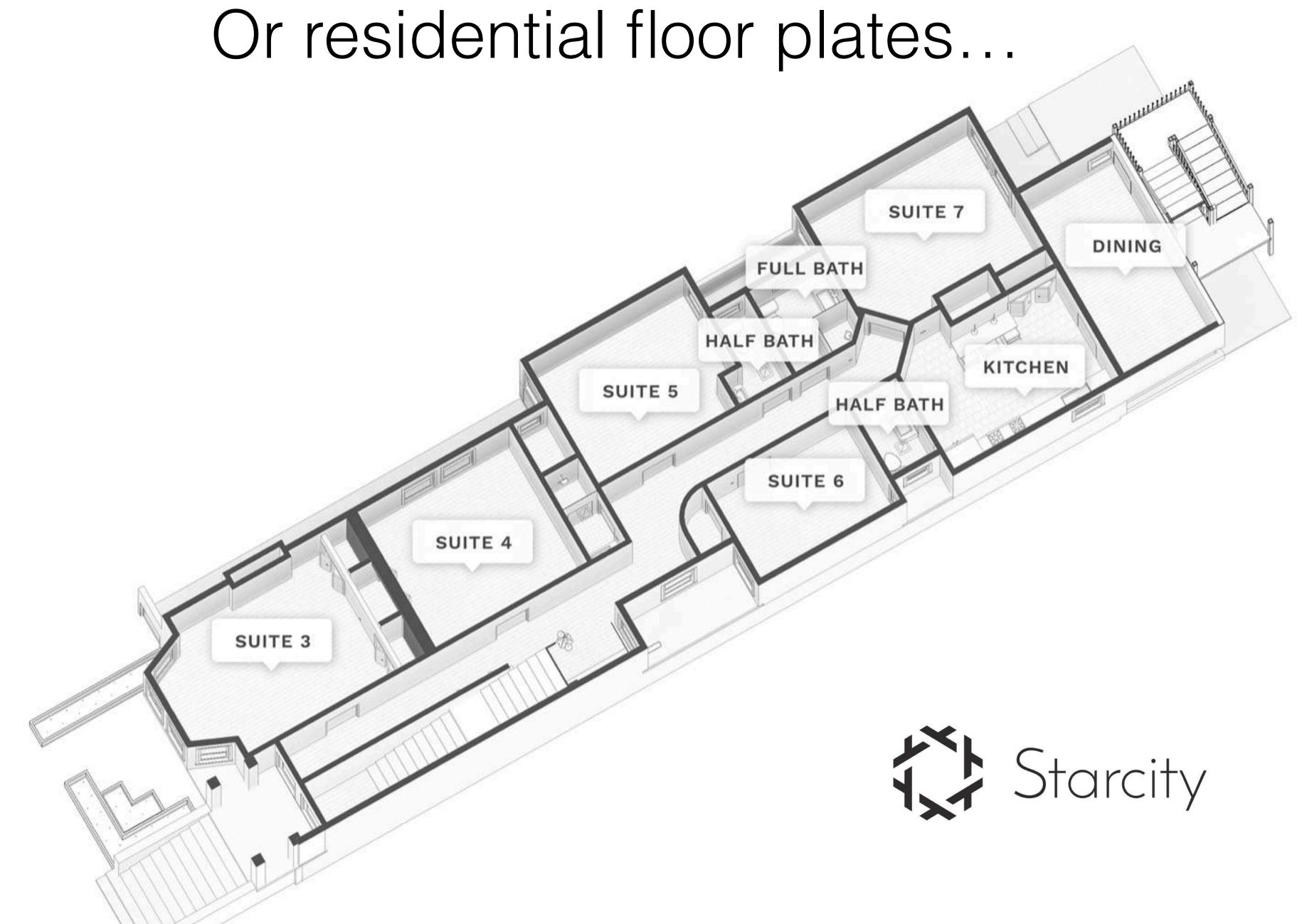




Sources: <u>Dezeen</u> / <u>NYT</u>

Fitting more people into traditional office floor-plates.





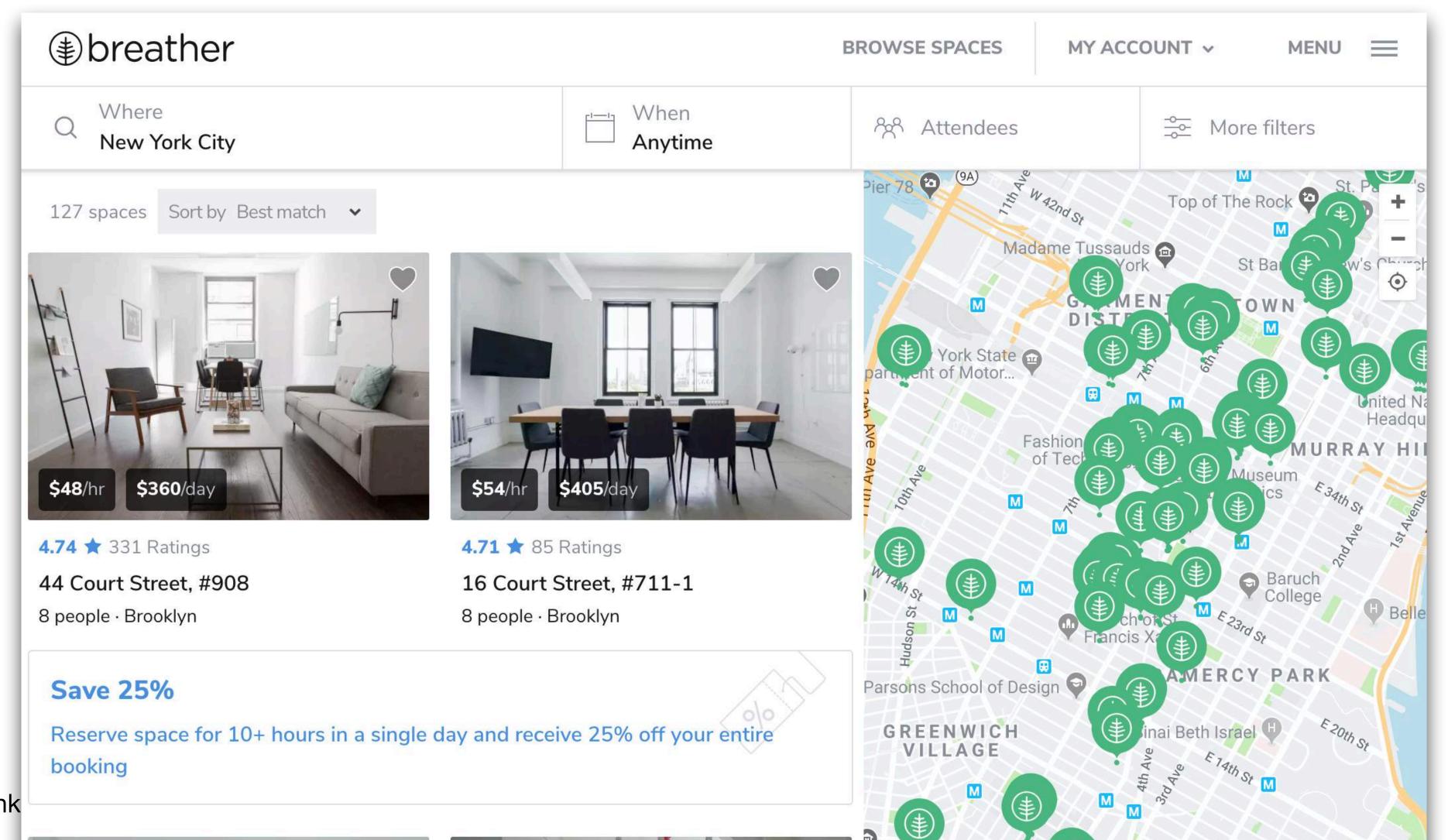
...through a combination of hardware & software

Acquired Company		Business
tesm	Teem	Meeting room management software
MISSIONU	MissionU	Training and education (college alternative)
naked HUB 裸心社	NakedHub	Coworking operator in China
)	Conductor	Content marketing platform
	Meetlp	Social events platform
THE // FLATIRON Flatiron School		Education and tech training
Unomy	Unomy	Sales & Marketing Intelligence Platform
spacemob	Spacemob	Coworking operator in Singapore
	Fieldlens	Communicatino & collaboration for construction teams
(:)	Welkio	Visitor registration
case	CASE	Virtual design and BIM

Invested Company		Business
W	The Wing	Coworking space for women
🖉 LUNA LIGHTS	Luna Lights	Automated lighting safety system
HARGOL DELVERNO PROTEN	Hargol	Protein from grasshoppers
	Victor Tech	Small business marketing



Software makes networks of buildings worth more than the sum of their parts.

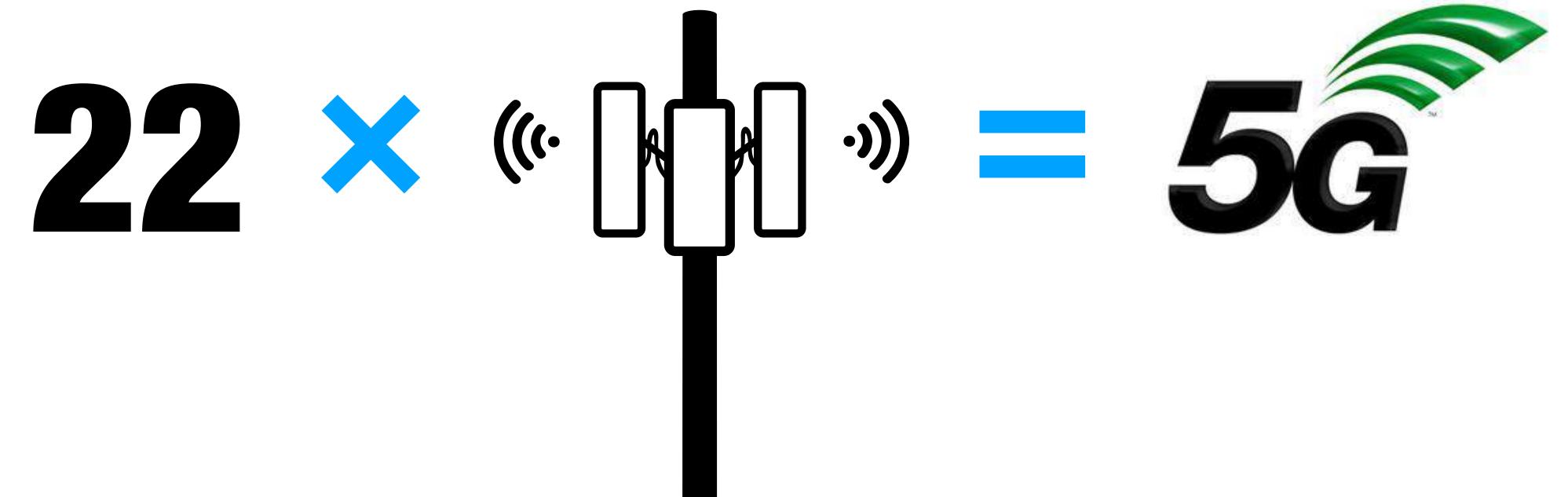


Software can connect networks of buildings to create value in other unexpected ways.



© Dror Poleg /

Not just in a few years, but also very soon.



And in ways that can benefit the environment and generate new revenue

ALTERNATIVES

GLP-Brookfield joint venture aims to become China's top rooftop solar power provider

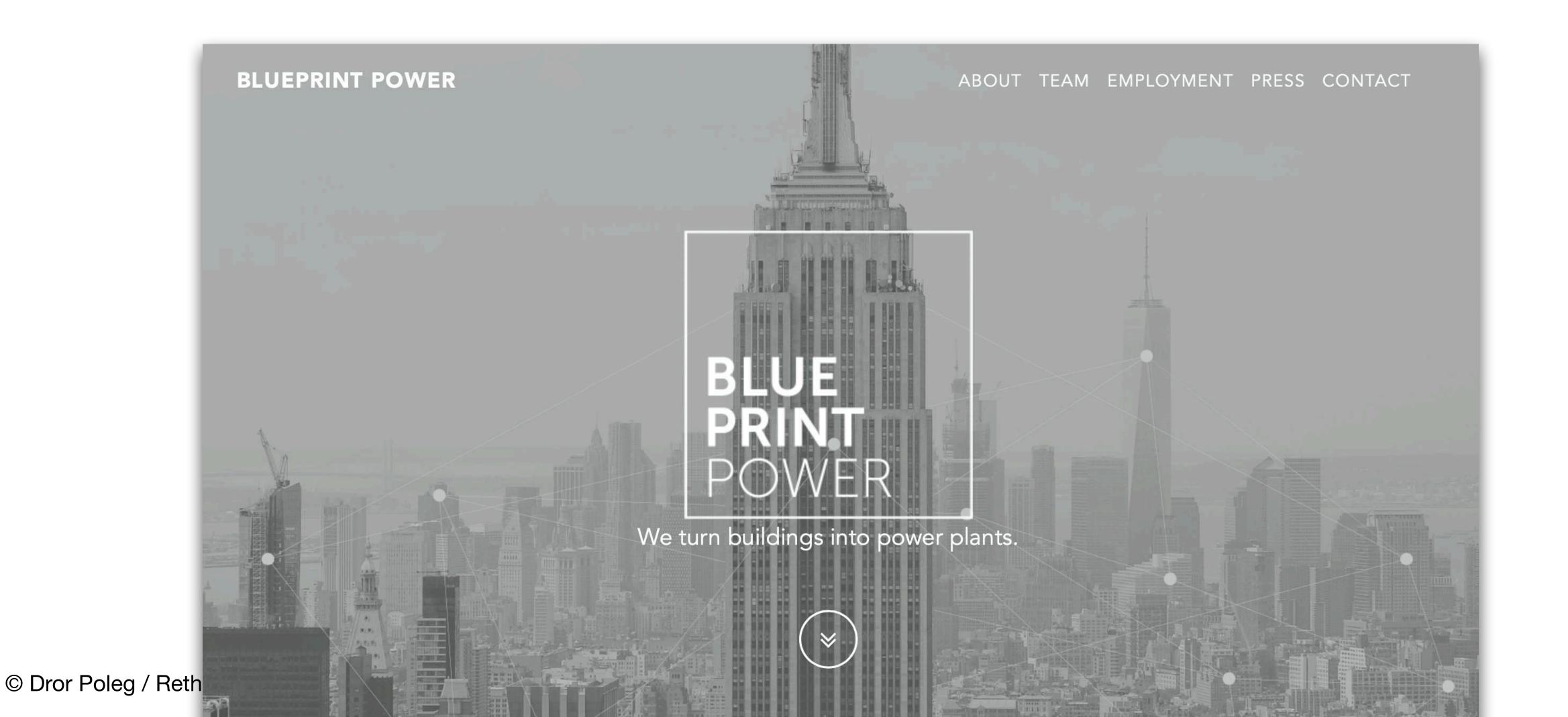
BY DOUGLAS APPELL · MARCH 21, 2018 10:03 AM · UPDATED 10:06 AM

GLP, a global provider of logistics facilities based in Singapore, and Brookfield Asset Management established a 50-50 joint venture to develop and operate solar power capacity on the rooftops of logistic and commercial facilities in China.



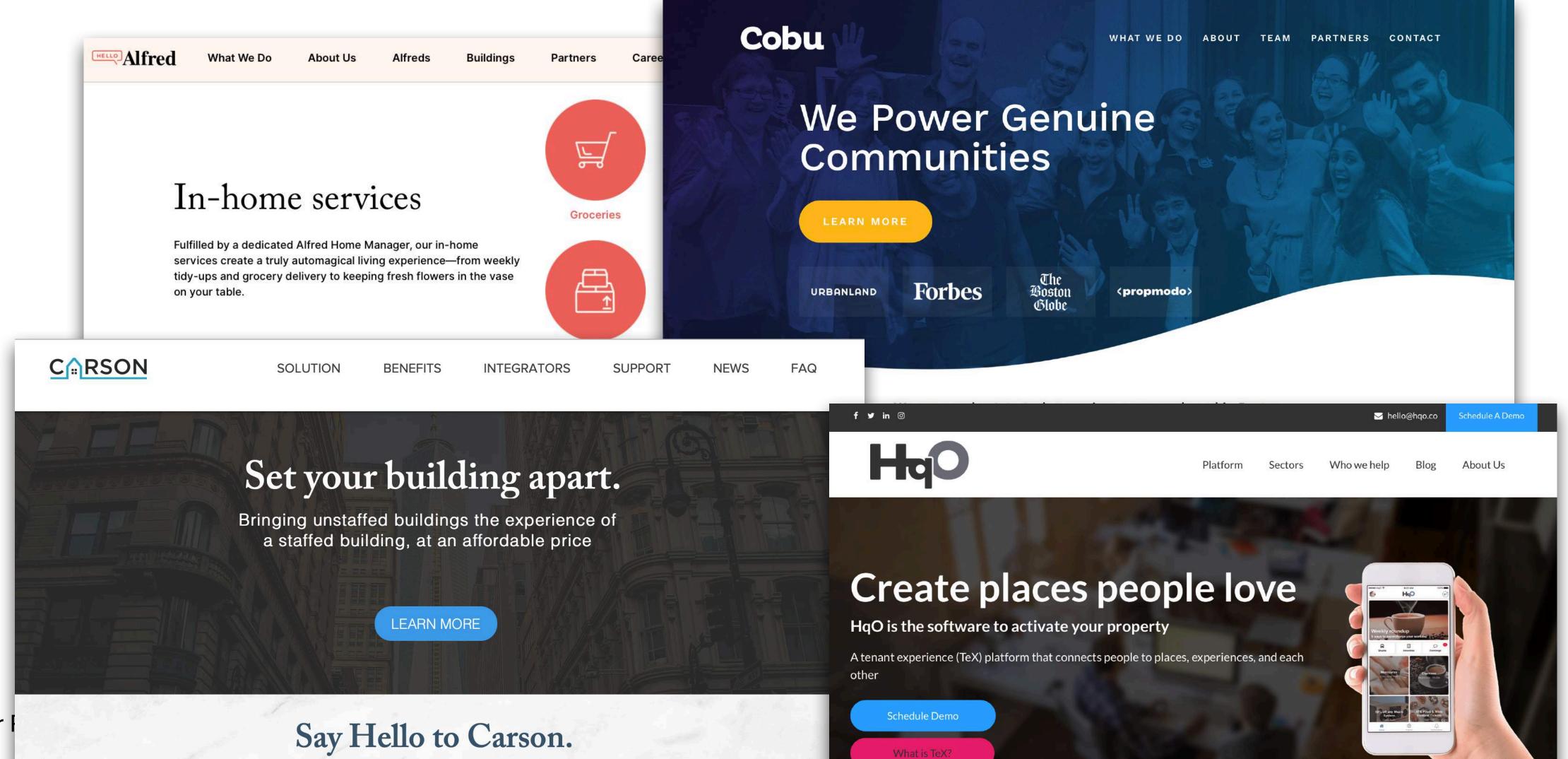
GETTY IMAGES/ISTOCKPHOTO

Turning buildings from power consumers to power producers.



May 2019

Software adds new layers of service and community on top of existing buildings...



Landlords are trying to remain relevant by offering flexible solutions for small tenants.



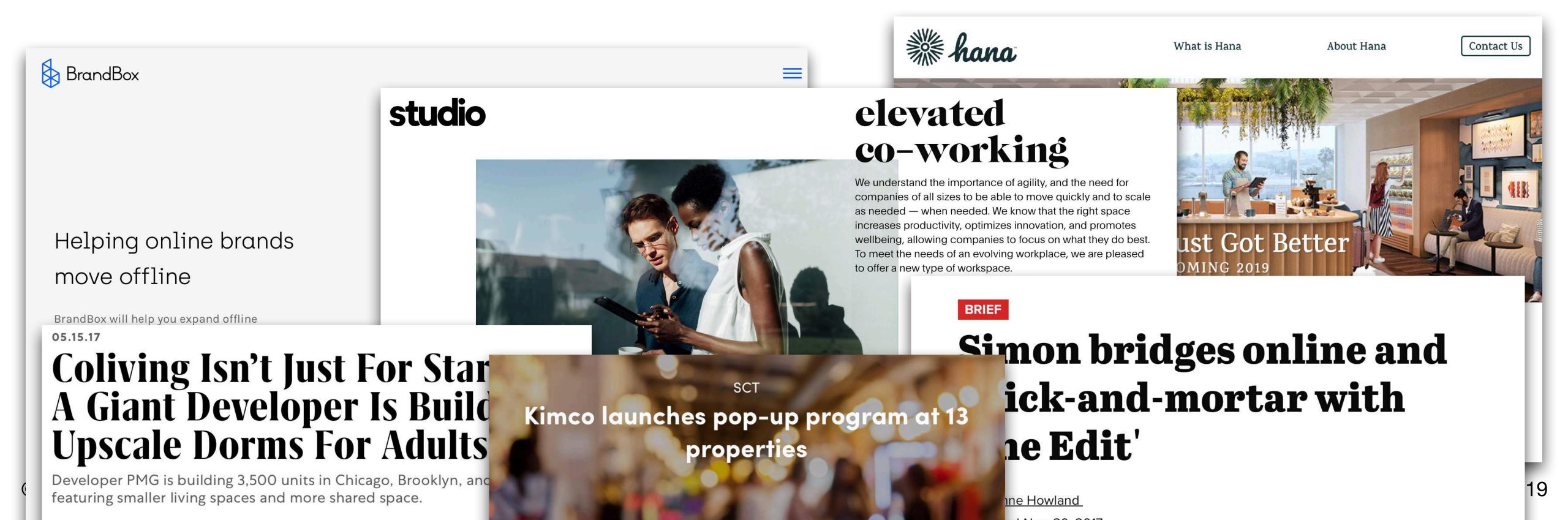












Or partnering with new companies to develop and operate new projects









'Upscale Co-Living' Will Occupy **Northern Tower At Gables Station**

Common and Tishman Speyer want to make co-living a thing for families

New product called Kin will feature playrooms and on-demand child care

March 20, 2019 08:38AM



WeWork launches new investment fund, plans first ground-up development

"ARK" nears deal for Frank McCourt's Waller Creek site in Austin, Texas

Q Search

Technology

Brookfield Finds Common Ground With Airbnb in \$200 Million Deal

■ Menu

Photographer: Andrew Harrer/Bloomberg onrad Putzier and David Jeans | November 05, 2018 03:13PM

Markets **Co-Living Firm Wins \$1.1 Billion Investment for Europe Expansion**

Bloomberg

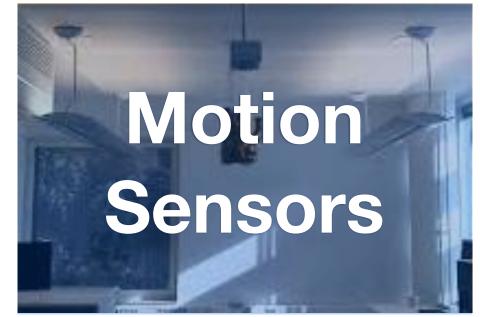
By Lily Katz December 12, 2018, 2:25 AM EST

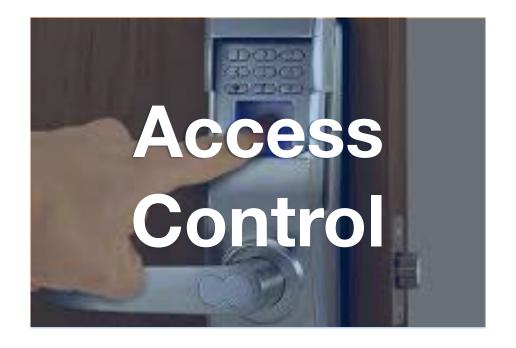
© Dror Pole

By Oshrat Carmiel December 18, 2017, 12:30 PM EST Subscribe

Real estate is also becoming personal in other ways... Landlords are becoming "Datalords".



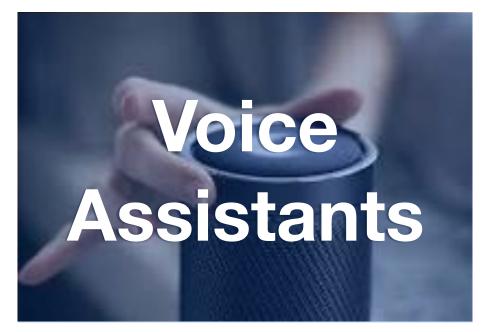














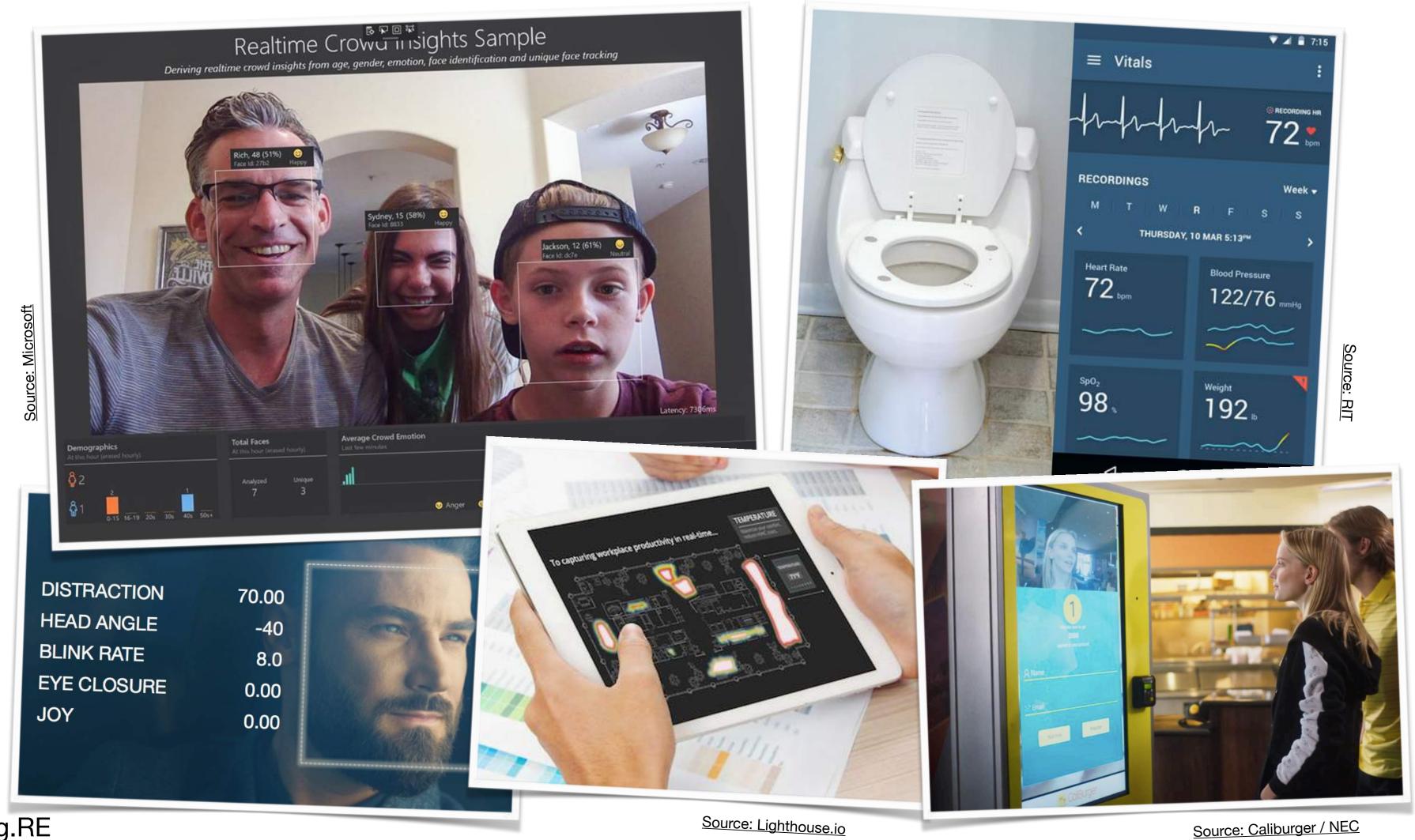








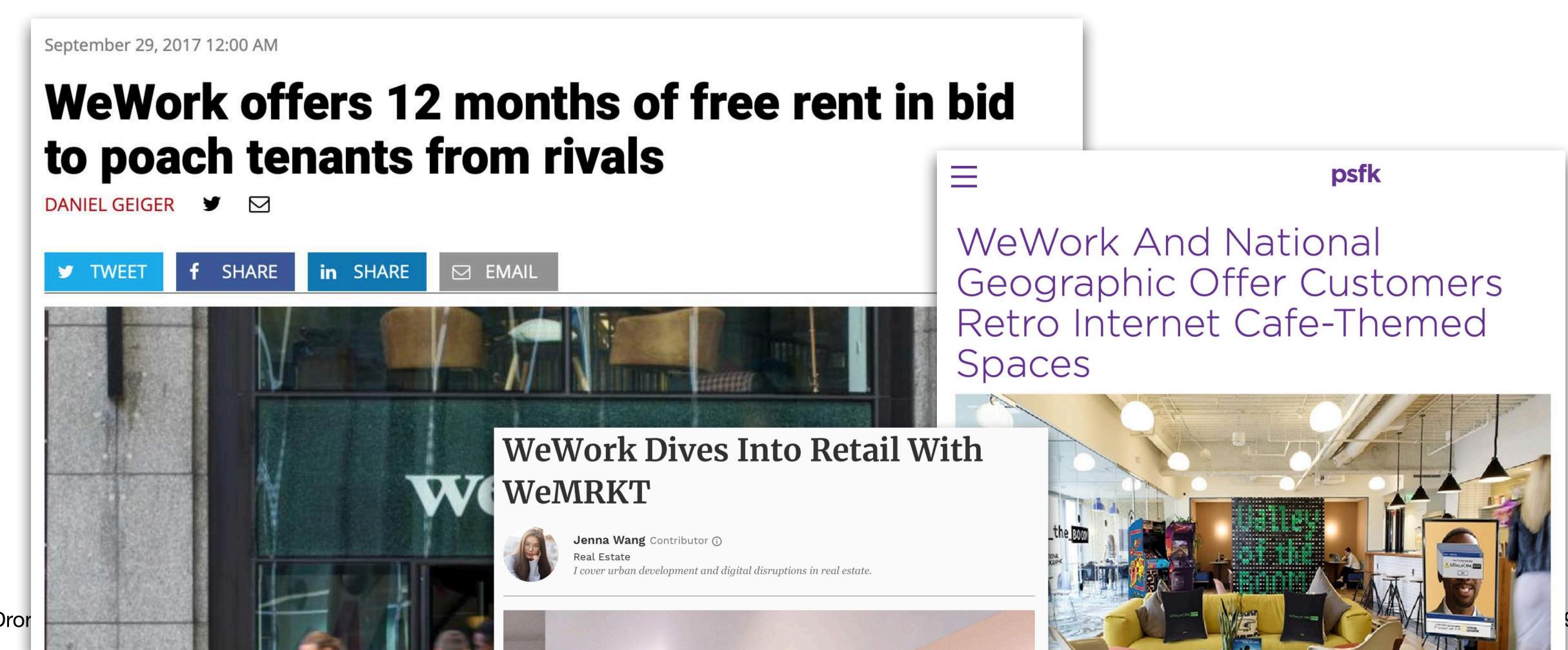
A variety of (creepy) tools and business models are already in place.



All this new data is a goldmine...

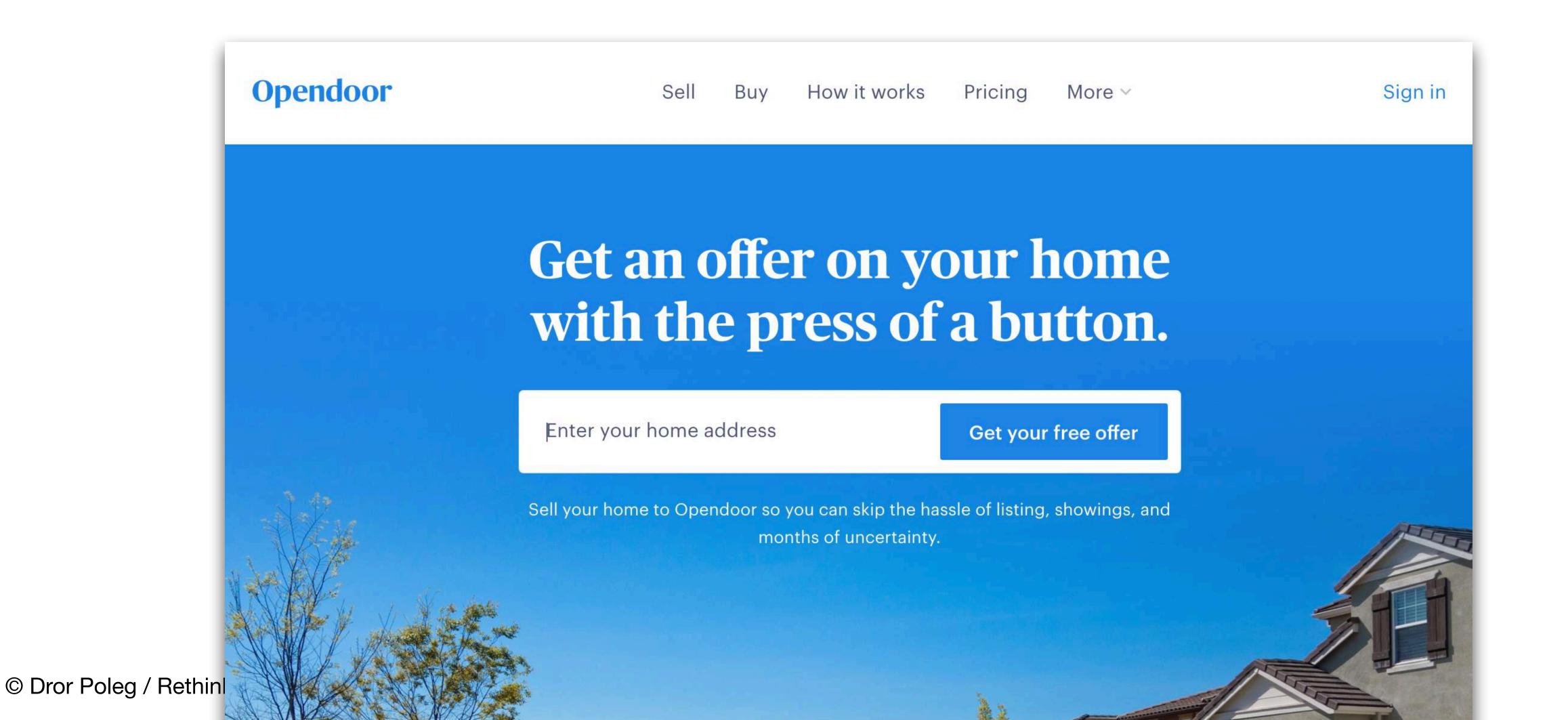


Data is enabling new operators to reduce rent and monetize their communities in other ways...

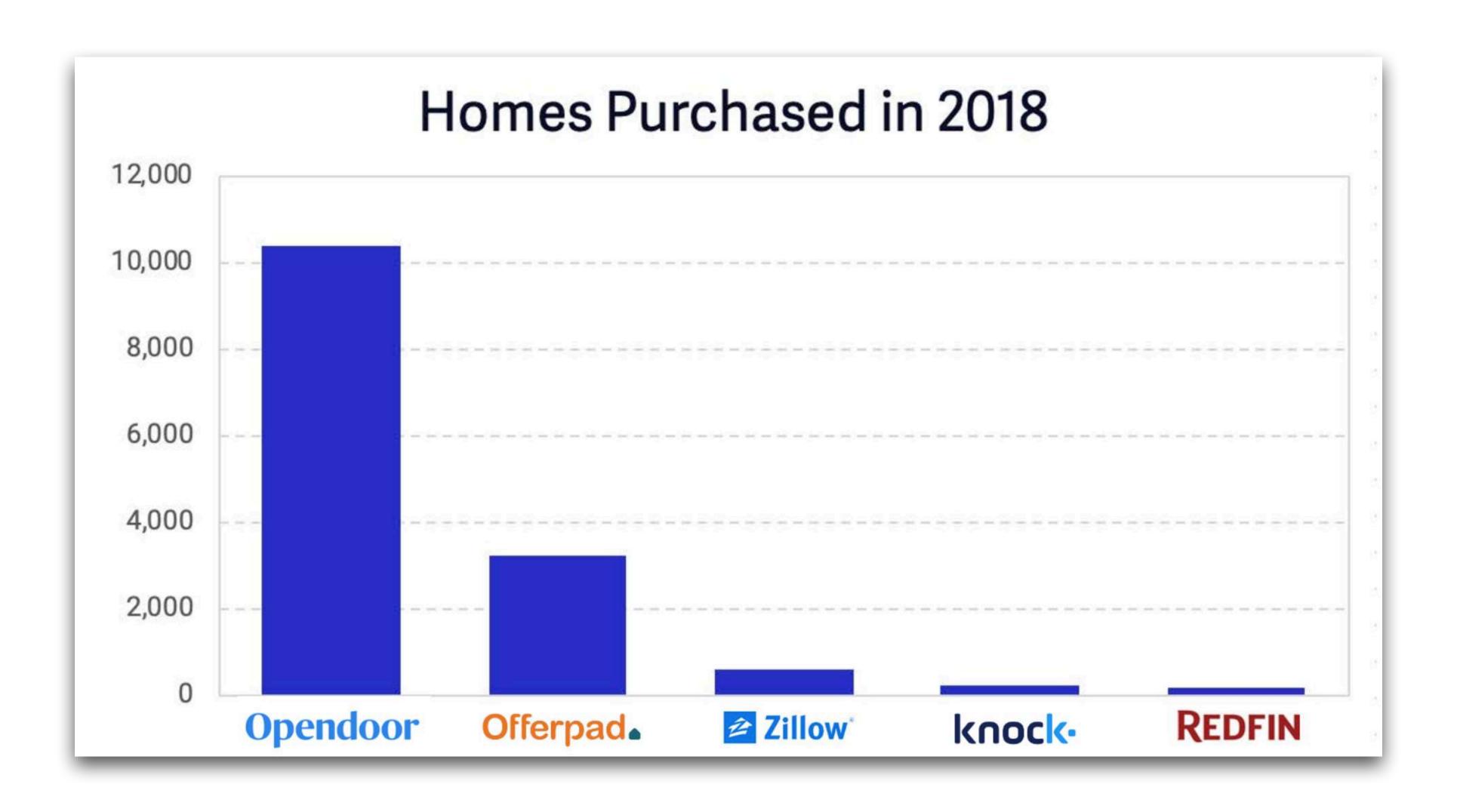


...it brings unprecedented liquidity to real estate markets

(starting with single family homes)

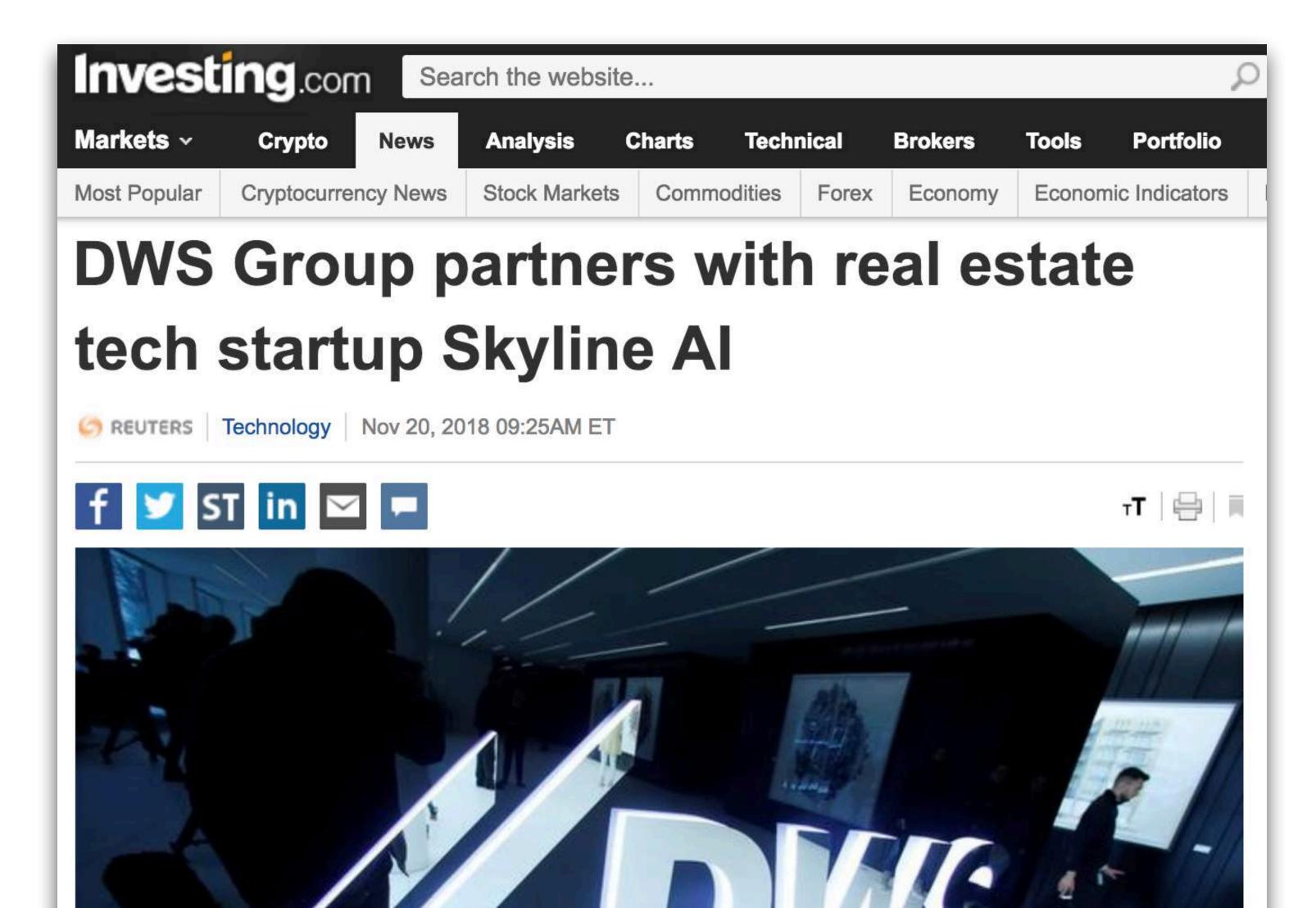


Powering tens of thousands of transactions a year

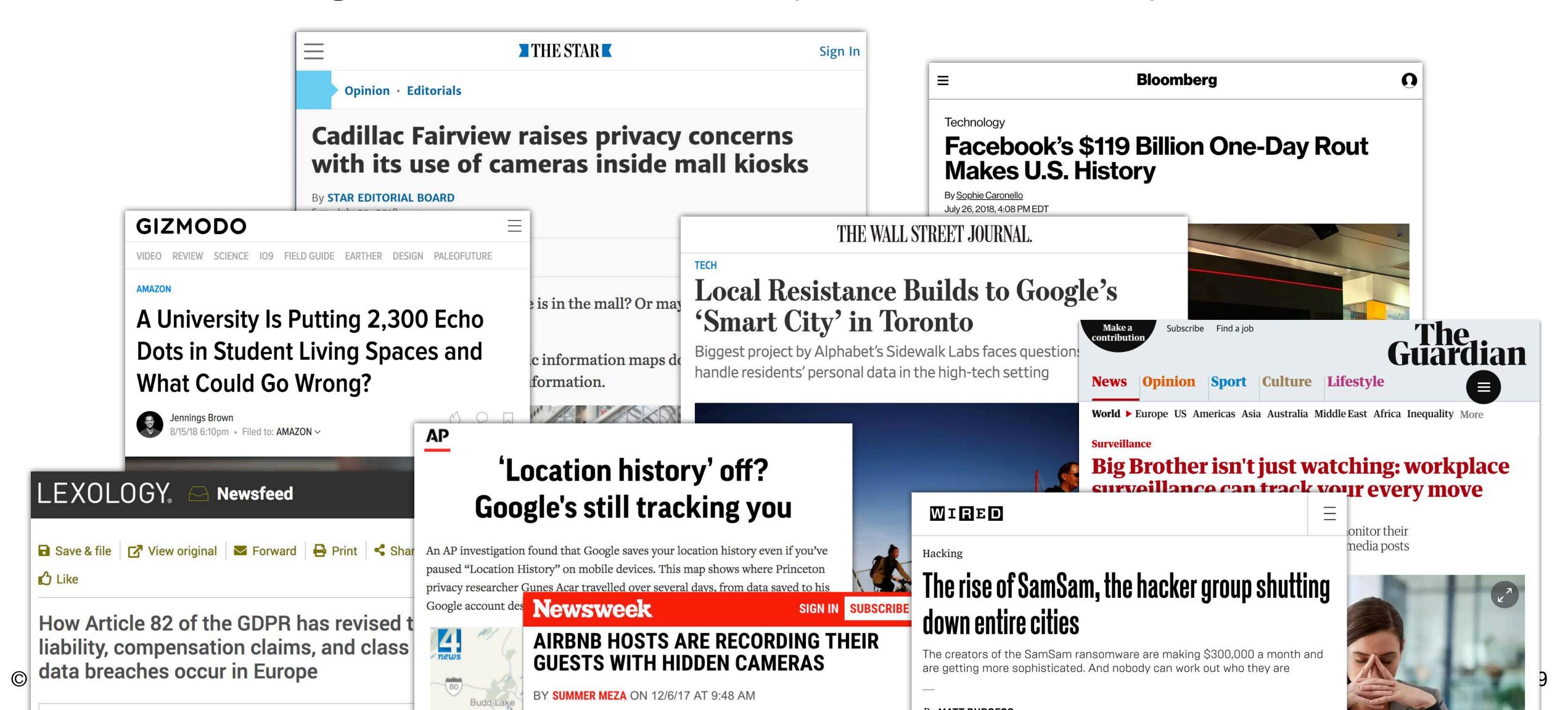


© Dror Poleg / Rethinking.RE Source: Mike DelPrete

Data is setting the foundation for new kinds of real estate fund managers.



But data is also a time bomb: Introducing new financial, reputation, and political risks.



There is a high price to pay...



Venture capital is becoming real estate capital...

ANDREESSEN HOROWITZ	Cadre, Zumper, Point, and PeerStreet				
	AirBnB, Matterport, Zumber, LiquidSpace, Dynasty, NextDoor, Otto				
SEQUOIA	Skyline.Al, Ziroom, Urwork, 24tidy, Dongpeng, Linshimuye, Plateno				
khosla ventures	Cadre, OpenDoor				
USV Union Square Ventures	Flip.Lease, RealtyShares				
SoftBank	WeWork, Katerra, Compass, OYO				
BENCHMARK	WeWork, Nextdoor				
ACCEL® PARTNERS	Housetrip, Duetto, Fabhotels, Hotel Tonight, Hotelogix				
General Catalyst Partners	AirBnB, Bowery, Cadre, RealtyShares				
NEA	OpenDoor, CVent, 42Floors, Zumper				

...and real estate capital is becoming venture capital.





























- Invitation Homes, a tech-driven housing management venture
- Invested in VTS, Entic
- Acquired The Office Group

Brookfield

- Invested in Convene
- · Set up a \$300m venture capital fund to invest in technologies and platforms that affect its



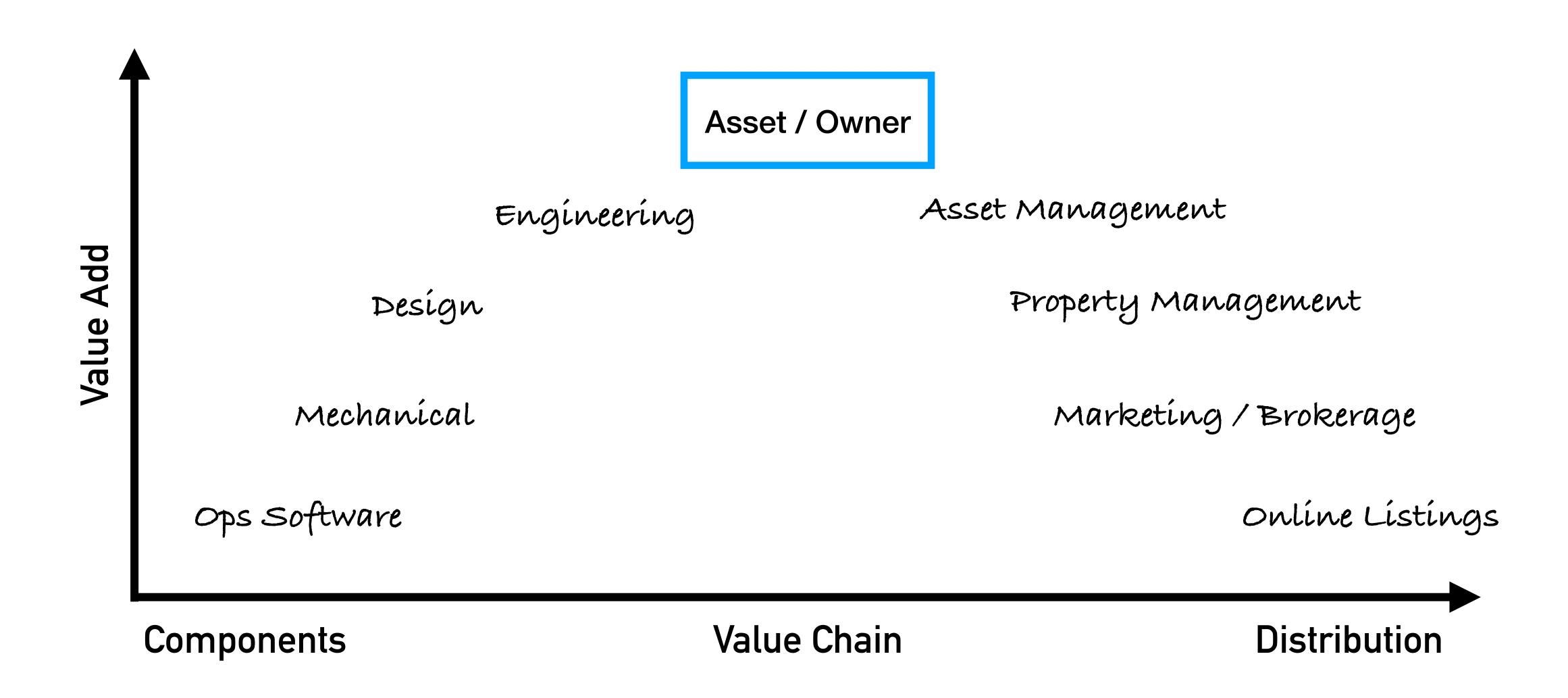
- Invested in JustCo, a coworking operator
- Invested in Nova, a rental / coliving / residential management platform
- Set up the Bridge Forum to connect Asia property investors to Silicon Valley

Let's recap

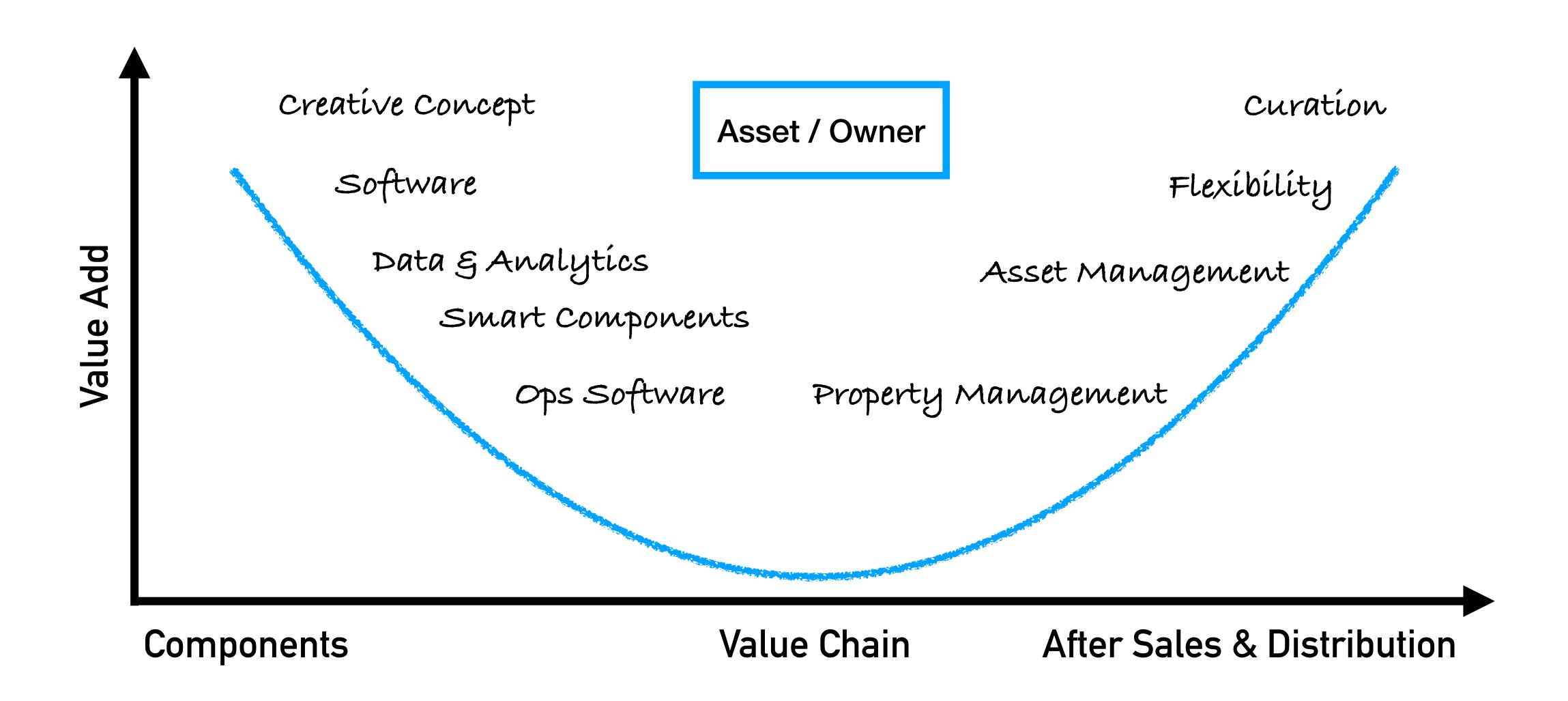
- The traditional defenses are losing their power — location, accessibility, visibility, zoning, capital, information.
- 2. Boundaries between asset types are blurring.
- 3. Competition is shifting to new dimensions— flexibility, service, meaning.
- 4. The value of an asset is increasingly dependent on its operator.
- 5. Real Estate assets can be monetized in new and exciting ways.

- 6. Networks of buildings can create new synergies and value.
- 7. Companies of various sizes and kinds are suddenly in direct competition.
- 8. An abundance of venture and PE capital is funding the transformation of the industry.
- 9. The Channel is becoming as important as the Product.

The traditional Real Estate value add distribution



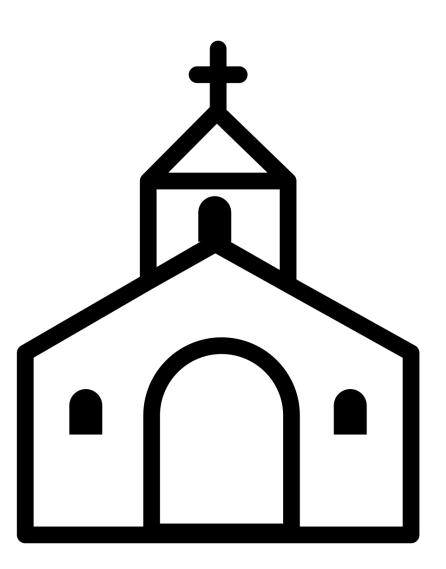
The Real Estate Smiling Curve



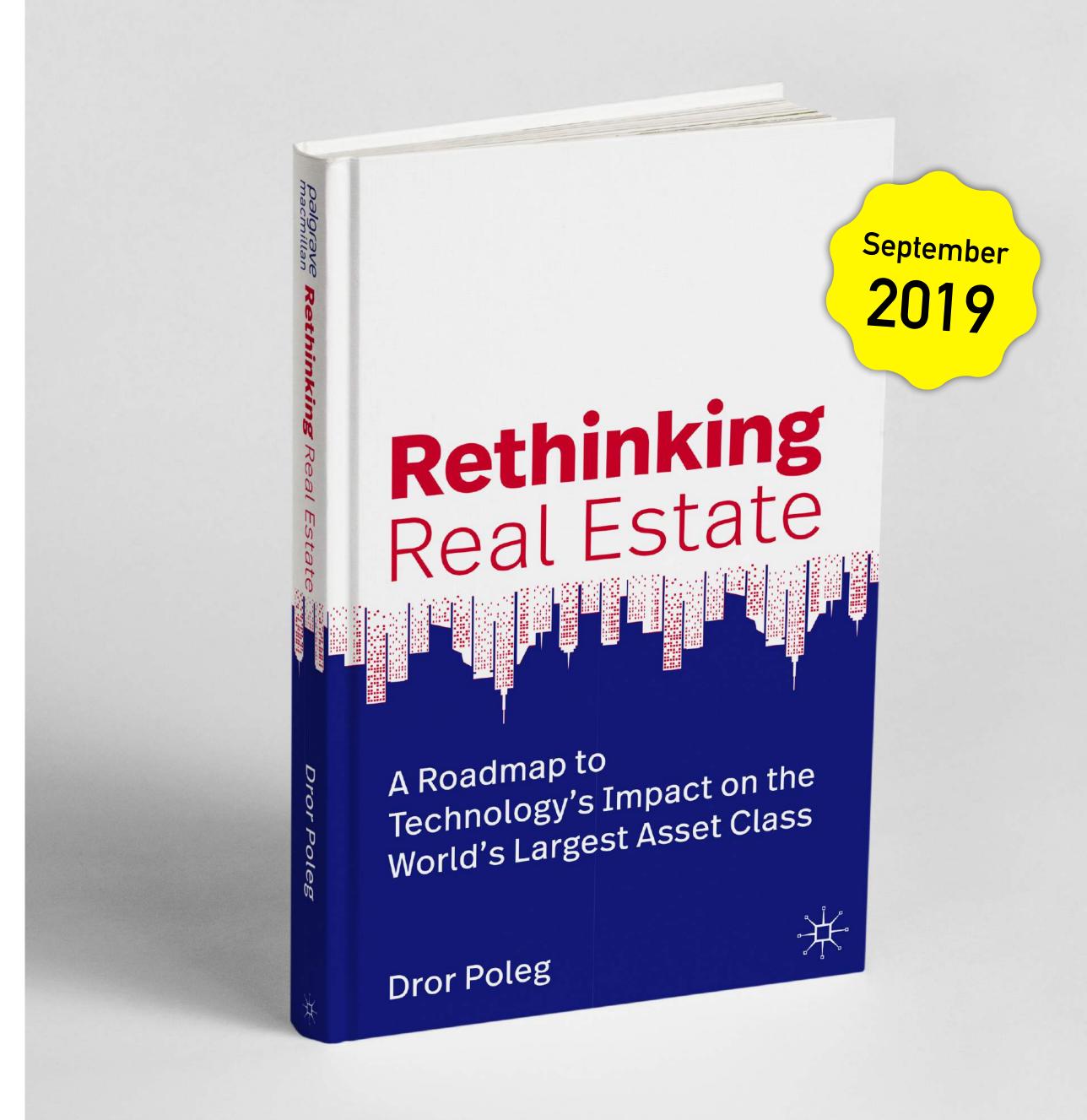
How to make the most of it?

Back to Churches: What made them so successful to begin with?

- 1. Focus on the needs & aspirations of specific individuals
- 2. Have a tangible and intangible value proposition
- 3. Take the physical world is a given, focus on what's missing
- 4. Constantly reconsider your alliances & adversaries
- 5. Leverage network effects (a platform, not an individual asset)
- 6. Obsessive dedication to documentation and data
- 7. Align the incentives of all stakeholders
- 8. Treat uncertainty is an ally

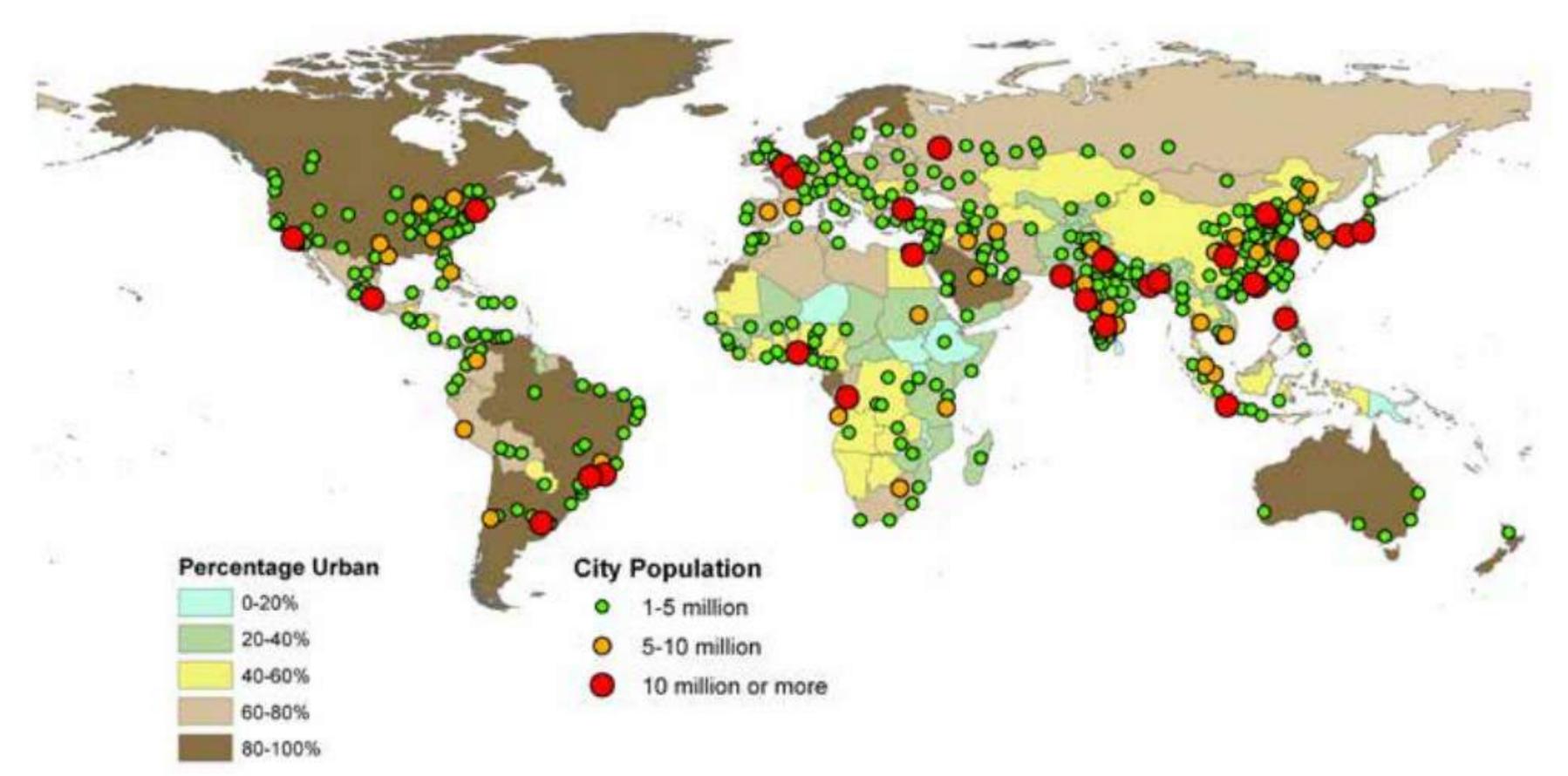


Thank you. Questions?



What's happening with humans?

In recent decades, nearly all of global population growth has been concentrated in cities with a population of over 1 million, where about 20% of global population currently lives.



© Dror Poleg / Re <u>EconTalk</u> and <u>WEF</u> May 2019

About 10,000 people turn 65 in the US each day. The home ownership rate for these retiring Baby Boomers is 75%.

TABLE 1

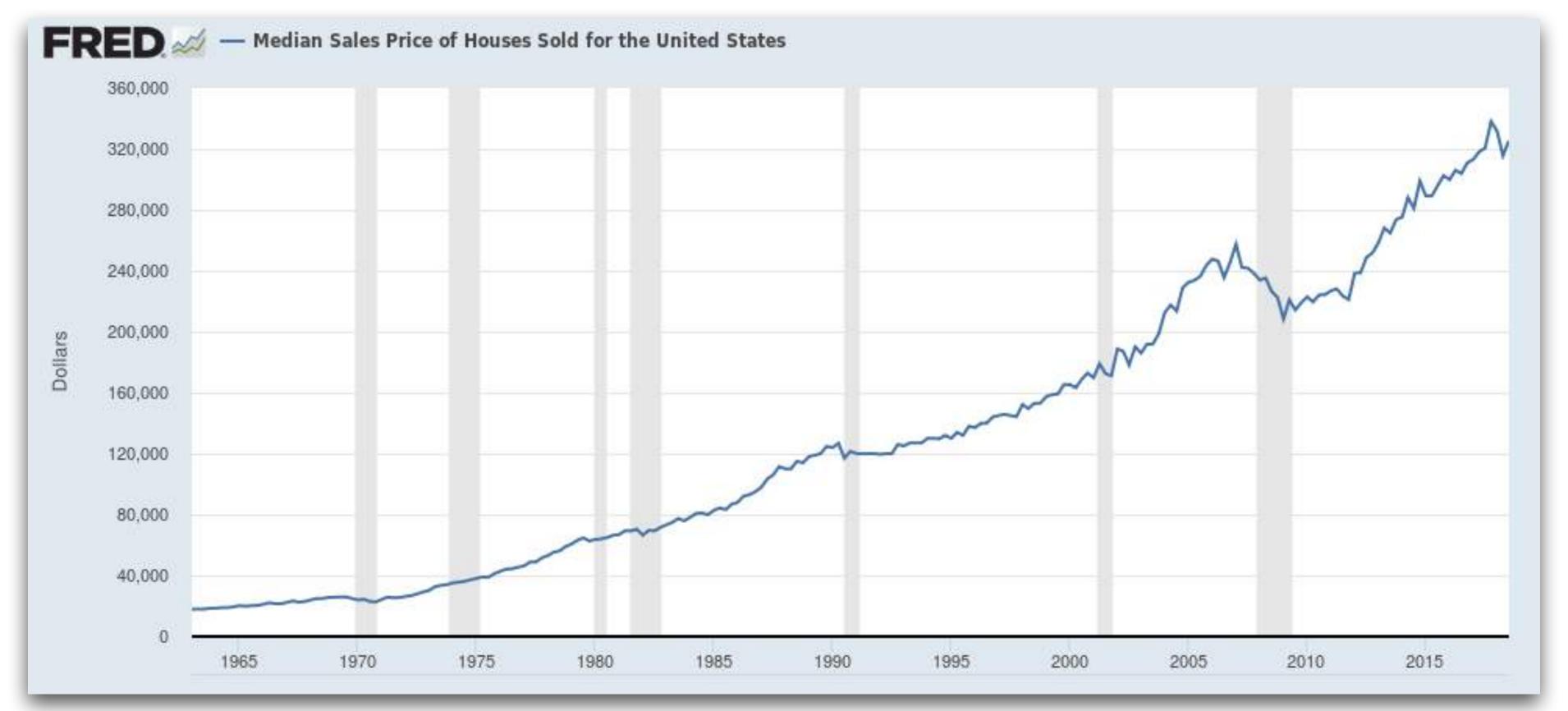
Homeownership among Baby Boomers, Gen Xers, and Millennials in 2015

	Years			Current	Homeownership at age
Generation	born	Age	Population	homeownership (%)	25-34 (%)
Millennials	1981-97	18-34	75,170,263	32.2%	37.0%
Gen Xers	1965-80	35-50	66,441,487	60.4%	45.4%
Baby boomers	1946-64	51-69	74,649,971	75.0%	45.0%

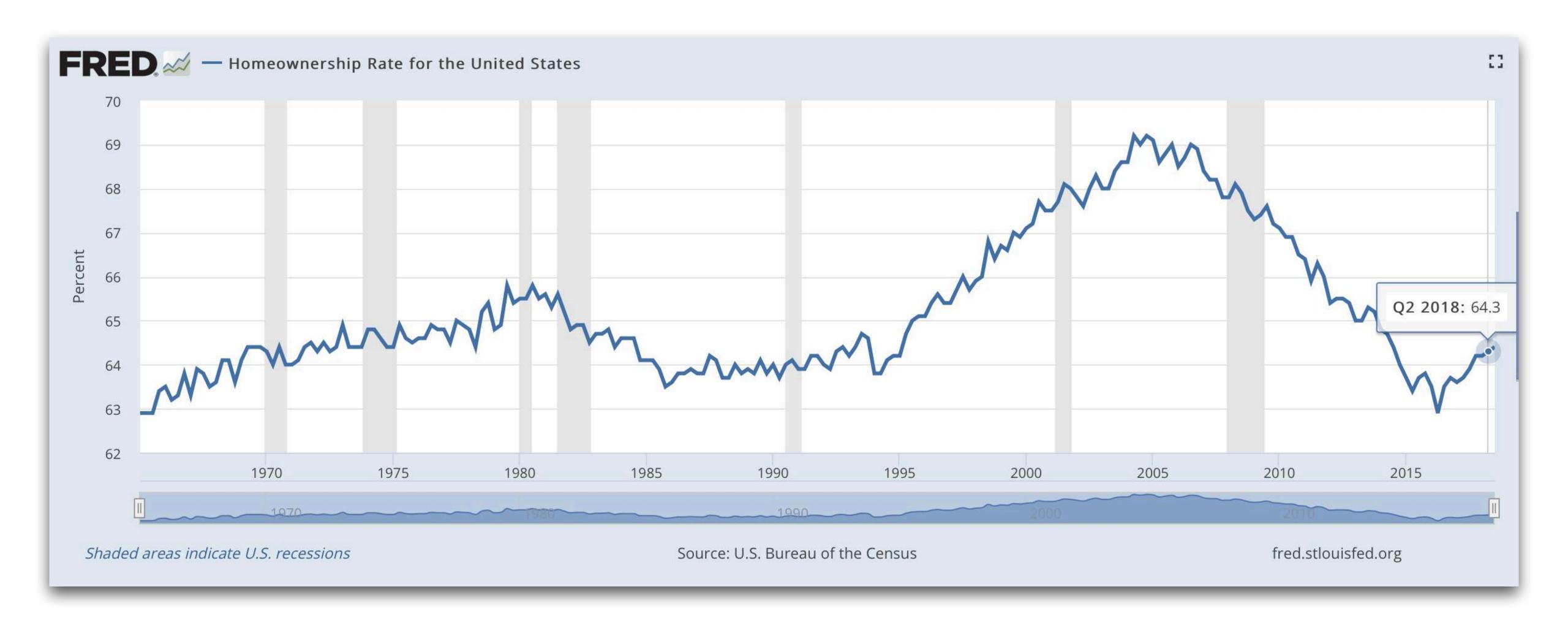
Sources: 1990 and 2000 Decennial Censuses and the 2015 American Community Survey.

¹ Pew Urban Institute

The US median house price is around \$300,000. Assuming 10% of them are planning to move once they retired — that's \$300 million in housing stock hitting the market per day.



General home ownership is close to its lowest point since the 1960s, especially for those under 30.



Even more broadly, the symbolic role of a "home" as a way to define oneself and communicate values is changing.

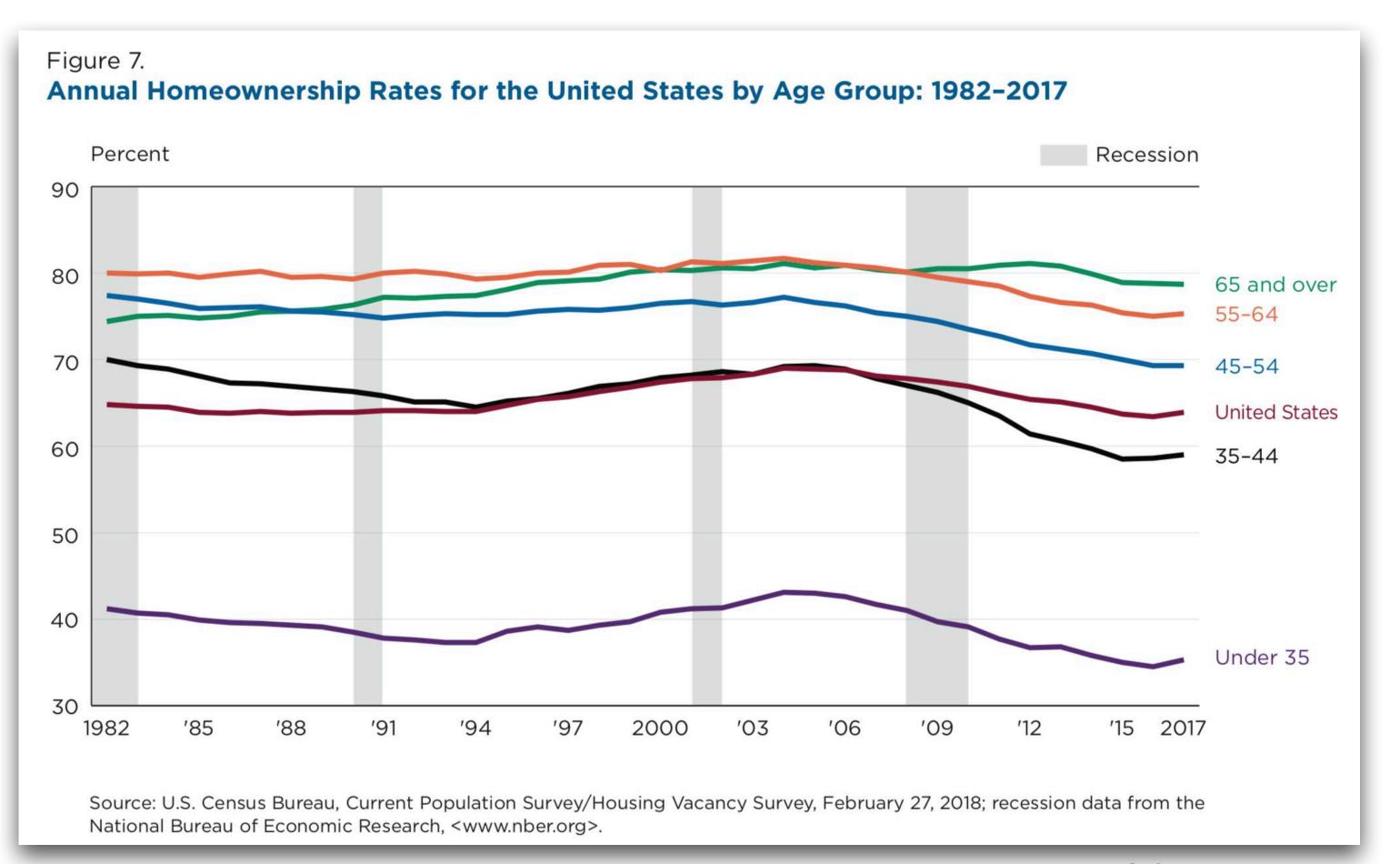
CRITIC'S NOTEBOOK

The Existential Void of the Pop-Up 'Experience'

I went to as many Instagramable "museums," "factories" and "mansions" as I could. They nearly broke me.

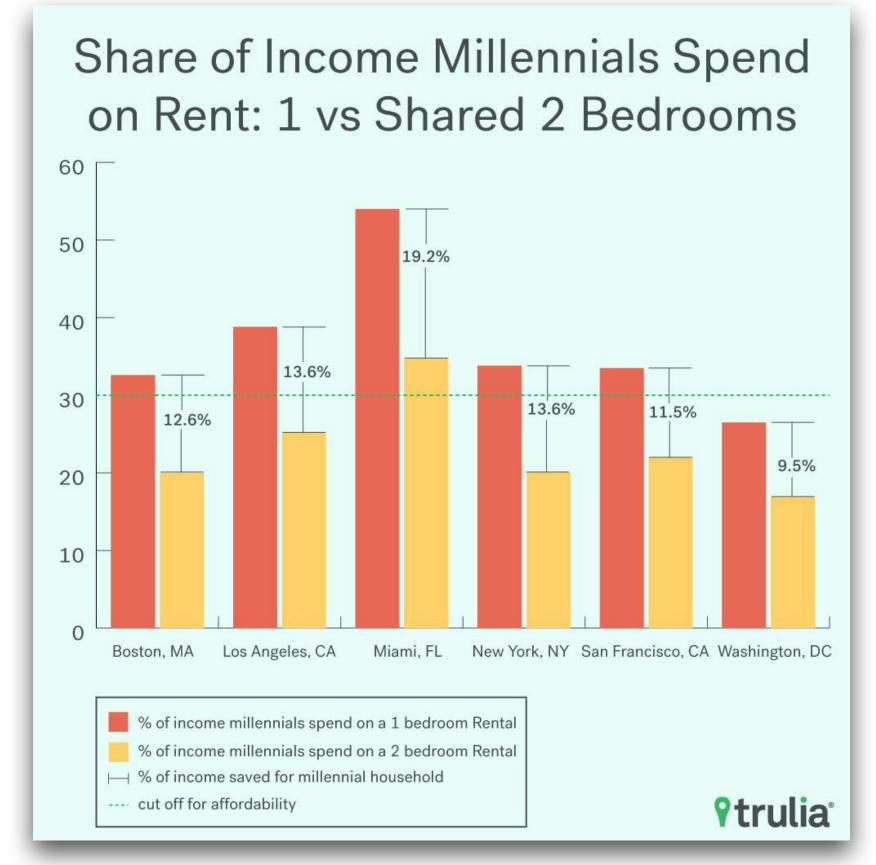


But "millennials" are not the only ones with declining home ownership. Other generations are increasingly renters as well.



Rent is outpacing income growth, encouraging people to live with roommates. In big cities, sharing an apartment can lead to dramatic savings.

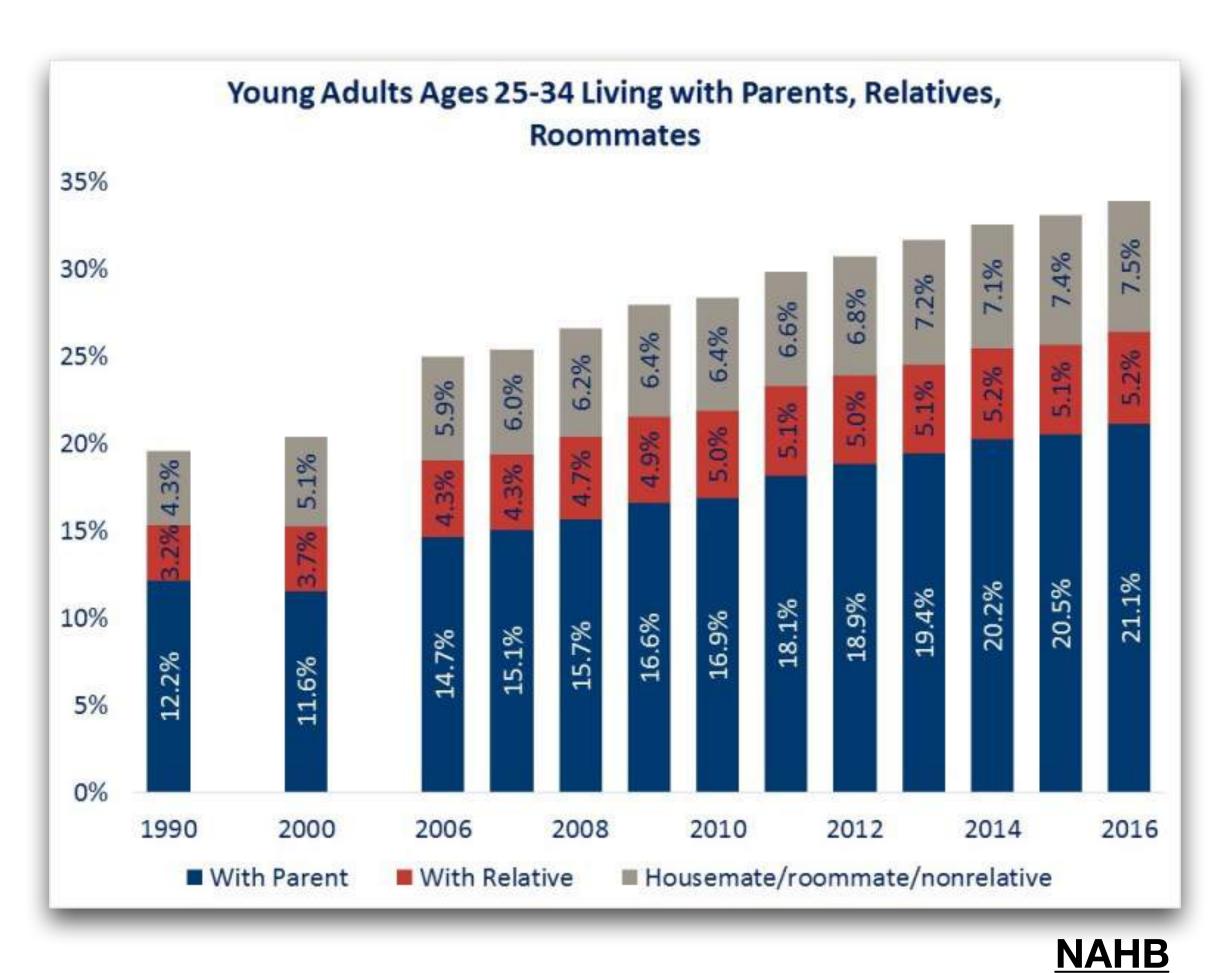




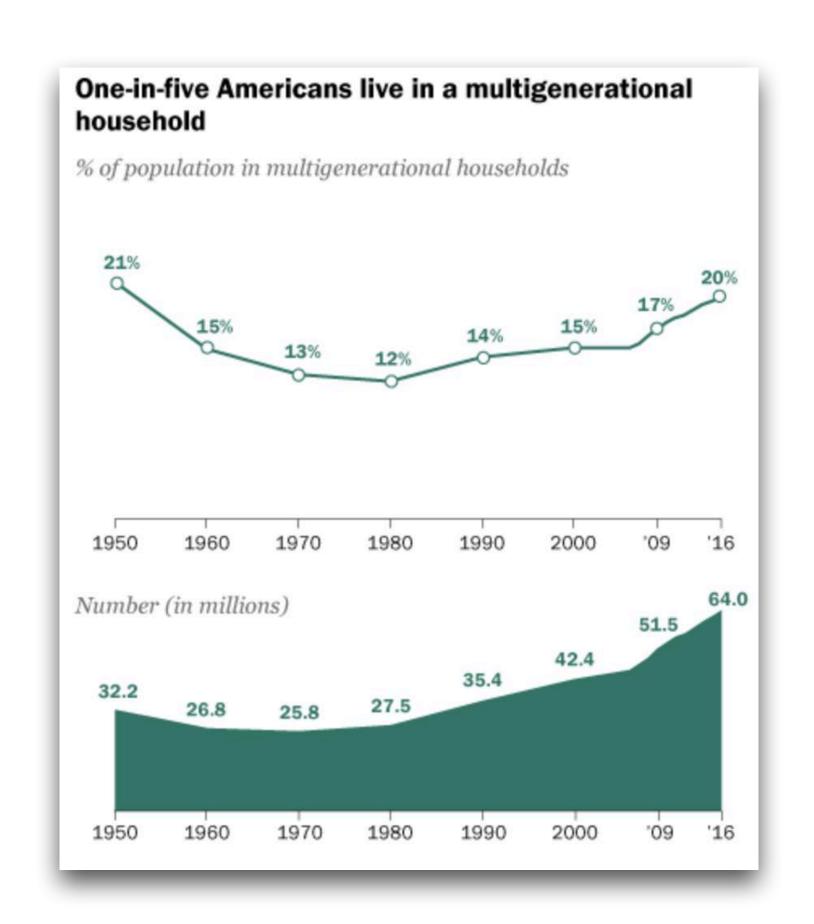
StreetEasy

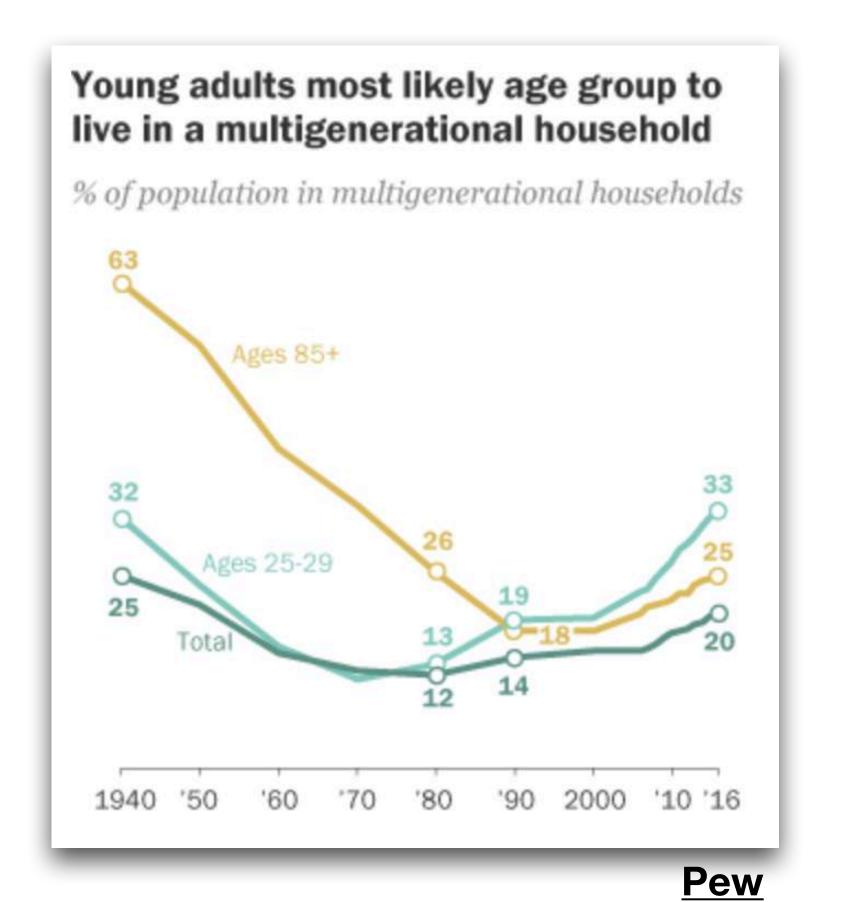
<u>Trulia</u>

As a result, the number of adults living as roommates had almost doubled over the last 30 years, including with relatives.



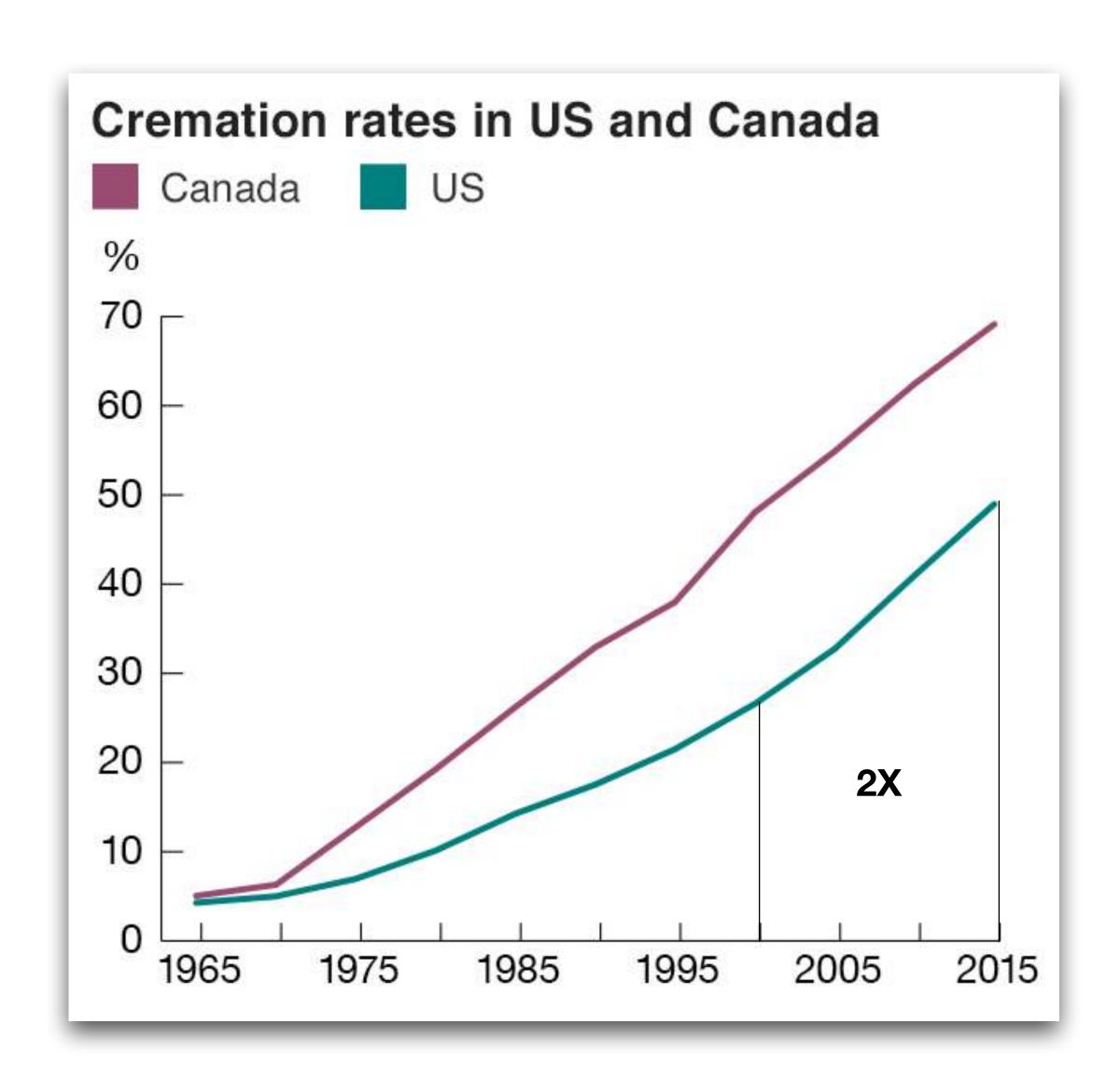
Many are living with roommates well into their 30s and 40s. A record number of people live in multigenerational households.



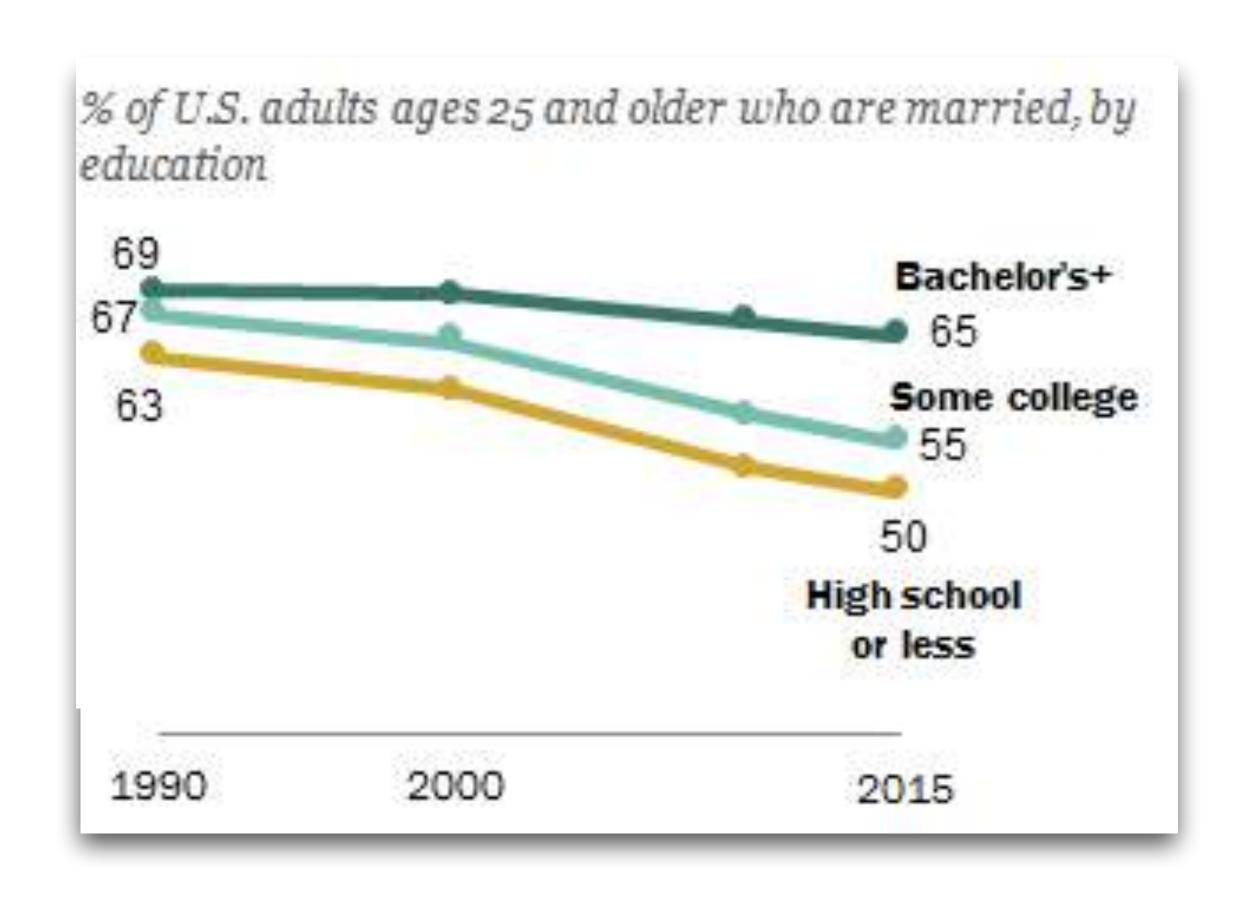


Even death does not take as much space as it used to...

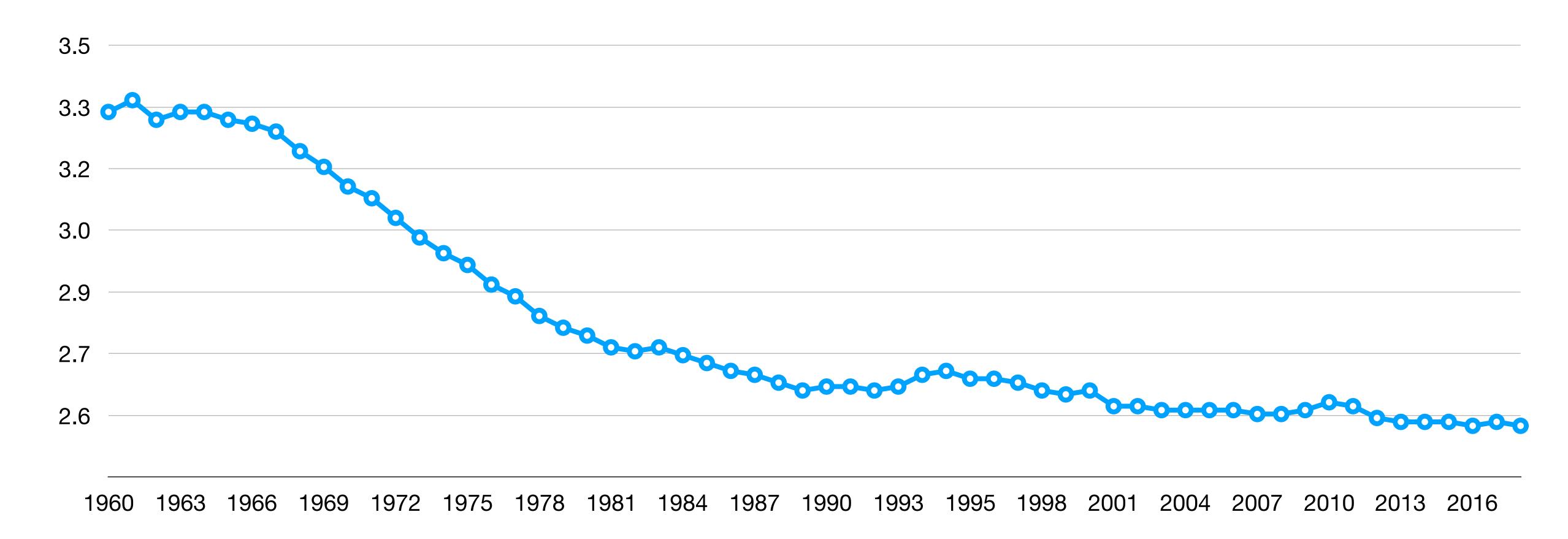
- Price
- Flexibility (moving)
- Environmental concerns
- Faith & Religious Acceptance
- First step in other ways to remembers



In the US, about 50% of adults are married, down from 72% in 1960. Marriage rates vary significantly with level of education.



Which means the average number of people per household is declining — from 4 people 100 years ago to 2.5 today.



People's professional lives are becoming more flexible

Of organizations allow some sort of

Telecommuting

570/0

Of organizations allow some sort of

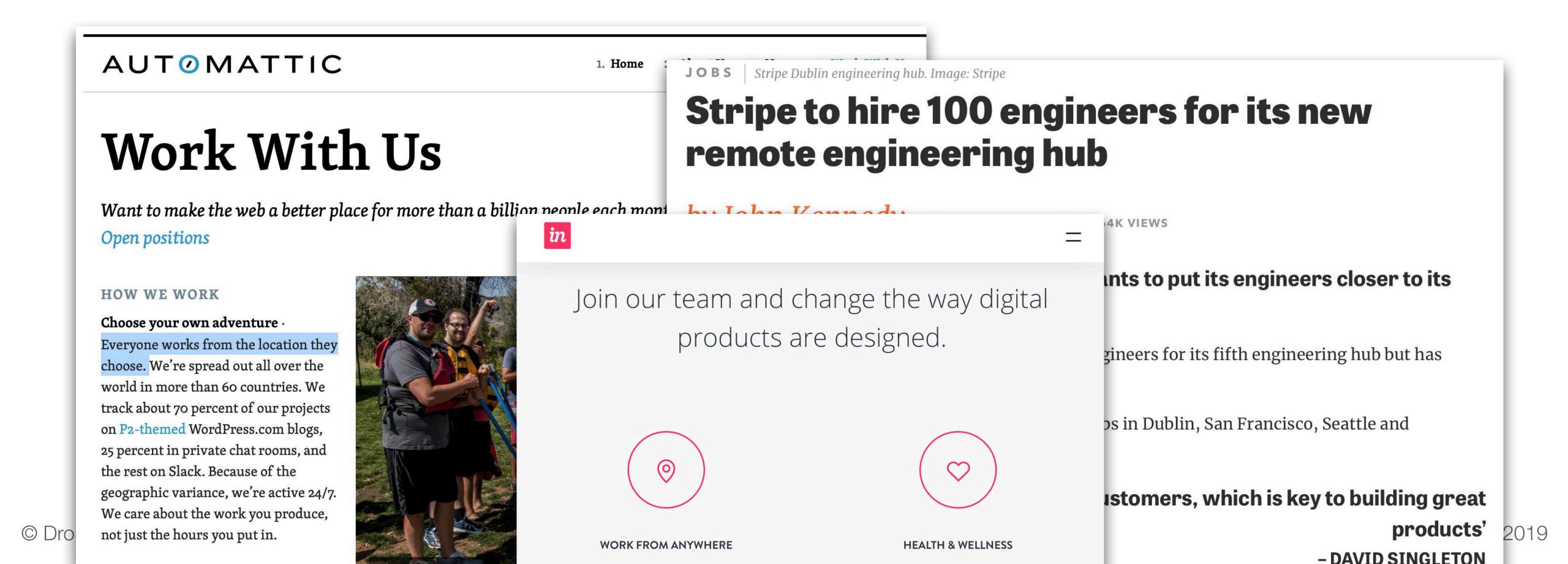
Flextime



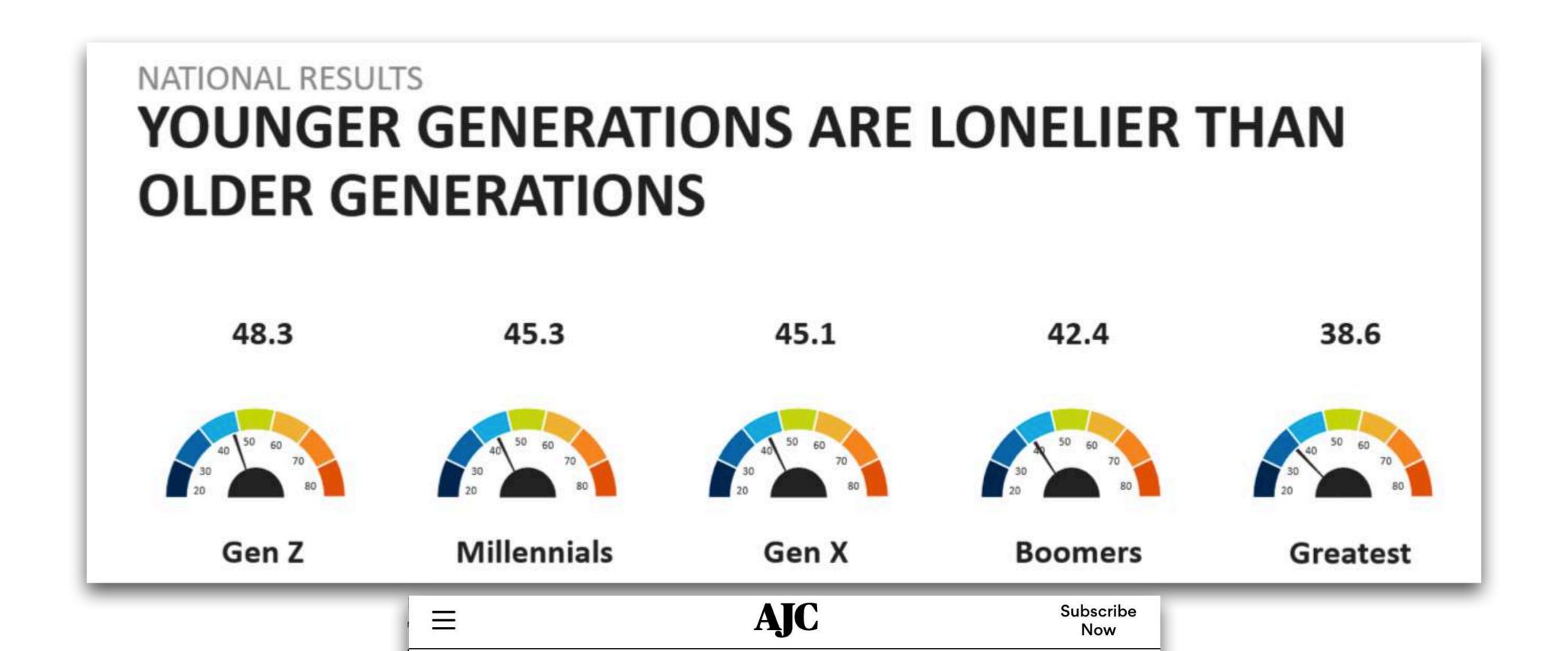
© Dror Poleg / Rethinking.RE

Source: SHRM

A growing number of companies are set up as fully distributed organizations (no HQ)

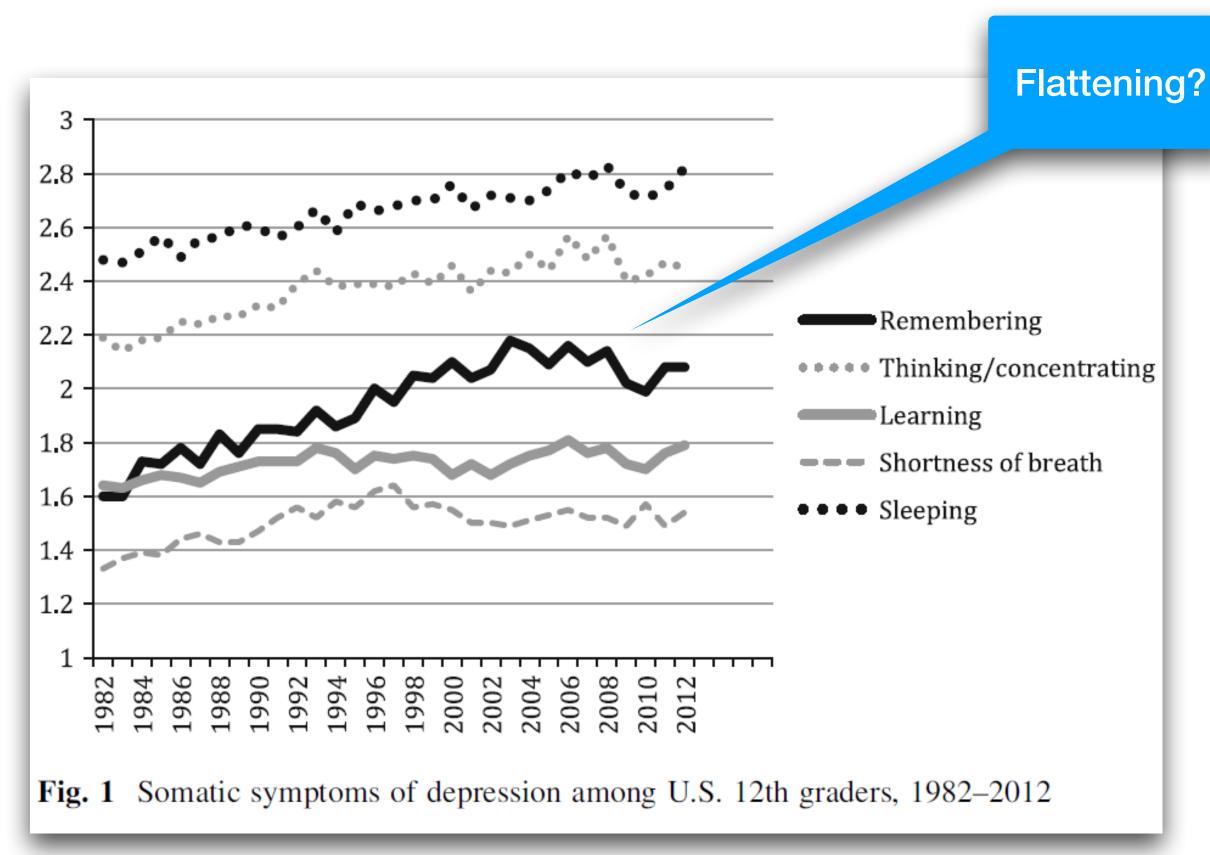


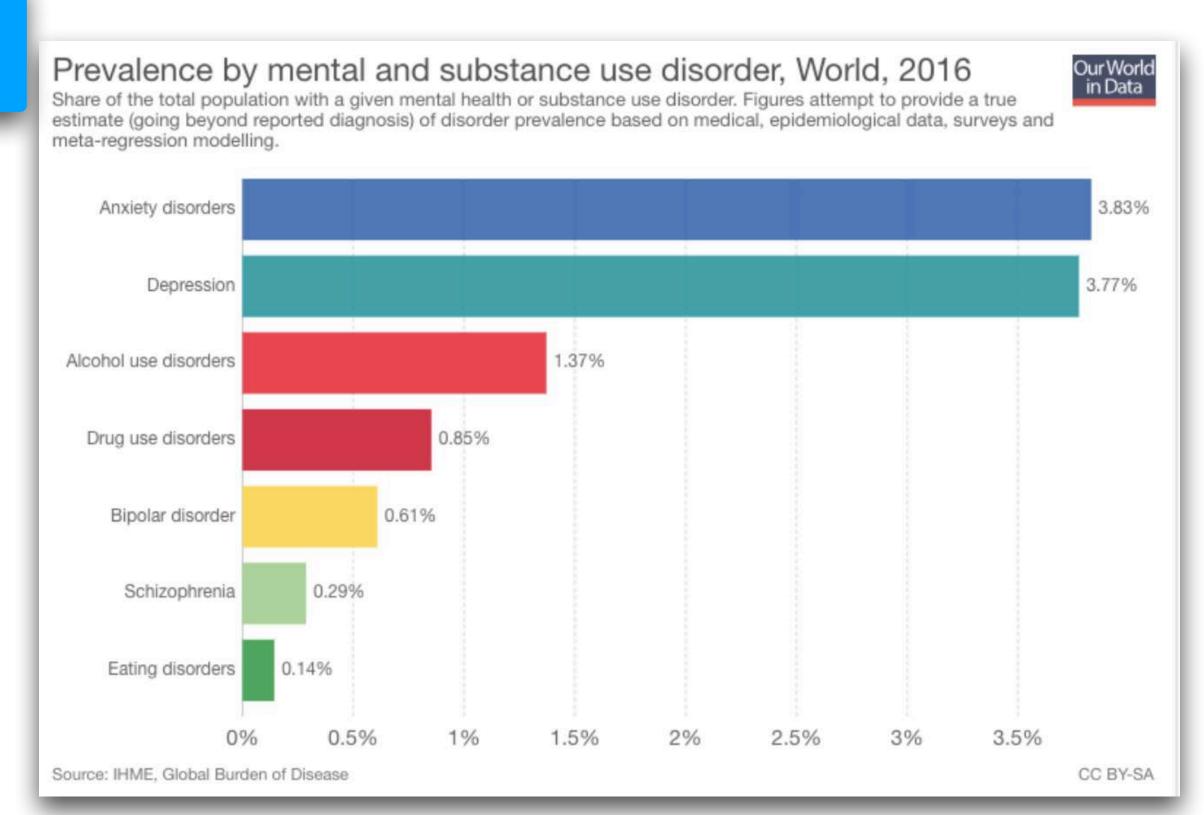
Scarcity of companionship and understanding, especially among younger generations



Why are Americans so lonely? Massive study finds nearly half of US feels alone, young adults most of all

Depression and anxiety are higher than ever, taking a toll on the lives of hundreds of millions of people and exacerbating other medical conditions.





Social Indicators Research

World Economic Forum

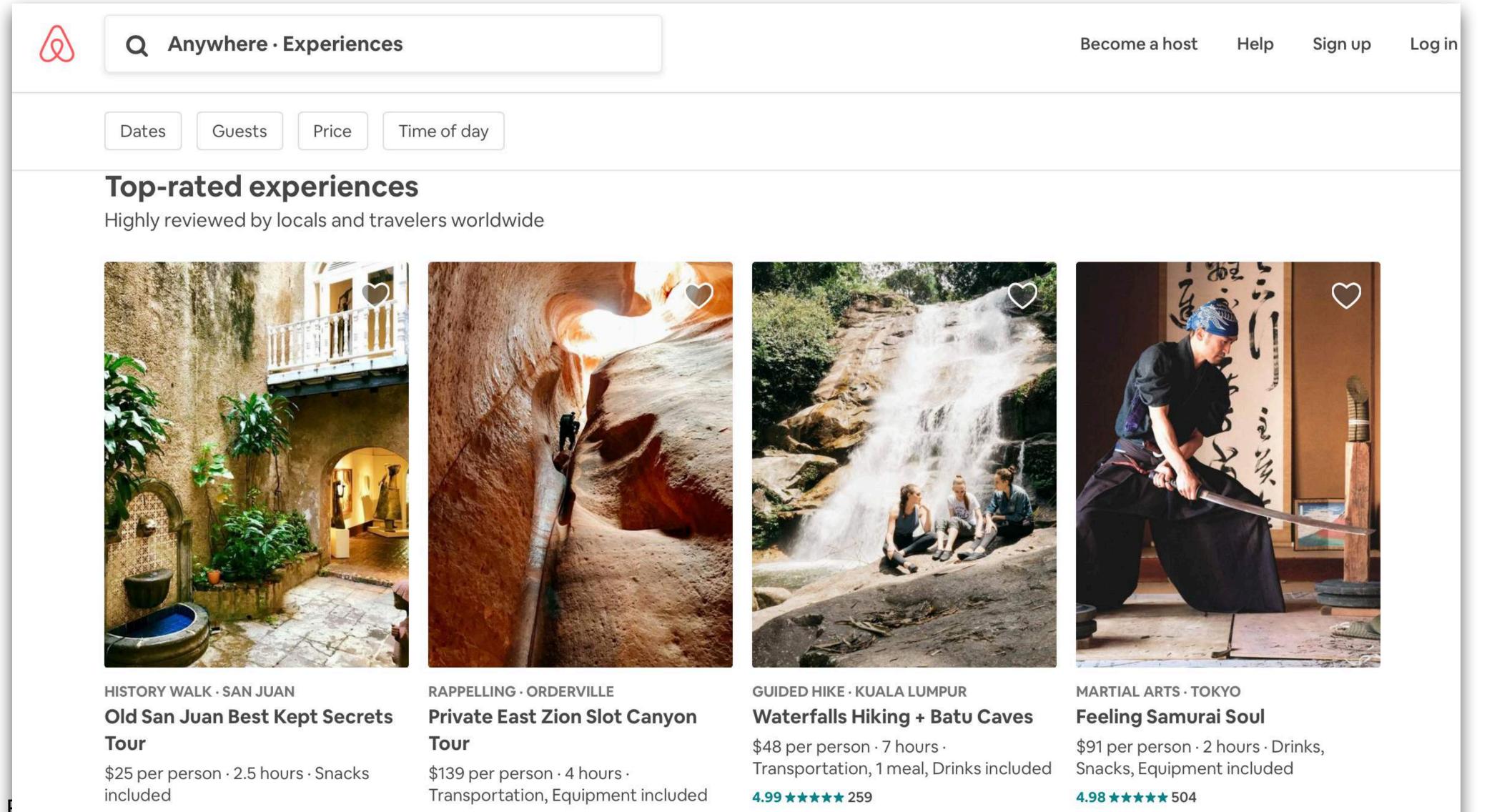
There is scarcity of meaning...

The We Company's guiding mission will be to elevate the world's consciousness. Living a conscious life means choosing to live proactively and with purpose. It means being a student of life, for life, where we accept that we are always growing and in a constant state of self-discovery, self-growth, and change.

A scarcity of agency...



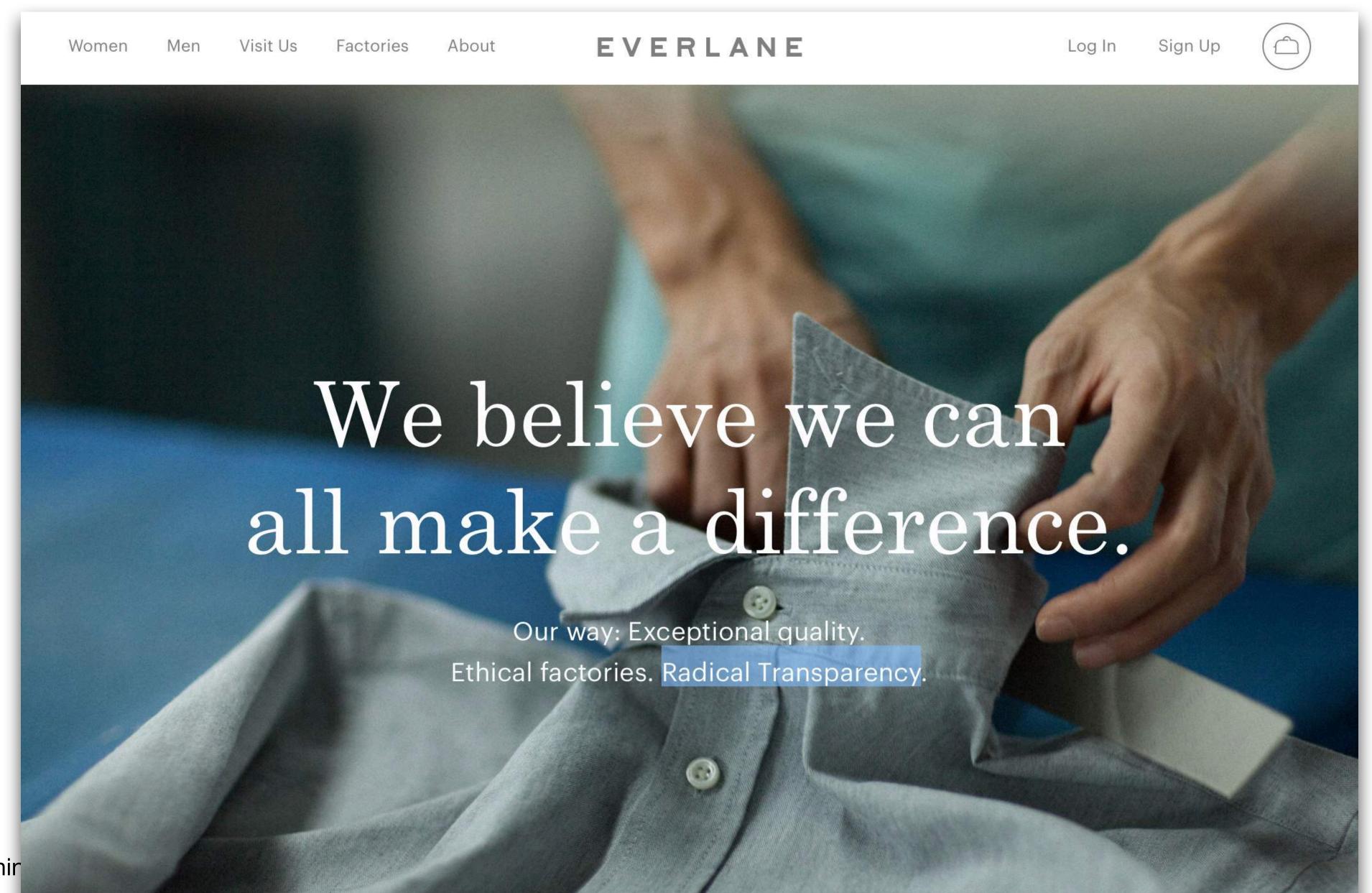
Not just of things, but of experiences as well.



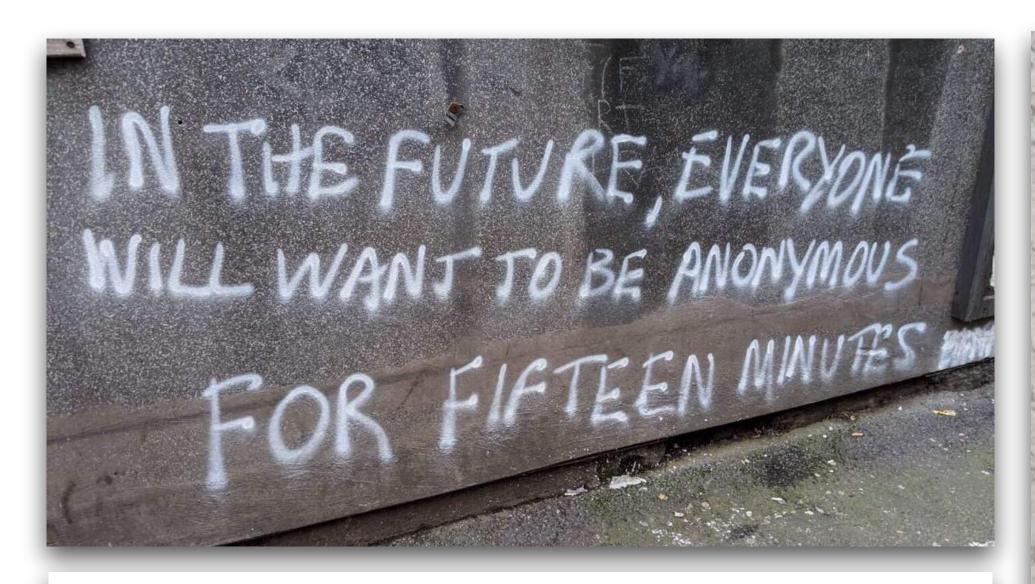
4.96 **** 490

4.99 **** 214

...and transparency into how things are made.



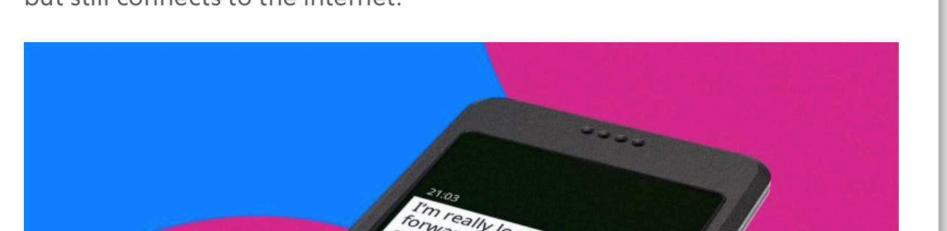
A scarcity of privacy.



09.18.18 | WANTED

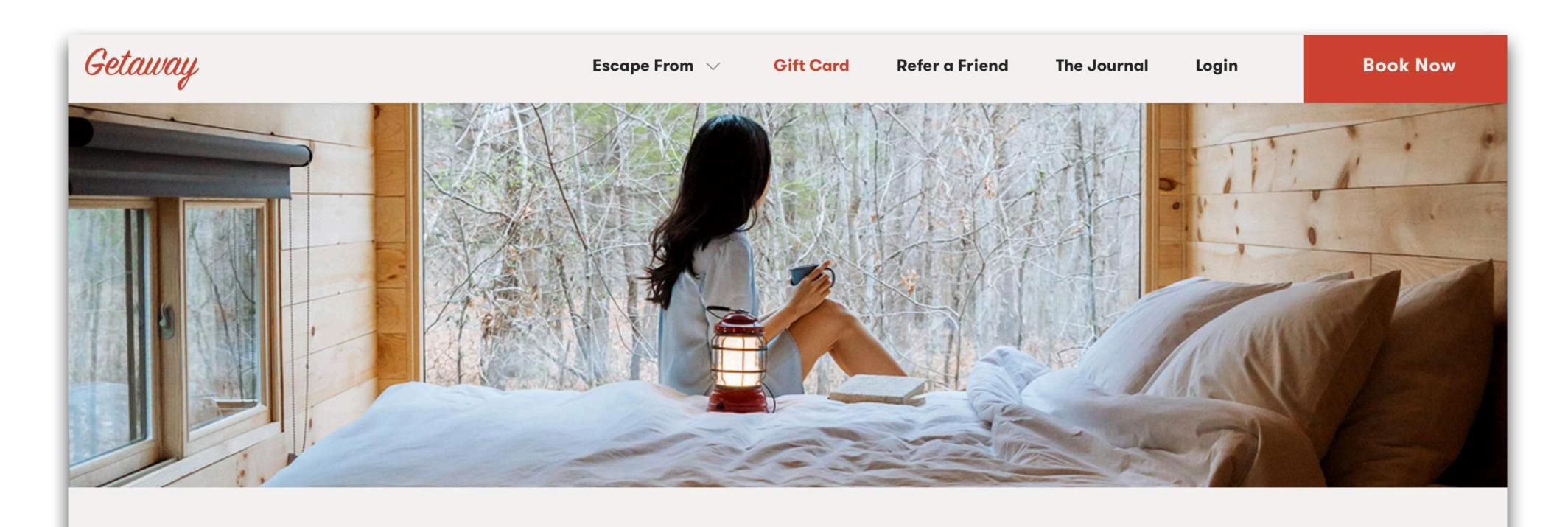
Want to toss your smartphone? The perfect dumbphone is here

Sure, we all want to disconnect, but who can afford to? The Jasper Morrison-designed Punkt MPO2 has the simple appeal of a dumbphonebut still connects to the internet.





And of dis-connectivity...



How It Works



STEP 1

Book Your Escape

Choose your Outpost, cabin size, and dates. We'll send you the exact address of your cabin upon



STEP 2

Sit Back

You'll get an email and text with your cabin name and keycode. Our team will be available by email and



STEP 3

Just Be

Lock away your phone, connect with loved ones, and enjoy nature. You'll have everything you need to

