

Prosthetics

Terminal world

Enchanted Objects

Animism



Advertising wants pixels



Prosthetics

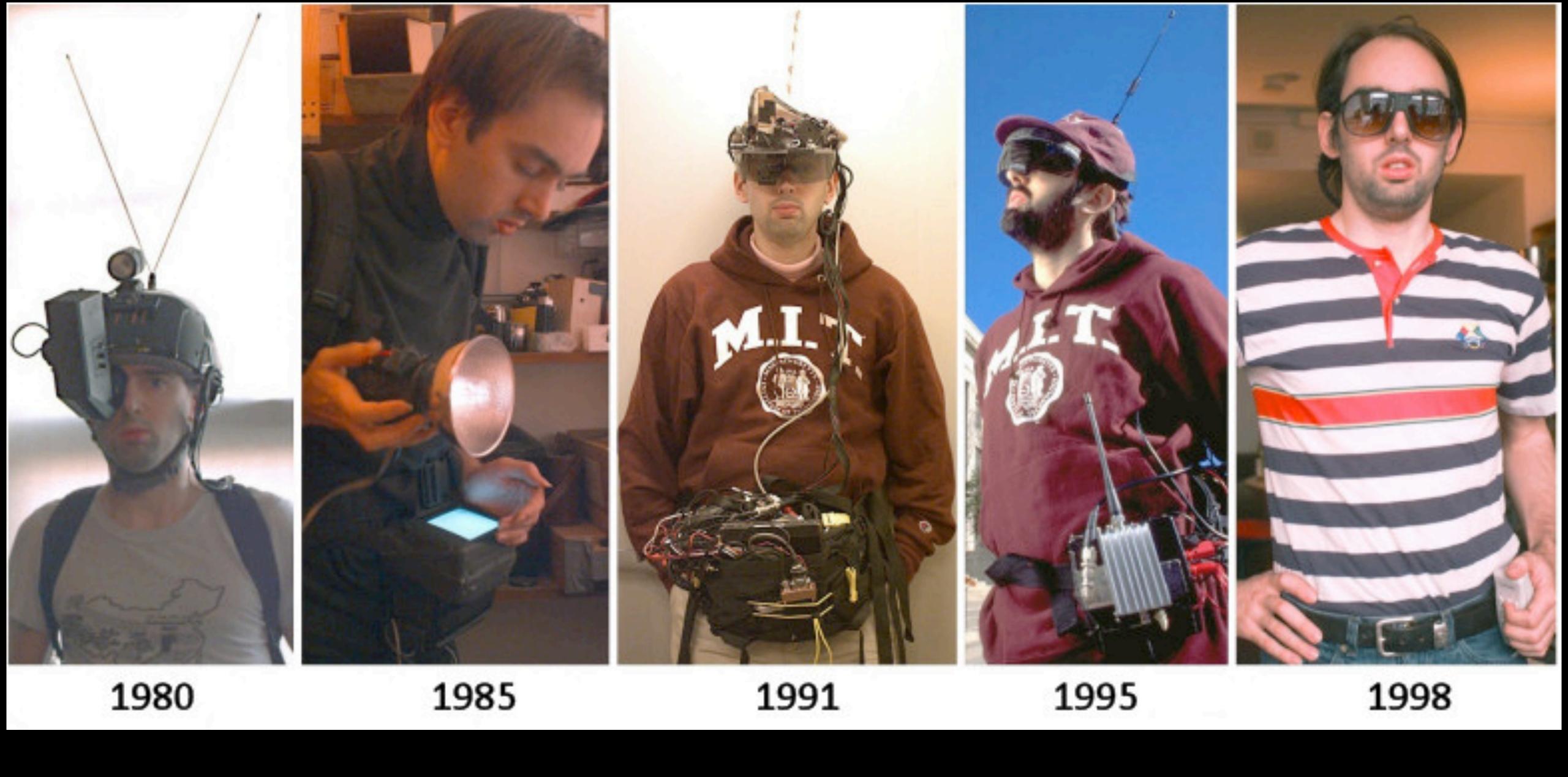
Terminal world

Enchanted Objects

Animism







technology on the face harms social interaction

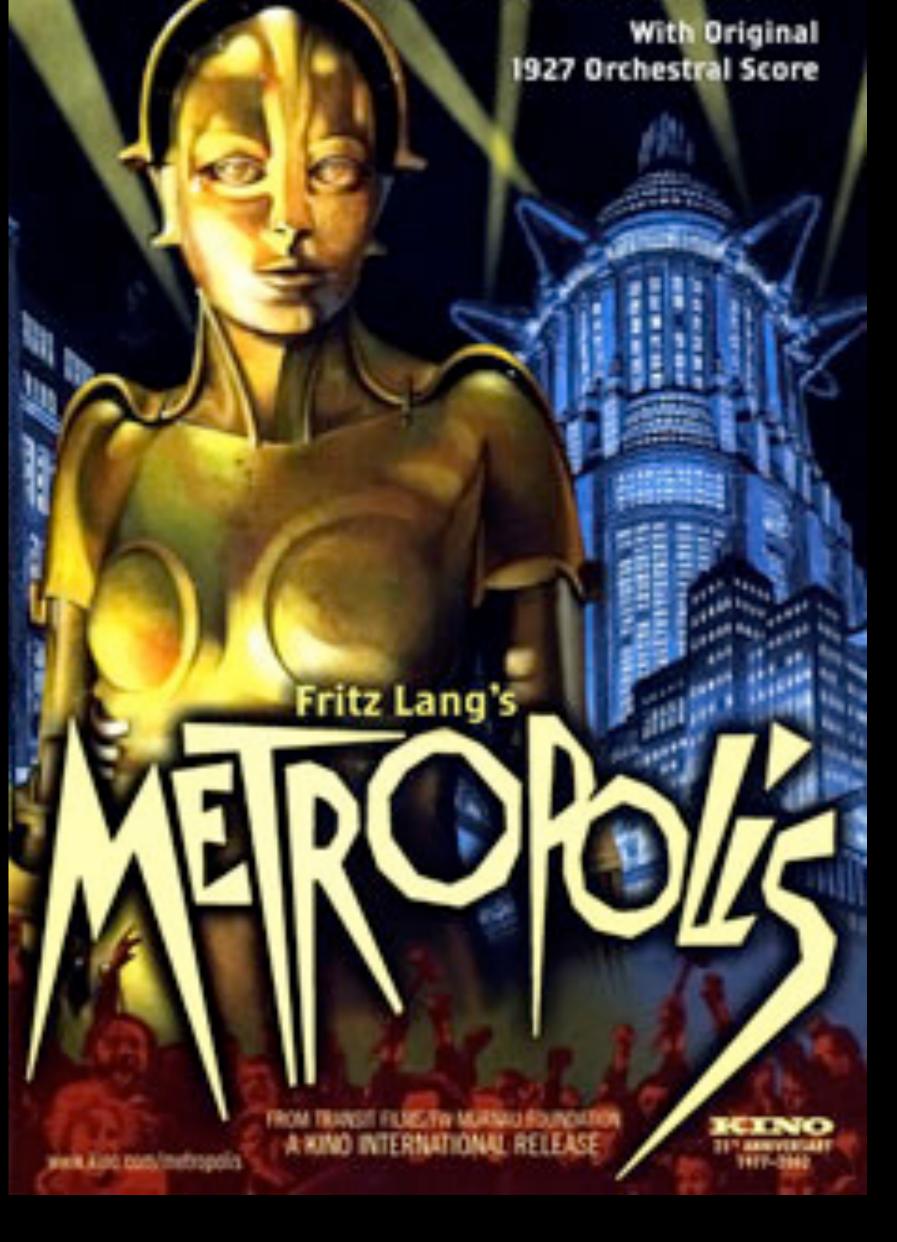


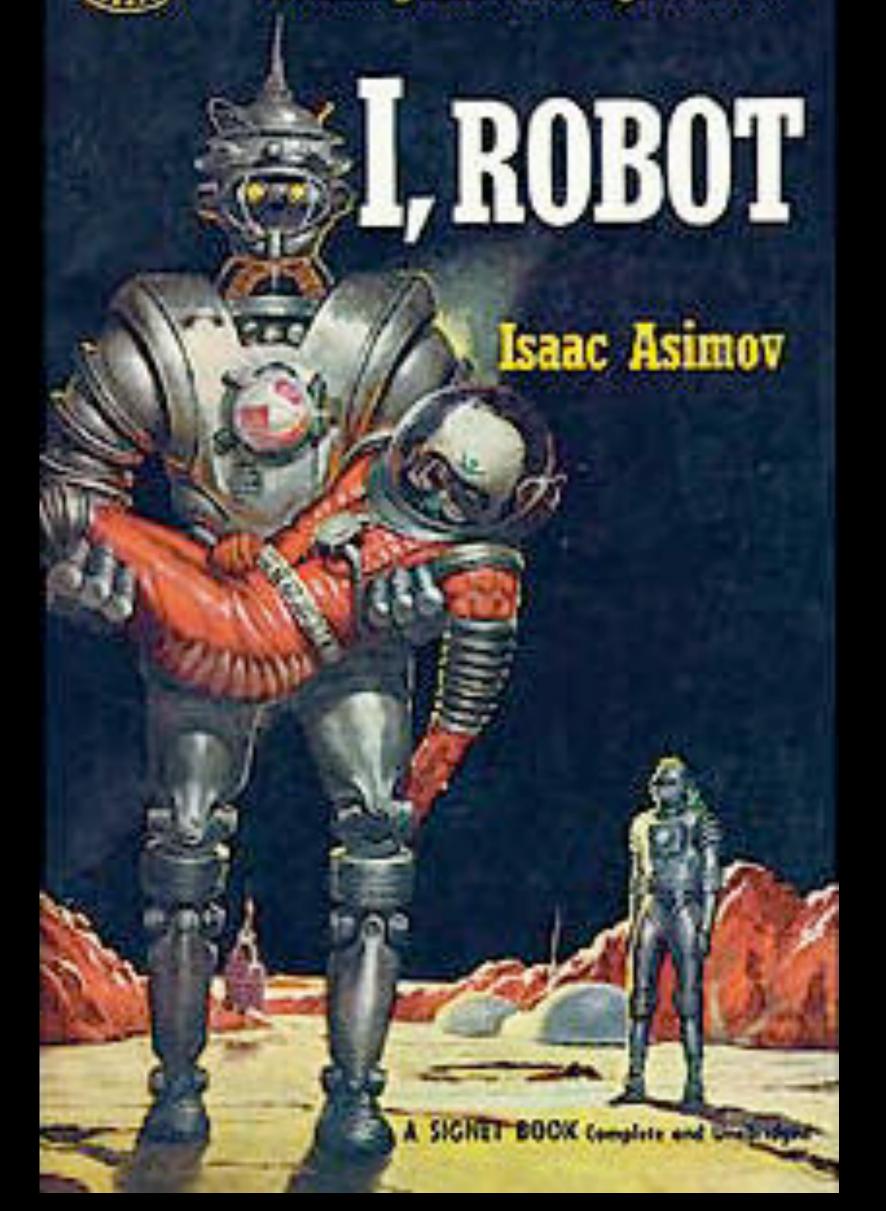
Prosthetics

Terminal world

4 Enchanted Objects

Animism

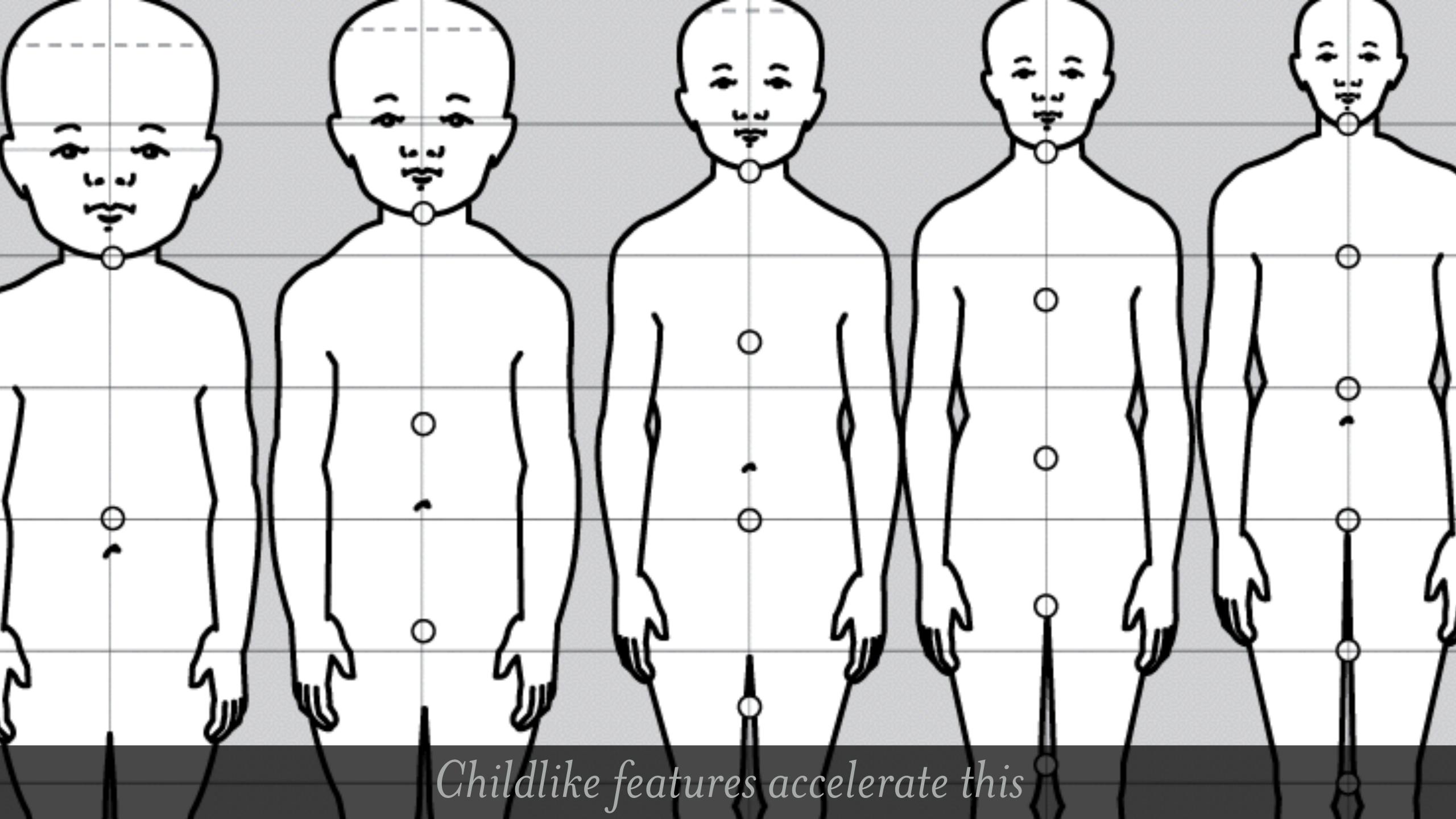






Are interfaces on the way to humanness?









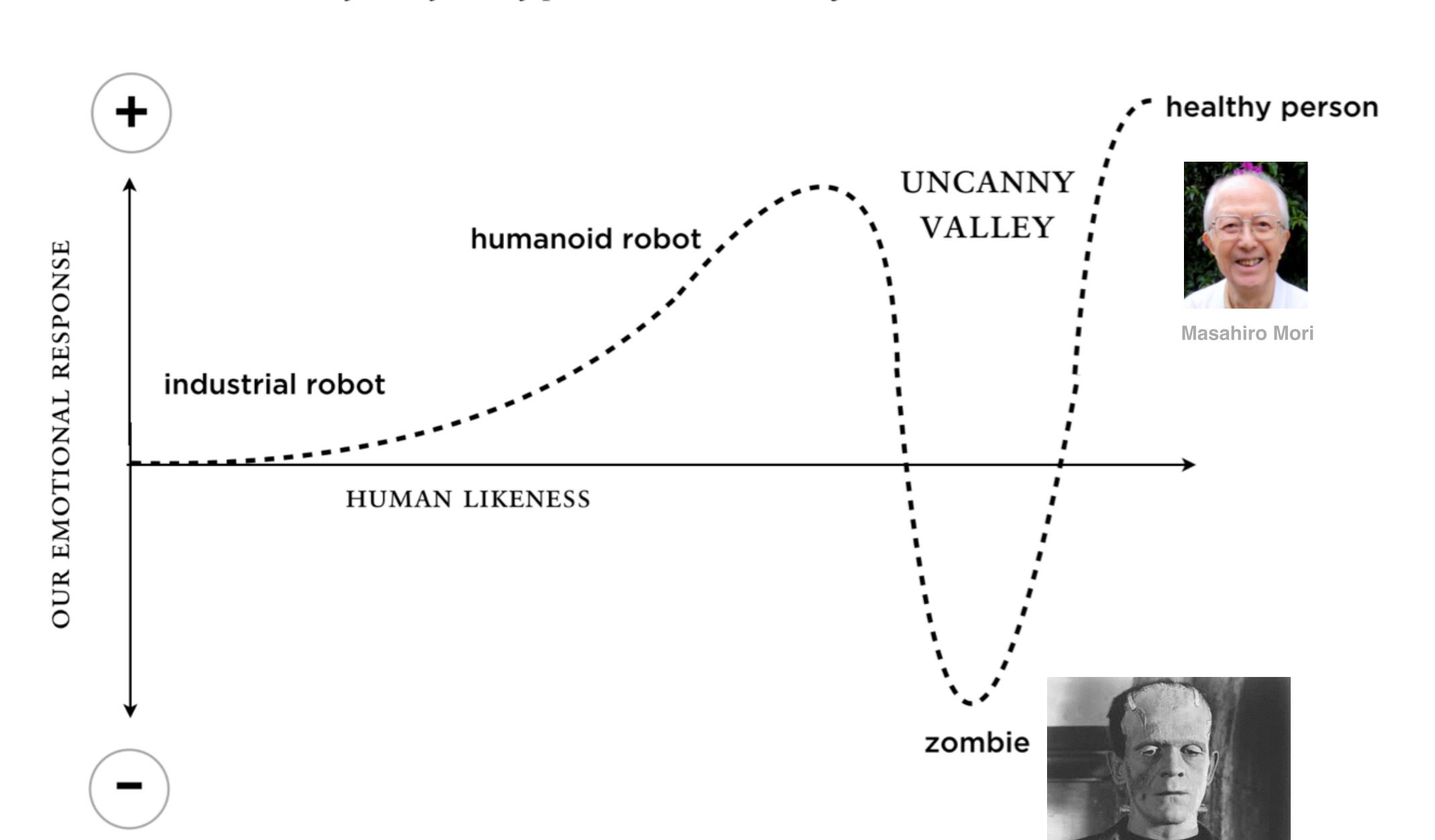


Category confusion threatens our sense of self



THE INEVITABLE ISSUE WITH ANDROIDS

The uncanny valley theory predicts that we will reject almost-human robots

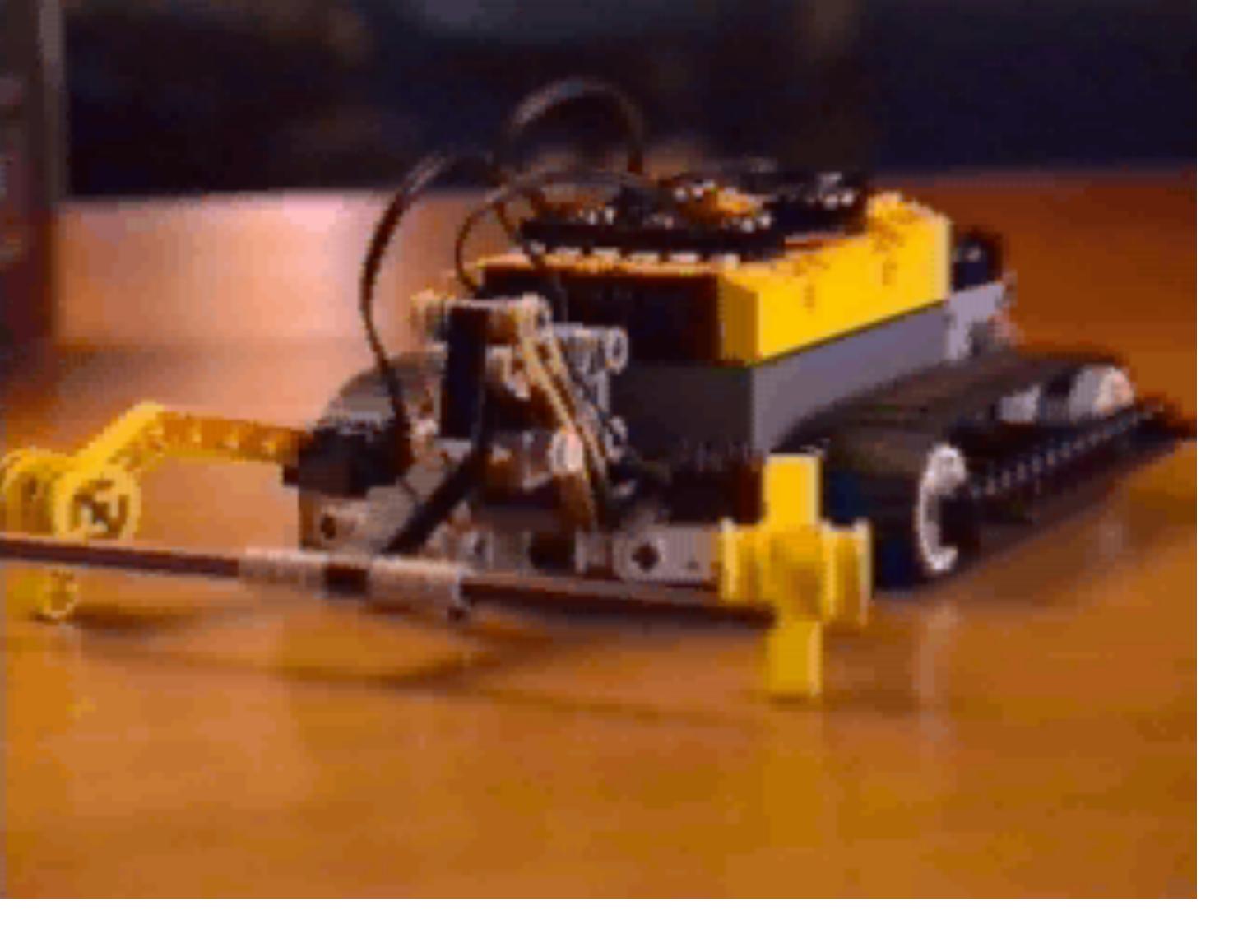


2 Prosthetics

Animism

1
Terminal world

4
Enchanted Objects







Mindstorms



ENCHANTED OBJECTS DAVID ROSE

DESIGN, HUMAN DESIRE AND THE INTERNET OF THINGS

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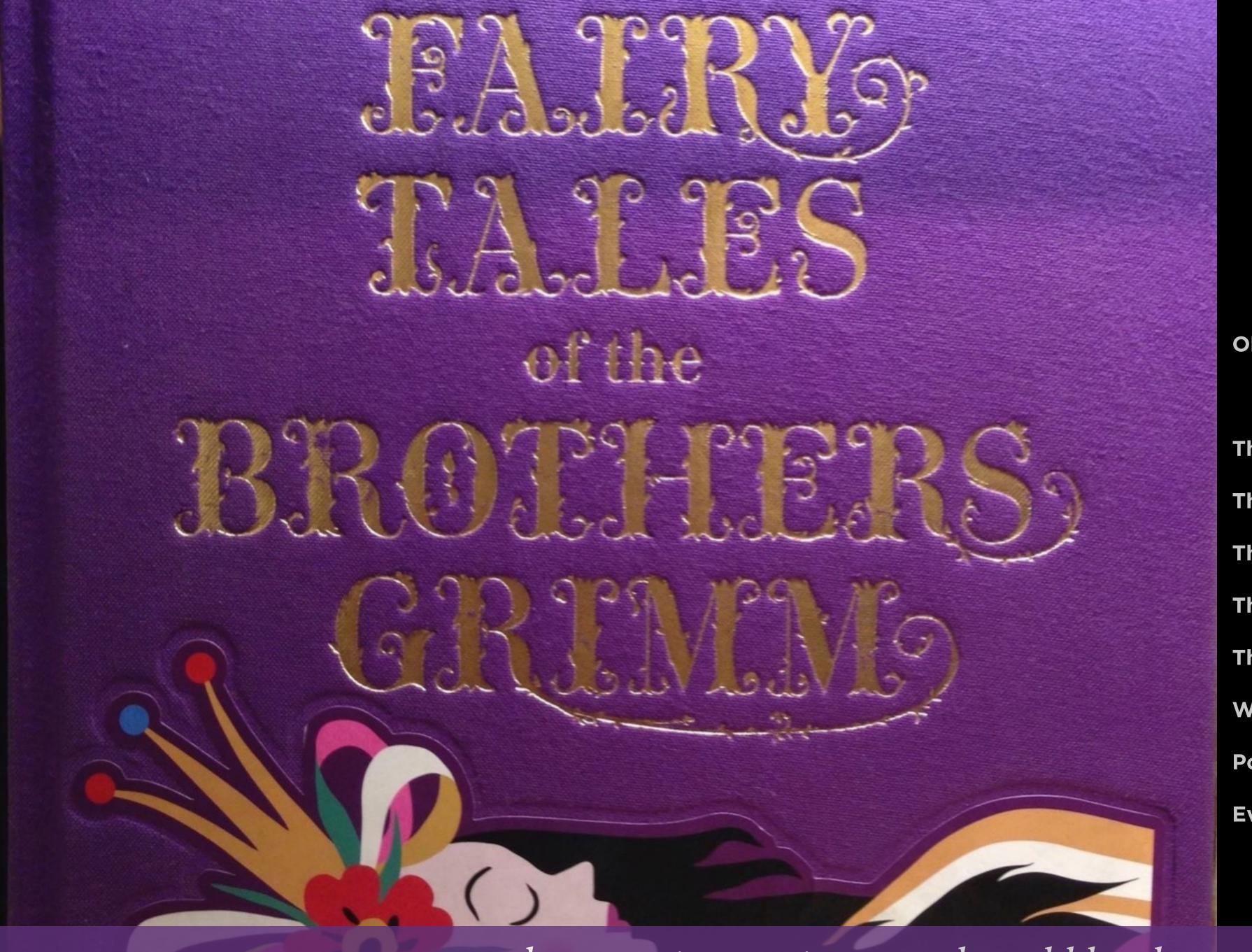








Teleportation shoes



Objects that defy expectations:

The flying carpet that transports us

The invisibility cloak that hides us from danger

The crystal ball that enables us to know the future

The horn or whistle that summons help

The spyglass through which we can see anything

Winged shoes

Potion that heals

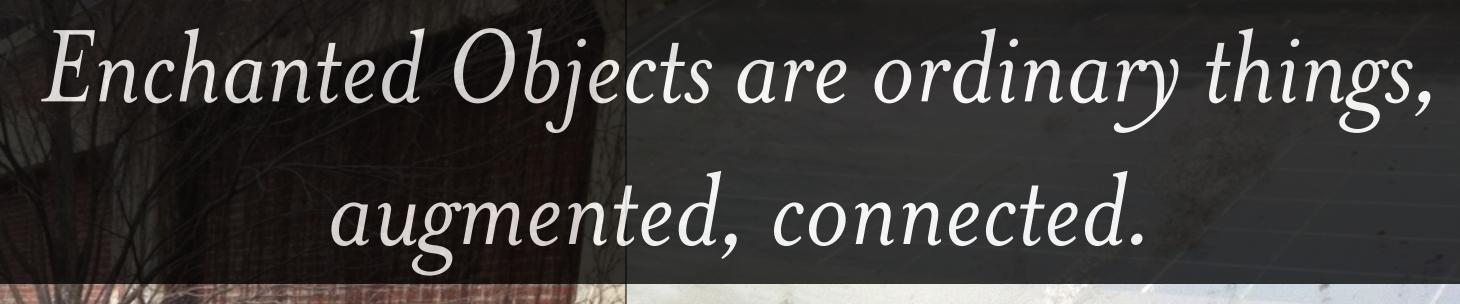
Everlasting Gobstoppers

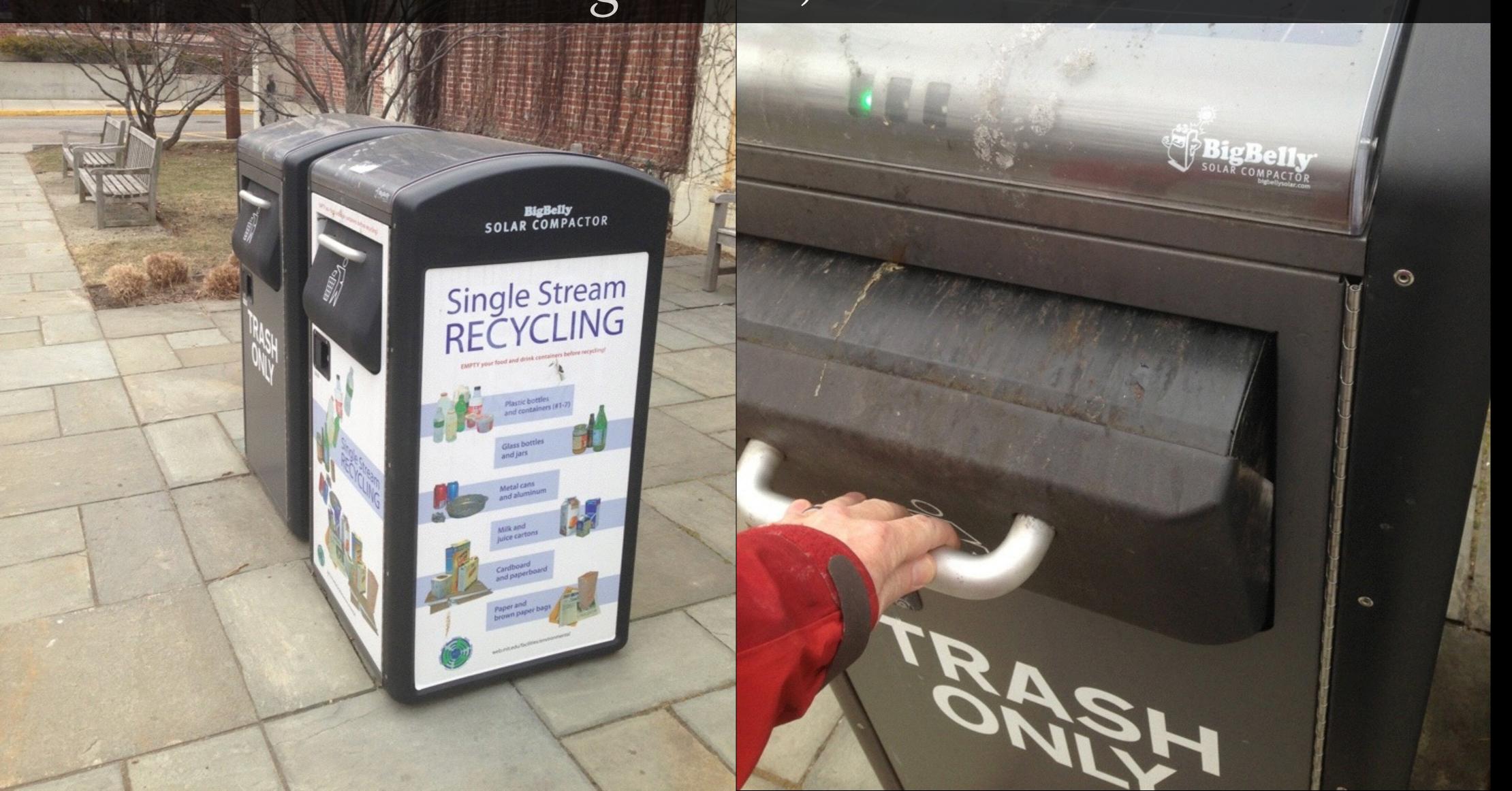
these stories run in our cultural bloodstream



who is the fairest of them all?







now a pen needs a cloud

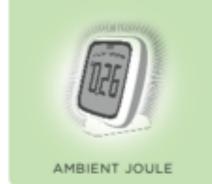


Anoto pen

Records audio and time-stamps everything your write

Objects are avatars for services





ENCHANTED OBJECTS

ORGANIZING THE INTERNET OF THINGS BY HUMAN DESIRES

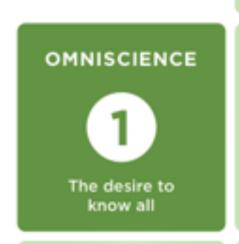
IO BRUSH



BABOLAT PLAY RACQUET



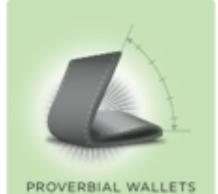




ENERGY CLOCK



IO BULB, LUMINAR





















SAFEKEEPING









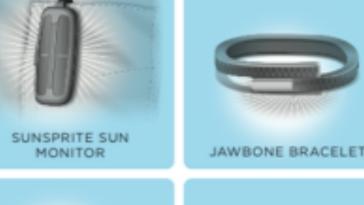


MIMO BABY SHIRT

















BLU CIGARETTE









WITHING SCALE

ISO-WALK CANE



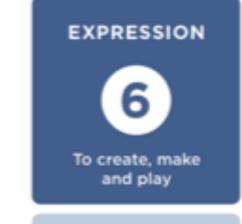
To move effortlessly





















IO BULB, LUMINAR

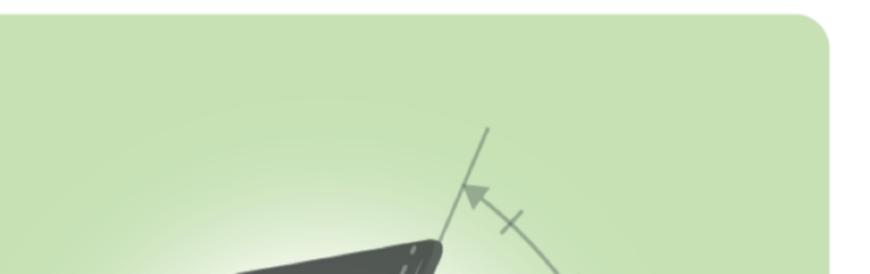


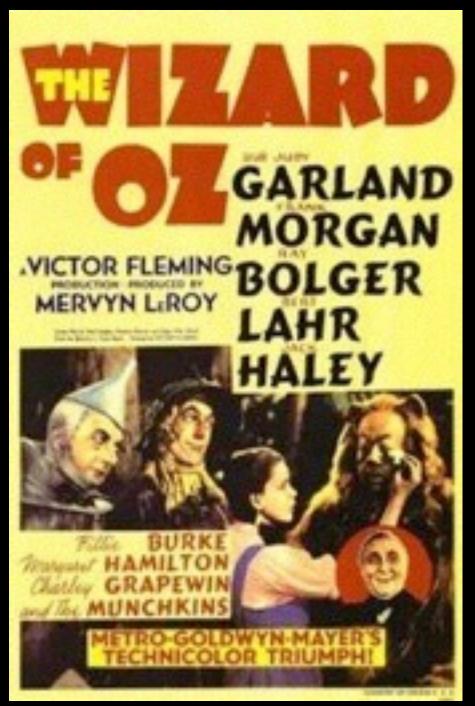


The desire to know all





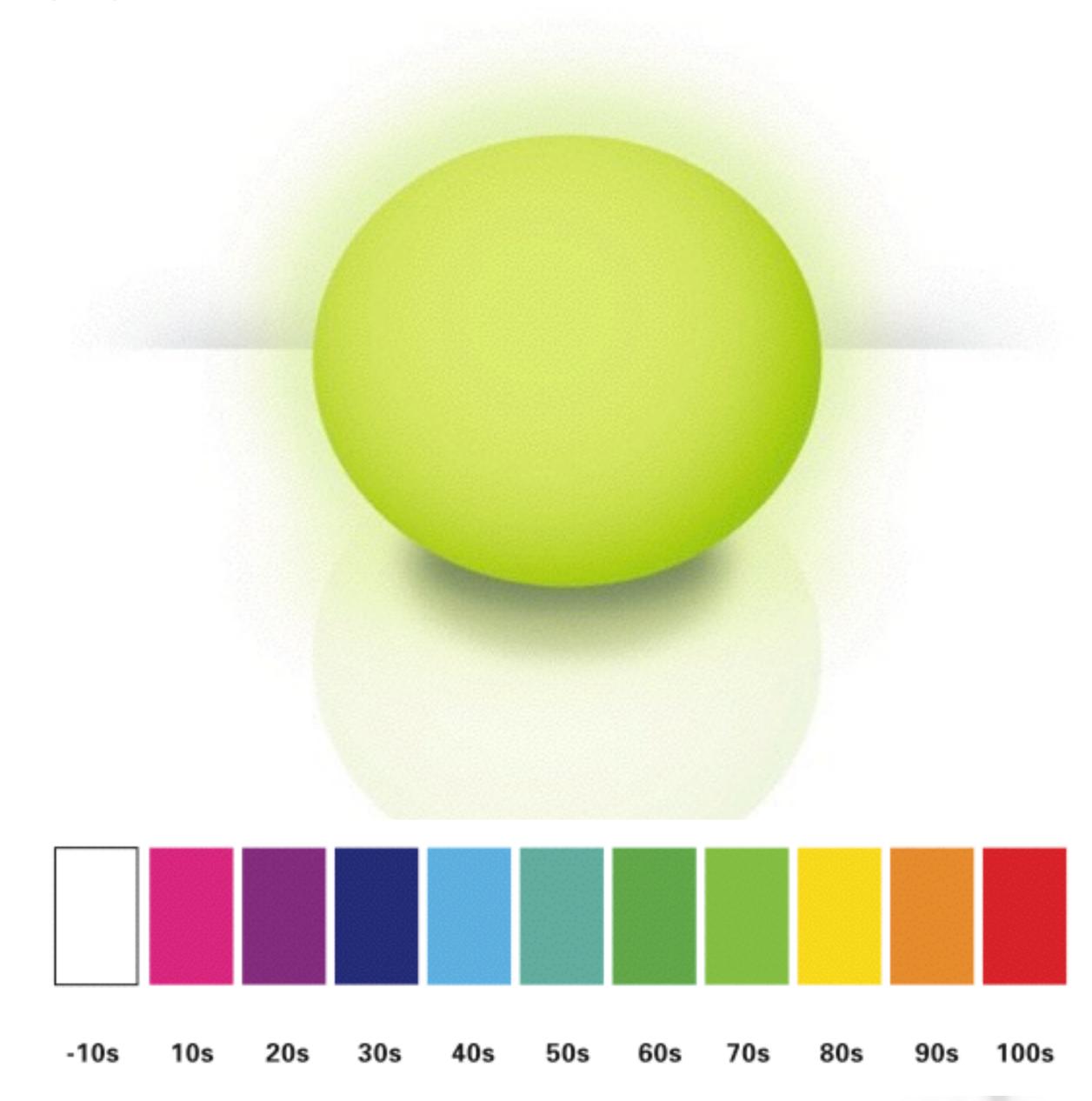






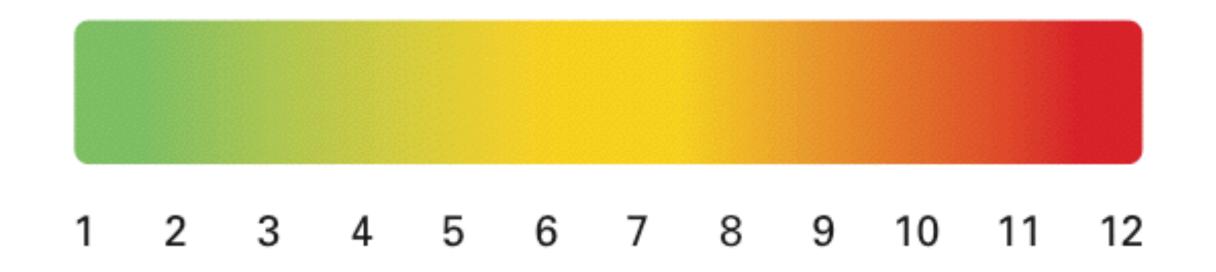


Orb



Pollen

Pollen count for today, after 6pm shows pollen forecast for tomorrow.

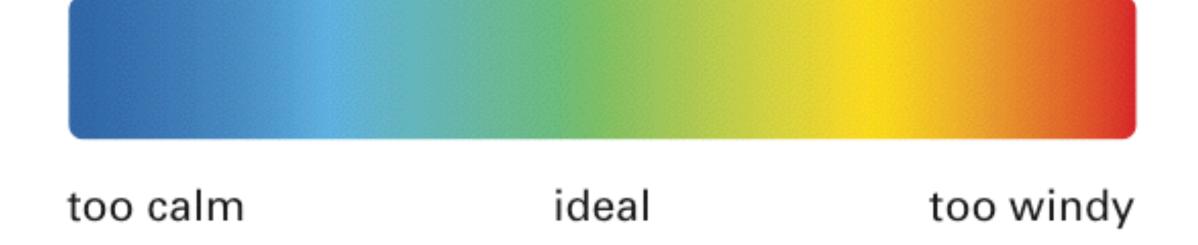






Sailing

Wind speed.

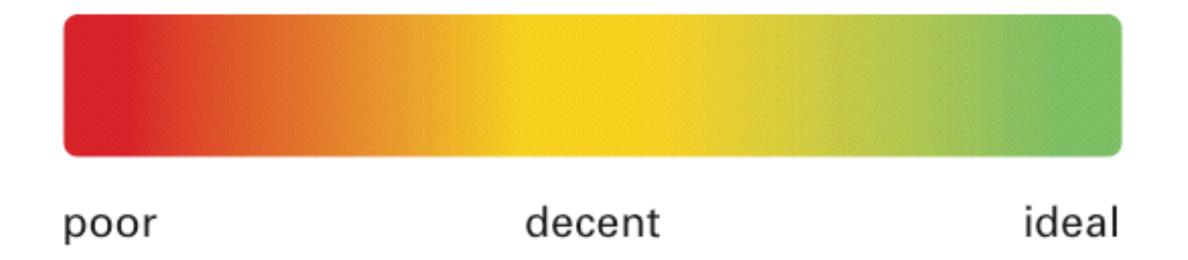






Fishing

Changes in barometric pressure predict when fish are biting.







Gardening

Recent rain accumulation helps you know when to water your garden or lawn.







Pervasive is persuasive

Energy Joule encourages 20% energy conservation for *Hydro One and others* with a realtime, in-home display





Public is even more persuasive

LUMITOUCH FRAMES







The desire for human connection













send your heartbeat as a bio-signal emoji





Weasley's clock

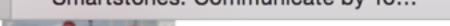
A magnificent full-color illustrated book and long-playing record Walt Disney Presents plus... The Sorcerer's Apprentice DUKAS

PROKOFIEFF

PETER AND THE WOLF, Op. 67

A Musical Tale for Children





GOGO

EXPLORE

HOW IT WORKS START YOUR CAMPAIGN

uaviu.i use

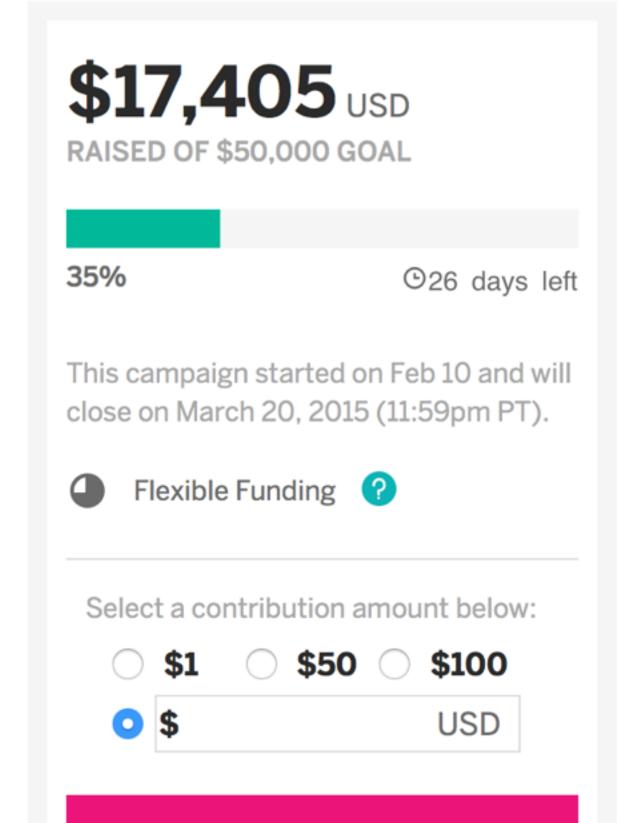
Tiaptic teciniology - wikip

Smartstones: Communicate by Touch

Santa Barbara, California, United States **Technology**

Comments 59 Funders 81 Gallery 24 Updates 4 1.1k f Share







904

Tweet

18

8+1

Email

</>

Embed

LOCKITRON

AMBIENT UMBRELLA



SAFEKEPING



To protect and to be protected

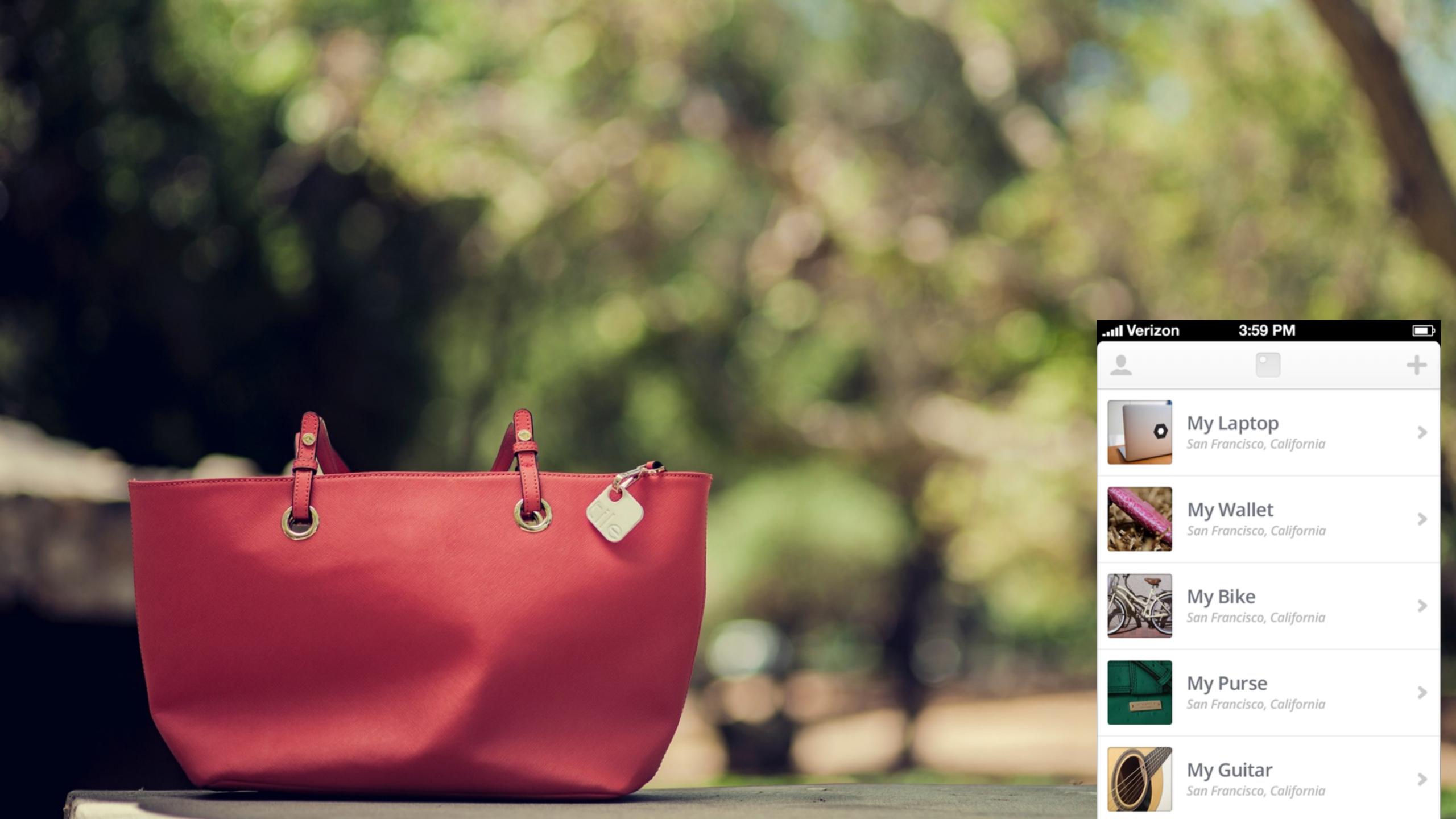




Tagg for the whereabouts of your best friend











BLU CIGARETTE



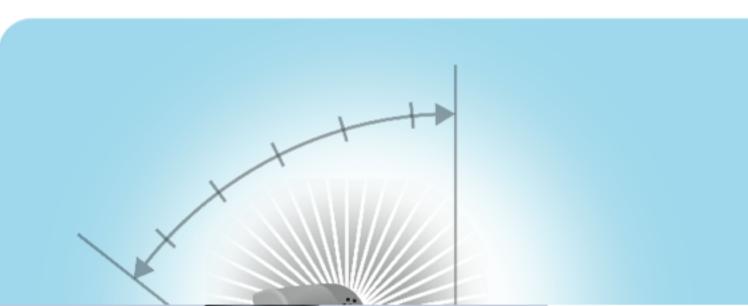




To be healthy and vital









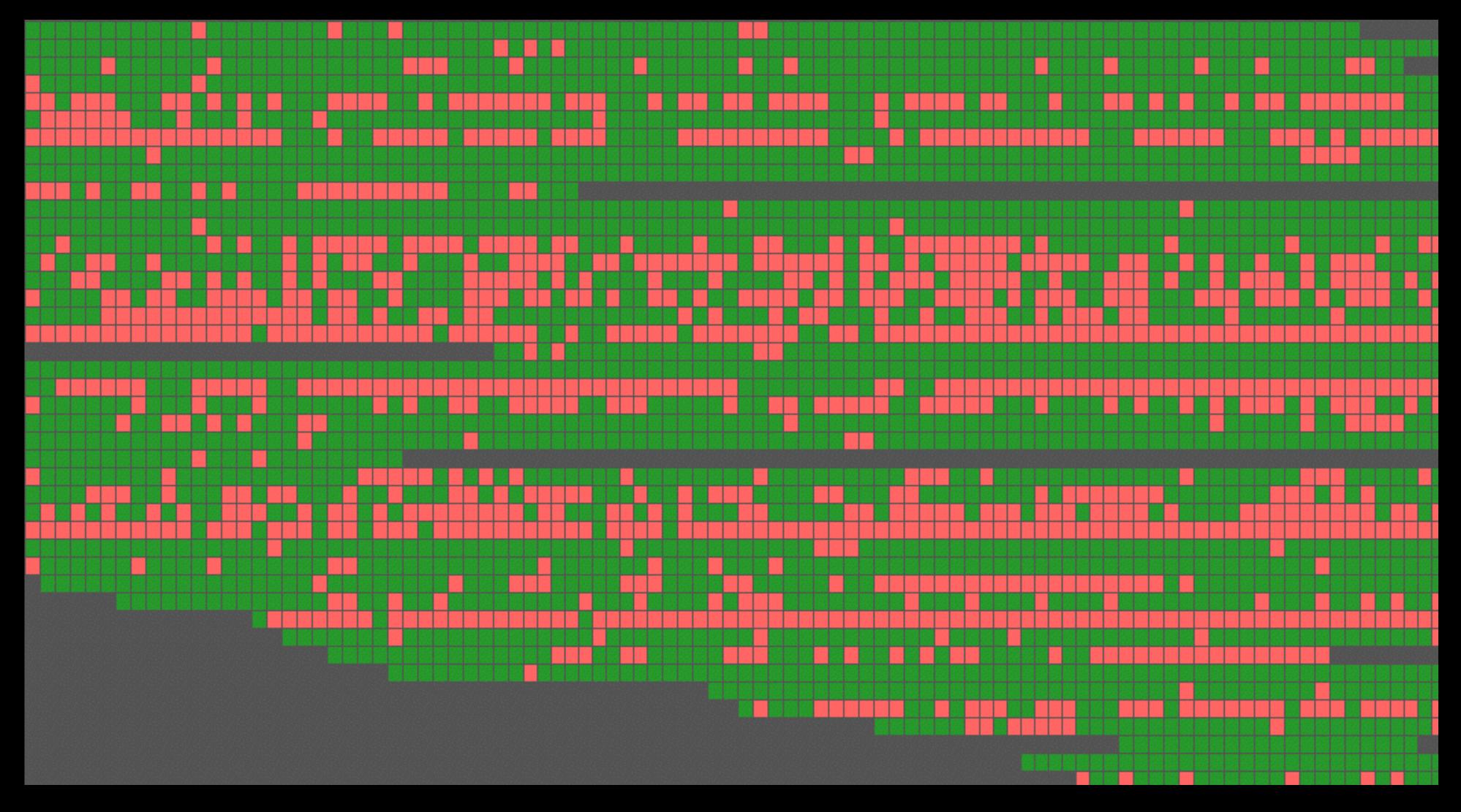






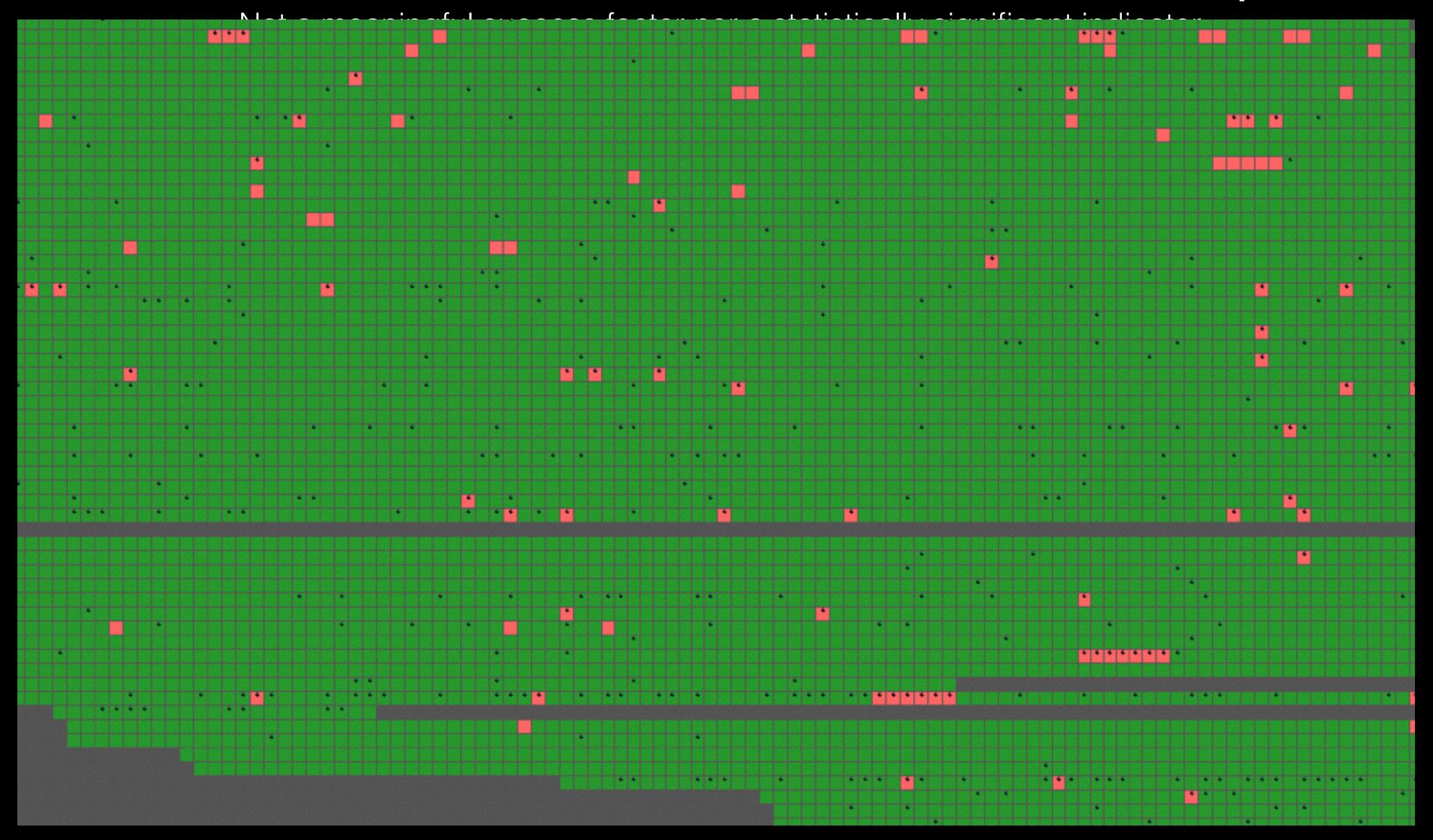
This is what poor-adherence looks like...

Each row is person, each column is a day. Red indicates a missed dose.



Control group=71% of doses taken

This is what adherence looks like with Glow Gaps)



Over 95% of doses taken over 6 months

DUMB

710/o ADHERENCE



SMART

98%
ADHERENCE











Fashion first



Tory Burch and Fitbit Deluxe share renders for a new line of bracelet and necklace activity trackers.



Ringly, created by CEO Christina Mercando, is one of the most talked about mergers between fashion and technology, focusing on notifications.

2/ SWAROVSKI













SWAROVSKI SHINE SLAKE SET

\$169.99



Shine with the Slake bracelet carrier in light gray Alcantara® fabric with crystals. Swarovski Shine used with the white silicone sport band is we to 50 m. Both bands are adjustable and are also compatible with Misf

Fashion first





SPIRE Buy Now \$149.95

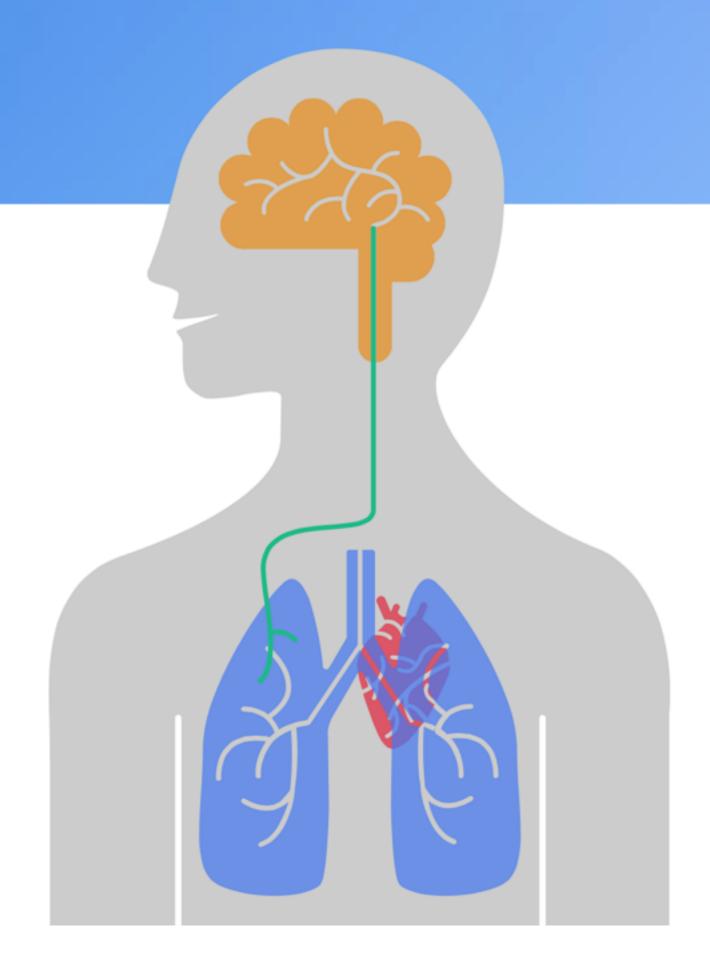
Breathing and controlling your breath is one of the easiest ways to improve mental and physical health.

THE WALL STREET JOURNAL.

Control your breathing. Control your state of mind.

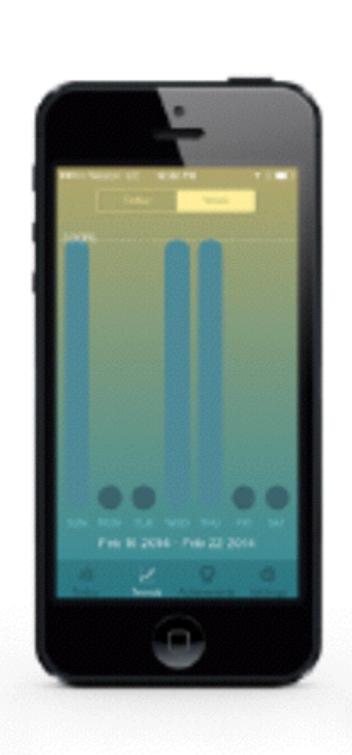
Studies have shown how simply controlling our breathing can lower blood pressure, reduce tension and increase endorphins. Spire measures respiratory patterns to detect subtle changes in your state of mind and gives you tools to achieve greater calm and focus.





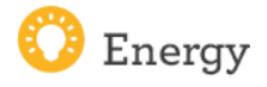












Bright light increases energy and vitality. Wake up with a pop in your step.



Bright light regulates the secretion of melatonin, resulting in better quality sleep and more energy in the morning.



Mood

Bright light is recommended by doctors as a front-line treatment for both seasonal and non-seasonal depression.





Enchant the most common objects



HapiFork

Specs

Length: 7.87 inches // 200 mm
Width: 1 inch // 24.5 mm
Height: 2/3 inches // 15.70 mm
Weight: 0.14 pound // 65 gr

Electronic Key

- Micro USB connector
- Batterie Lithium Polymere + 3.7 V
- Microchip Cortex M3 ST Micro electronic
- Capacitive detection
- . Return to user: 1 vibrator + 2 leds
- · 2 component plastic shells

Handle Fork

 Fits both electronically and mechanically with the electronic key

Patents: The technology is covered by four patents

- 1. Measure of the hand to mouth
- 2. Capacitive detection
- 3. Specific mechanical cooperation in between electronic and fork
- 4. Special cooperation between apps and data platform

Definition

HAPIfork is a connected fork which looks for a healthy eating behavior.

- Eat at the right time
- · Eat at the right pace : not too fast
- Share with your coach : download his feedback alarm.
- Share with the community



Vessyl

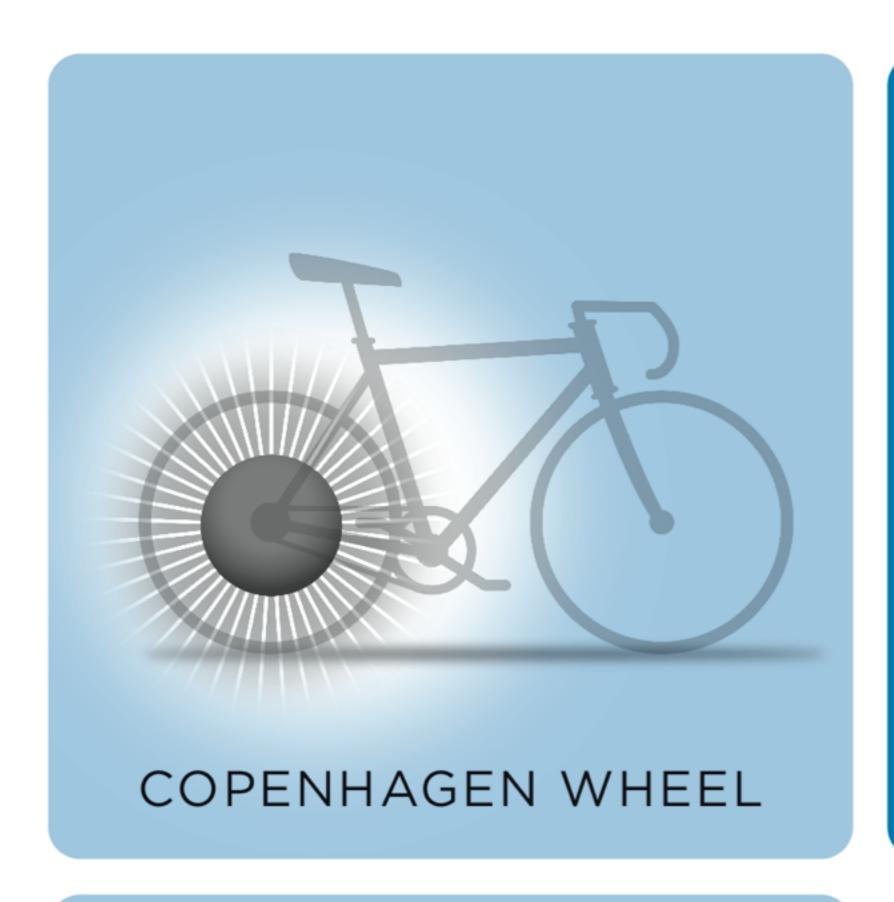
IT KNOWS WHAT'S INSIDE

It's not magic, but close to it... the Vessyl knows and aggregates everything you drink. No more guessing or journaling. It keeps track of what's important to you... all automatically.



Monetize the secondary effects of behavioral change





TELEPORTATION

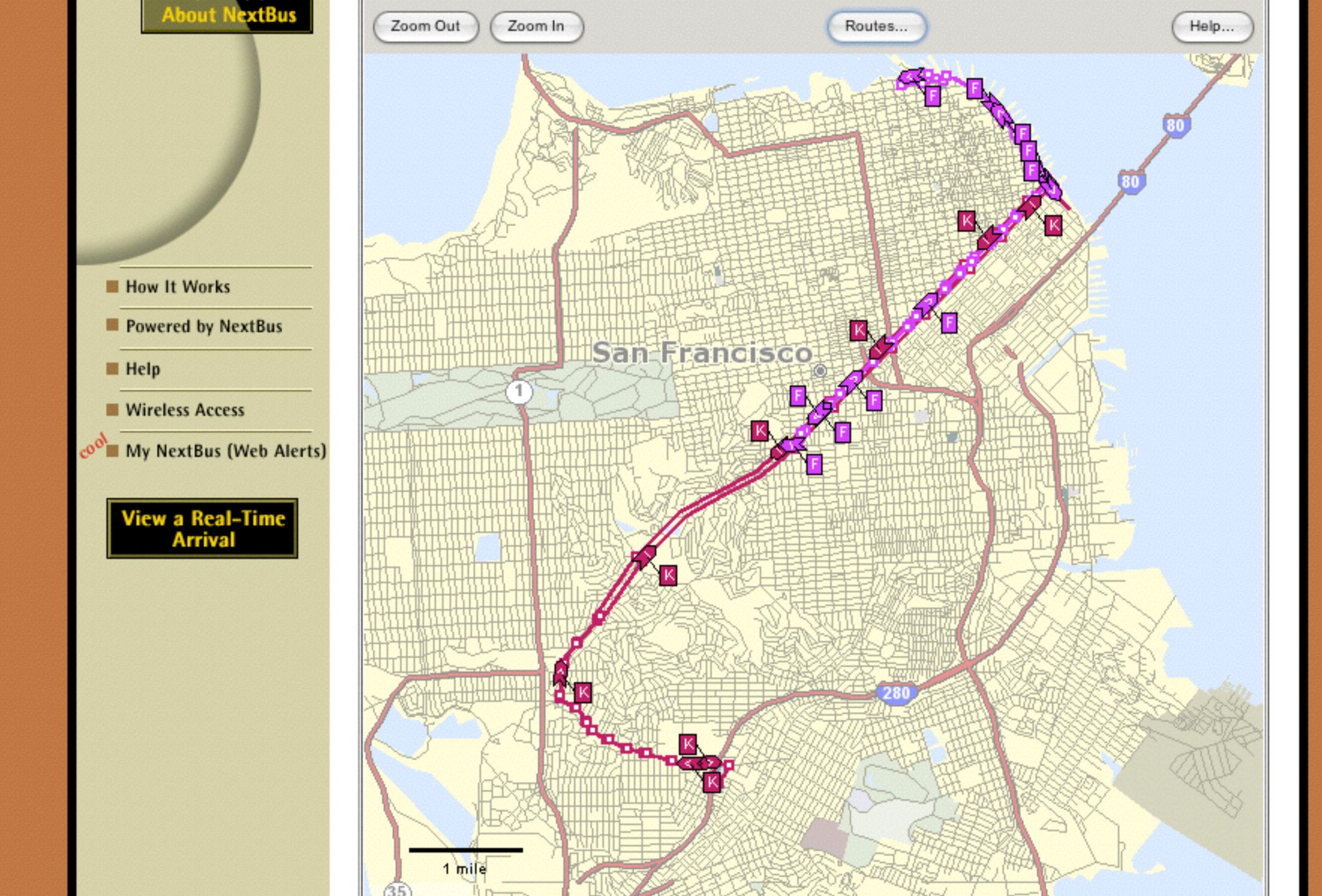


To move effortlessly

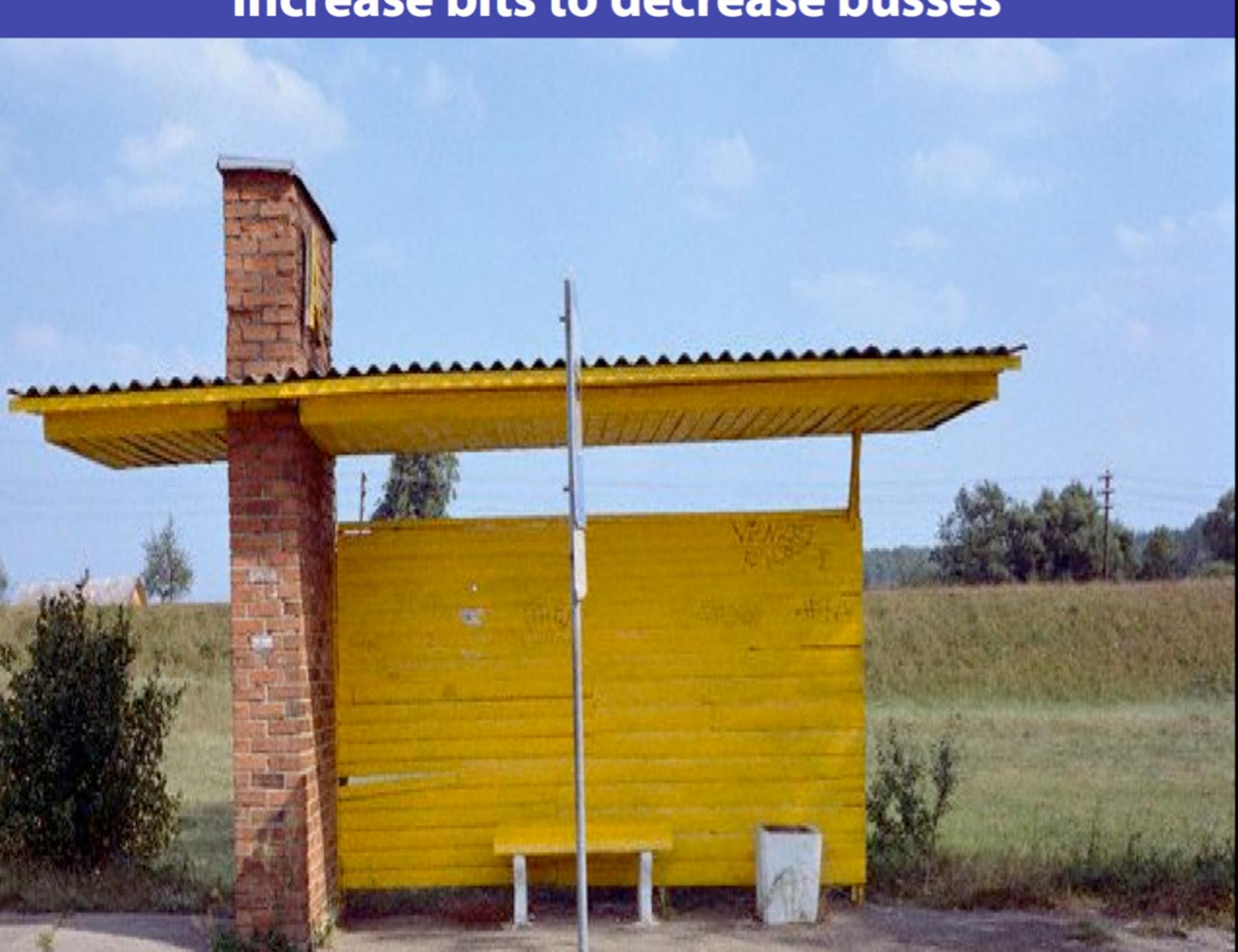








Increase bits to decrease busses



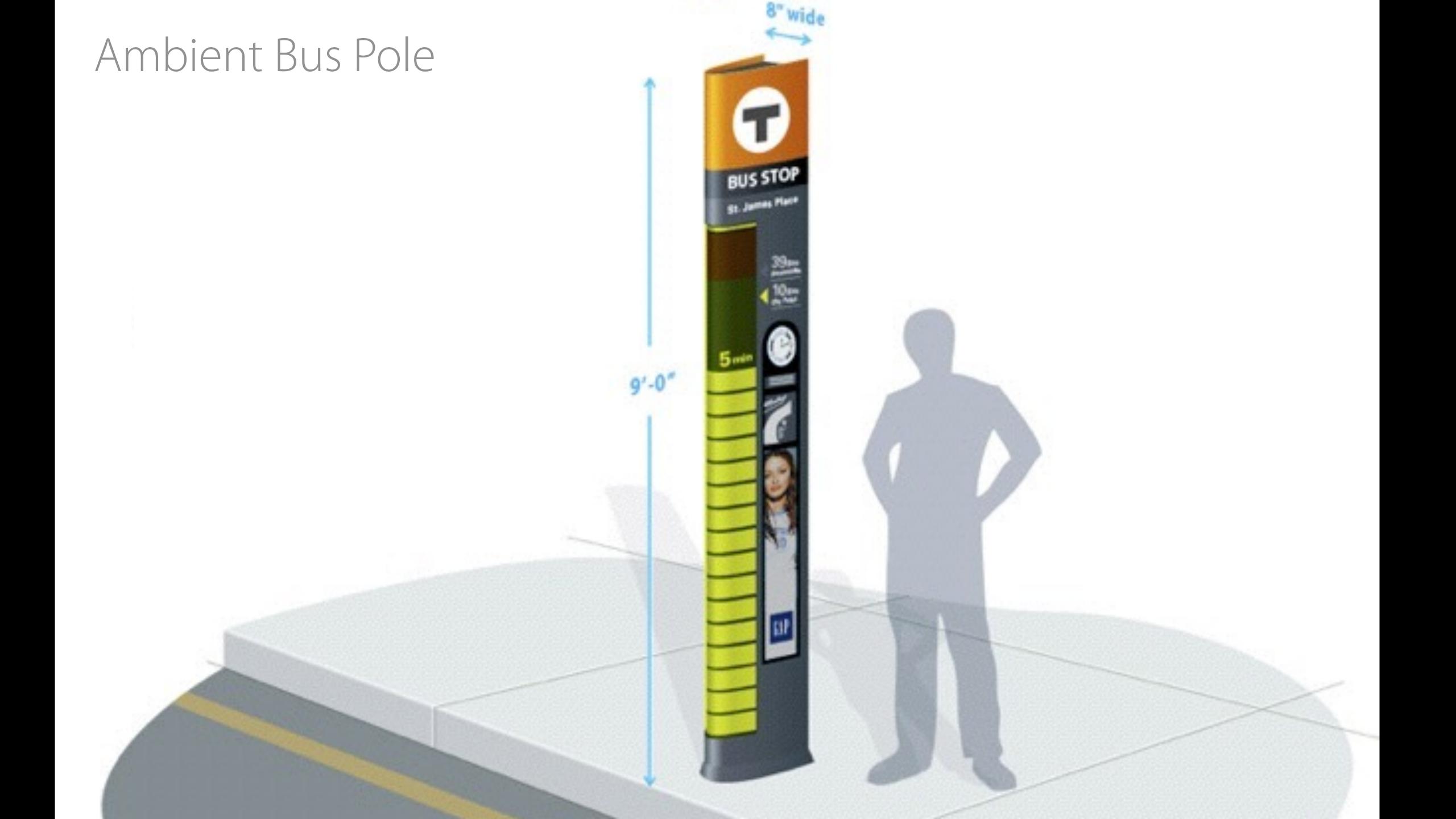
In SF

\$500M budget

To serve 450K households (\$1k+/home)

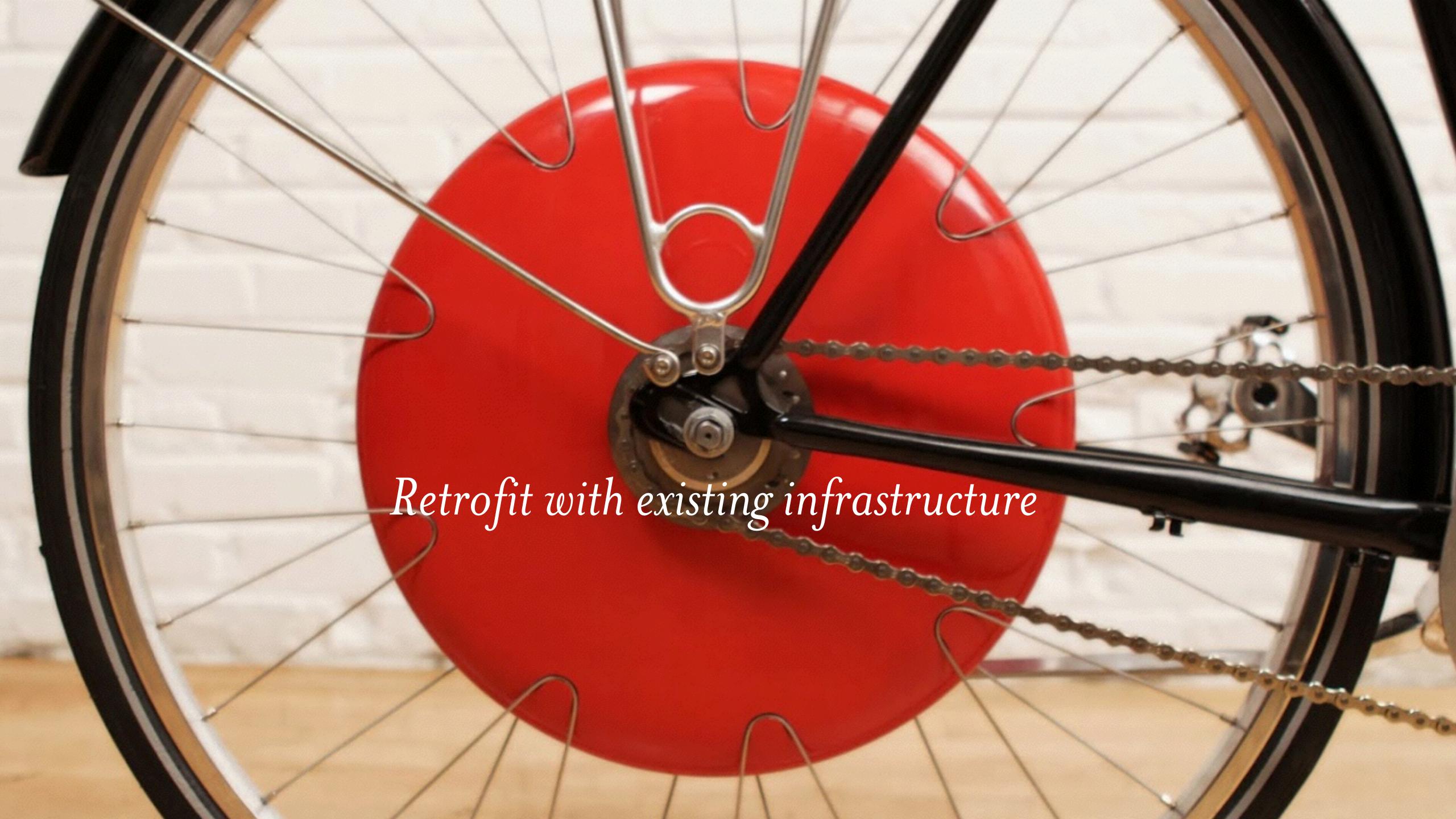
to drive busses around every 15 min

at <25% capacity









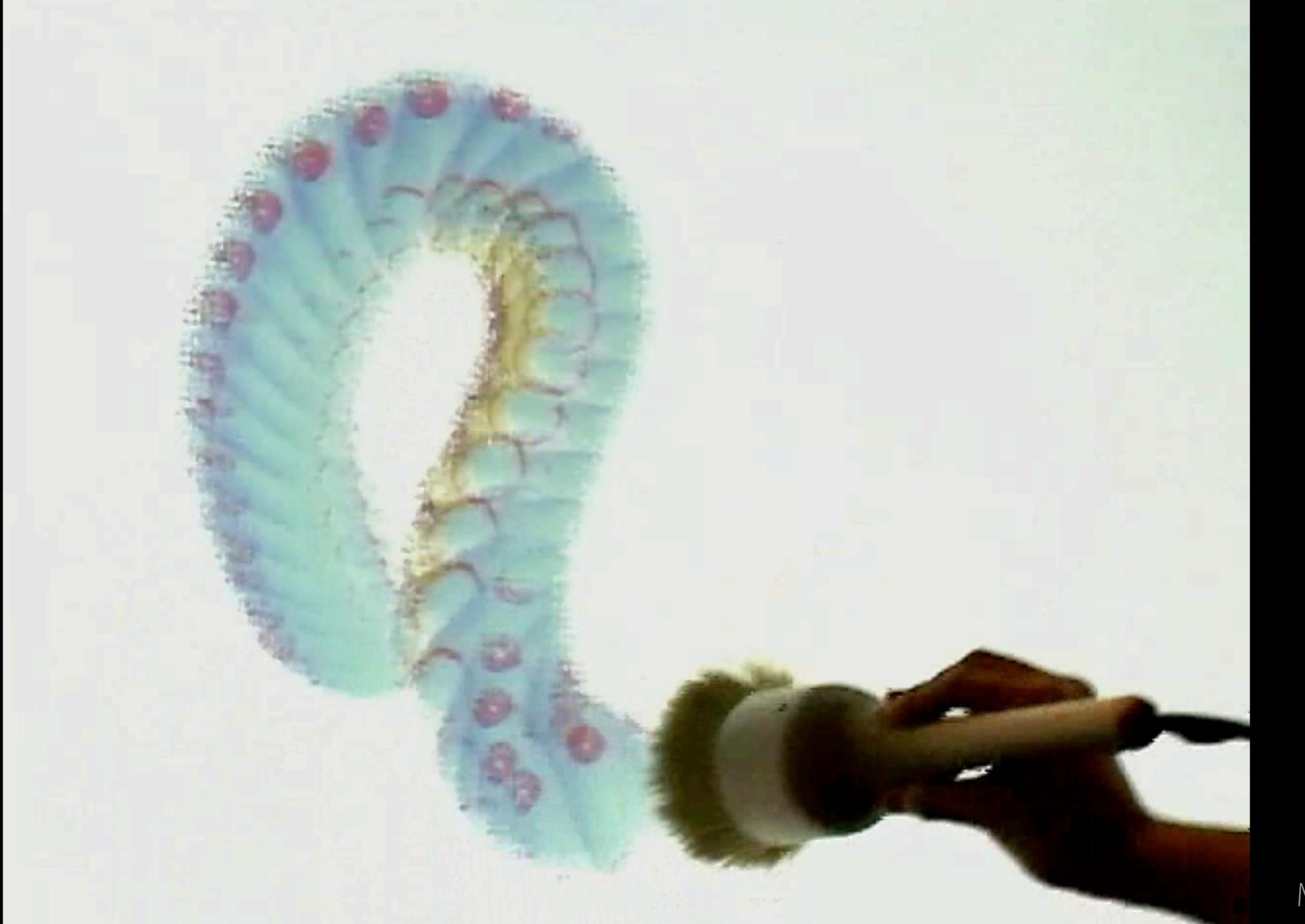


NARRATIVE LIFE-LOGGING CAMERA

EXPRESSION



To create, make and play







The Babolat Play Pure Drive sensor-packed racket and mobile device app





Life-logging

cambridge july 10th



sped up 300x

copenhagen june 27



1.8 Billion photos are shared

every day!















Reading photos for 5000 brands, 1000 objects, 500 scenes





Ditto uses computer vision to discover products, faces, logos, clothing, and scenes in public social photos on Twitter, Instagram, and Tumblr to glean insights for for marketers.



Human faces can give context.

If a logo appears above a face such as Smith ski goggles in this
picture - it can indicate the
person is wearing apparel.

Smiles help advertisers

LOGOS

Ditto detects thousands of logos, such as the Pabst Blue Ribbon can and Marmot jacket here. An advertiser may search for photos featuring rival brands to try to steal customers.

PRODUCTS

Users who post images of things like beer or ski equipment may be flagged for those interests. Marketers also look for correlations between interests, such as which beverages people drink while eating Kraft Macaroni and Cheese.

SCENES

Whether a photo was shot in a bar or on a snowy mountain can give advertisers clues about where and how customers use their products.



Ditto has started classifying objects like purses or



Brands are blind to these photos





We all need this for the weekend pic.twitter.com/Oe8yQ6D3Pa







happy dani and haley pic.twitter.com/TQRJfdegqU







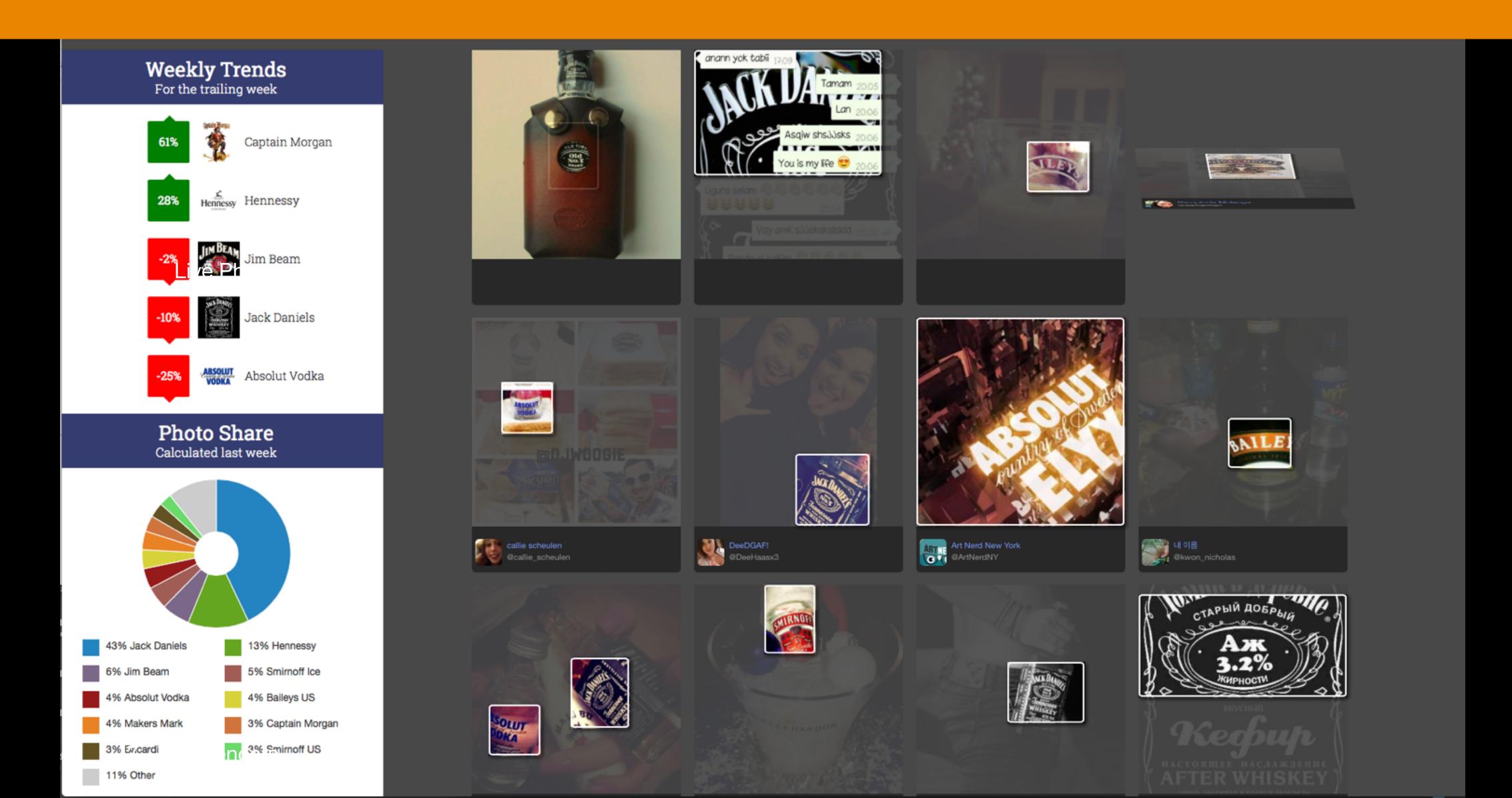
Don't worry, to be jealous is a natural reaction pic.twitter.com/UkIad8





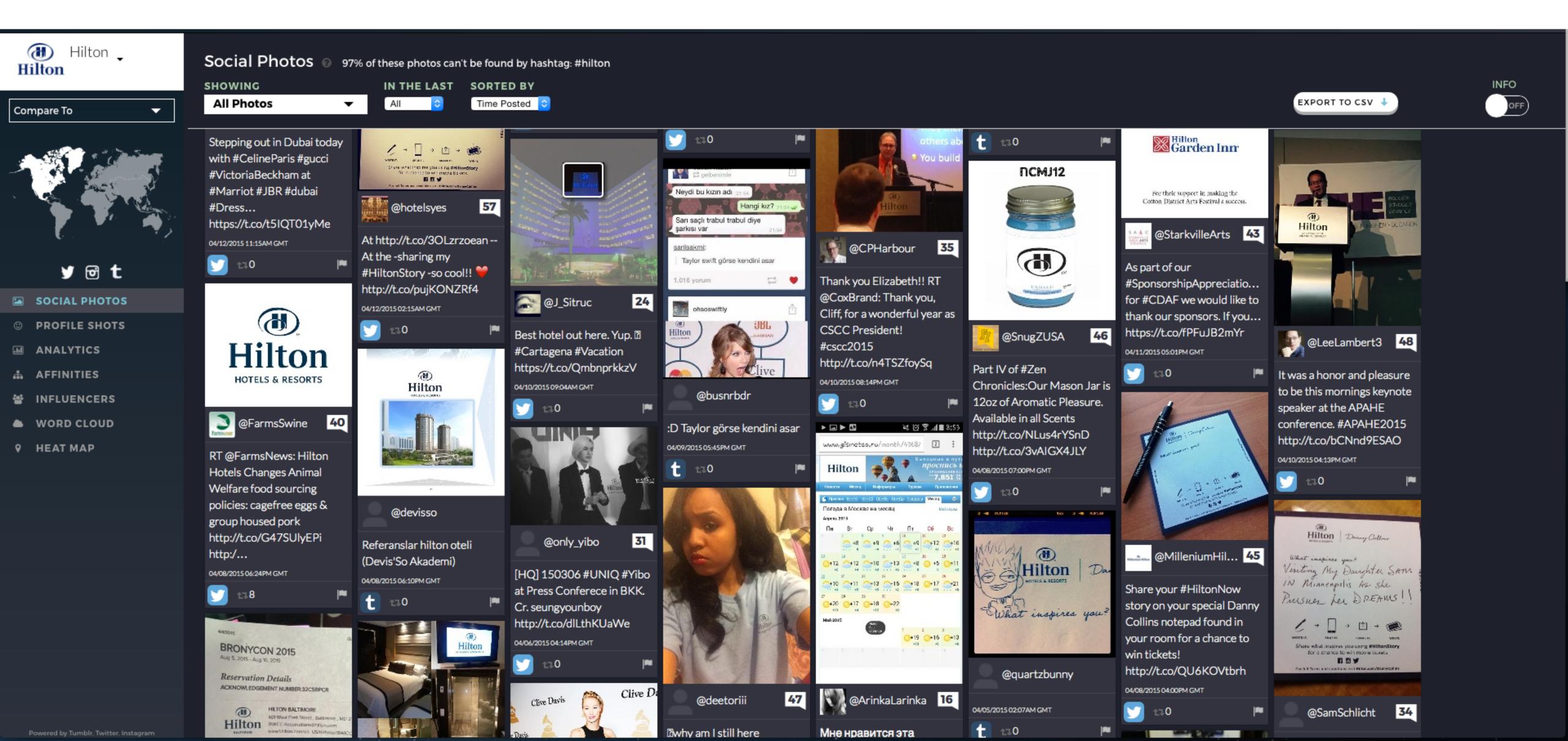


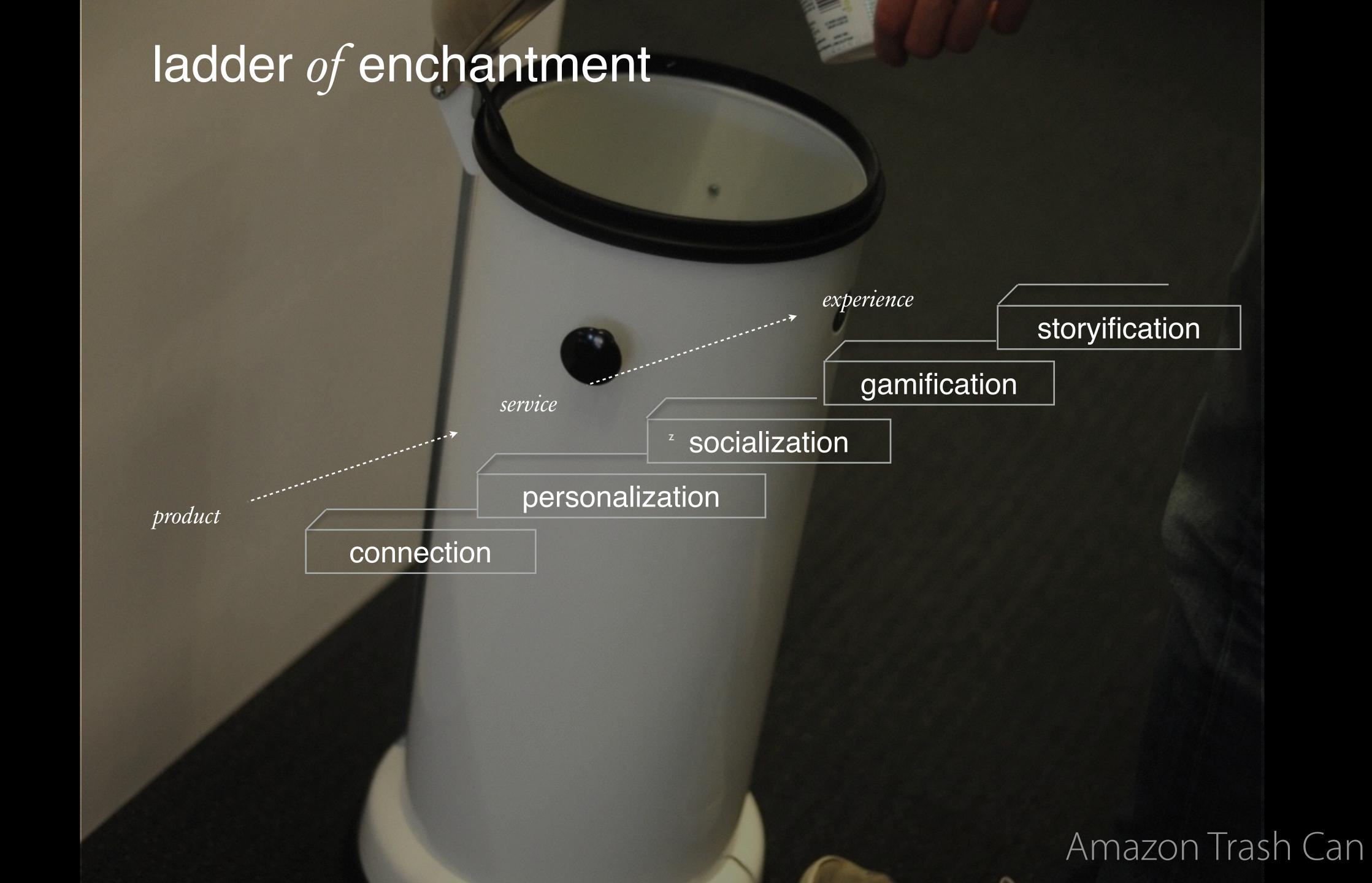
See realtime matches from Twitter and Tumblr streamditto.com





Hilton is blind to 97% of these photos





"Coconut water shipped all the way from Asia?! "

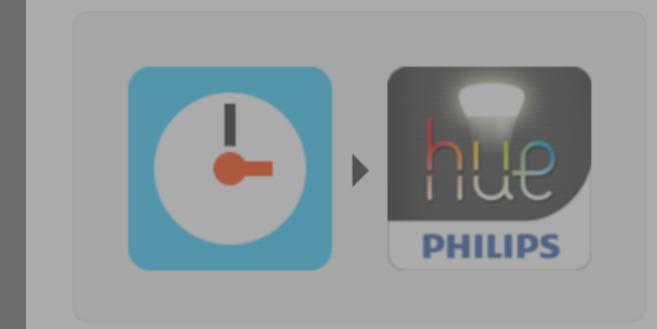
Audible commentary on the products you consume offers perspective, humor and helpful information. Below are some examples.







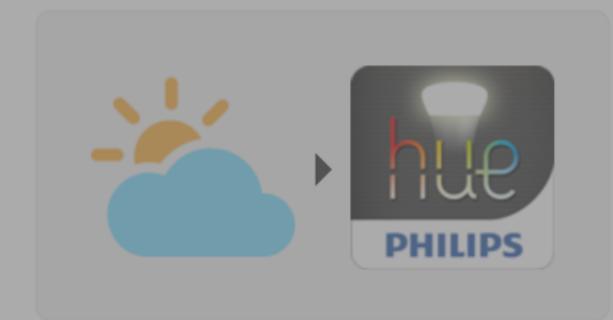
enchanted systems



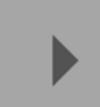
10:00pm update temperature for better sleep to approximately 3500K



by **squint** on May 17, 2013 used 28 times



If it begins to rain then change the light colors to blue



by walderwo on May 17, 2013 used 55 times



change colors when somebody send me a message



by **elmere** on May 20, 2013 used 29 times

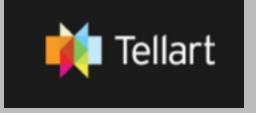
Imagine a table centerpiece that listens to the room's conversation, and provides visual feedback about the balance of conversation.



Balance Table

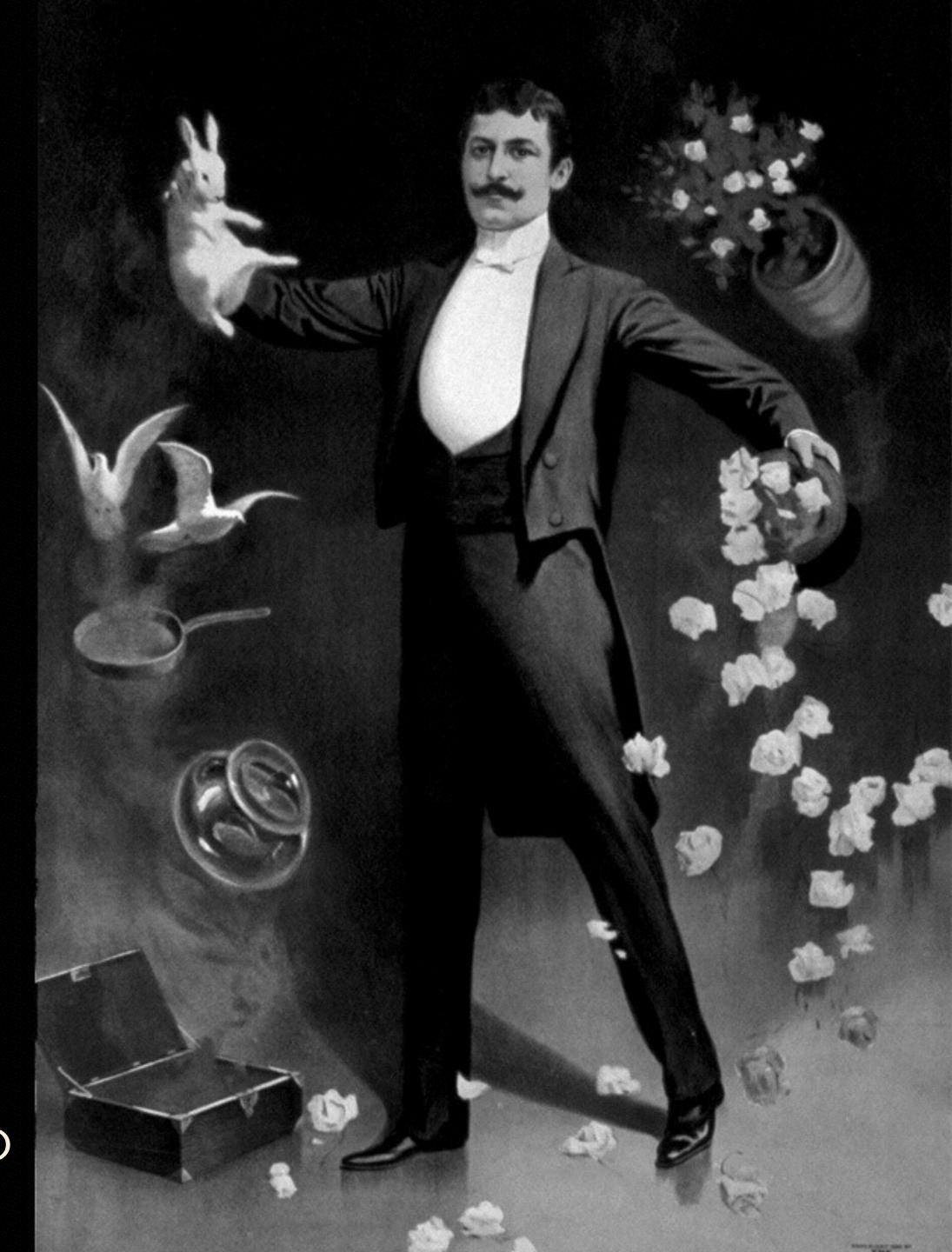
a table for meeting mindfulness





There are many effect classifications:

- Production (appearance, creation, multiplication)
- Vanish (disappearance, obliteration)
- Transposition (change in location)
- Transformation (change in appearance, character or identity)
- Penetration (one solid through another)
- Restoration (making the destroyed whole)
- Animation (movement imparted to the inanimate)
- Anti-gravity (levitation and change in weight)
- Attraction (mysterious adhesion)
- Sympathetic Reaction (sympathetic response)
- Invulnerability (injury-proof)
- Physical Anomaly (contradictions, abnormalities, freaks)
- Spectator Failure (magician's challenge)
- Control (mind over the inanimate)
- Identification (specific discovery)
- Thought Reading (mental perception, mind reading)
- Thought Transmission (thought projection and transference)
- Prediction (foretelling the future)
- Extrasensory Perception (unusual perception, other than mind)





Smart Hangers
Anders Erlendsson
Hsiang-Lin Yang
Simon Herzog

sic : All Inside - Bondax

anks to : Adrian Westway & David Rose





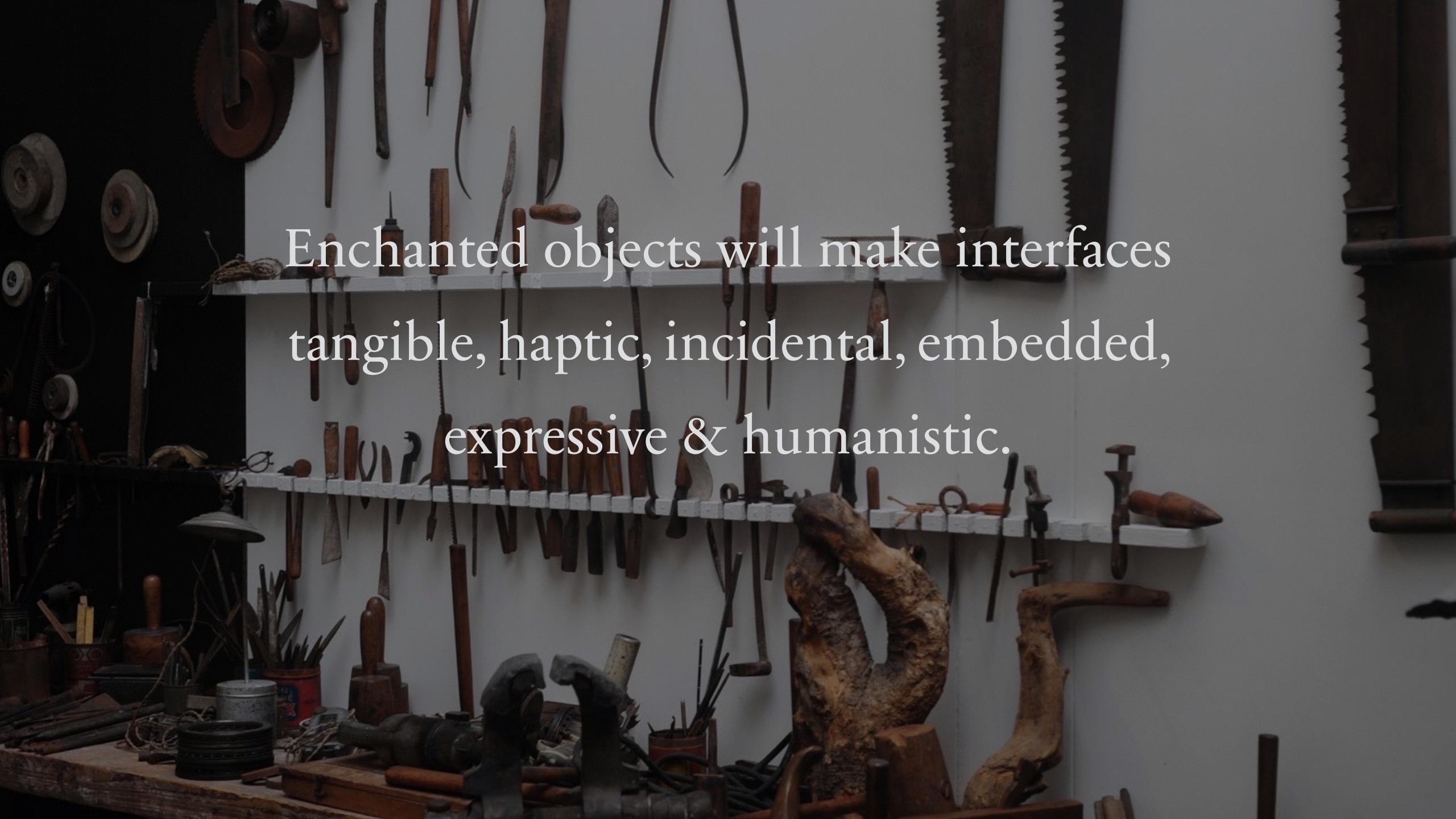




ENCHANTMENT PRIVACY PRINCIPLES

- #1 Enchantment Must be Evident (pen)
- #2 Obfuscate details with Ambient Displays (orb)
- #3 Make Wireless Connections Explicit (glowcap)
- #4 Design Incremental Opt-in Services (glowcap)
- #5 Add More Levels to 'Public' (ditto)
- #6 Avoid Storing Information (balance table)

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drose@media.mit.edu





ENCHANTED OBJECTS DAVID ROSE

DESIGN, HUMAN DESIRE AND THE INTERNET OF THINGS

Enchanted objects will change how we:

1- understand information

2- connect with others

3- stay safe

4- enjoy a long healthy life

5- move effortlessly around the world

6- play, learn and create

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