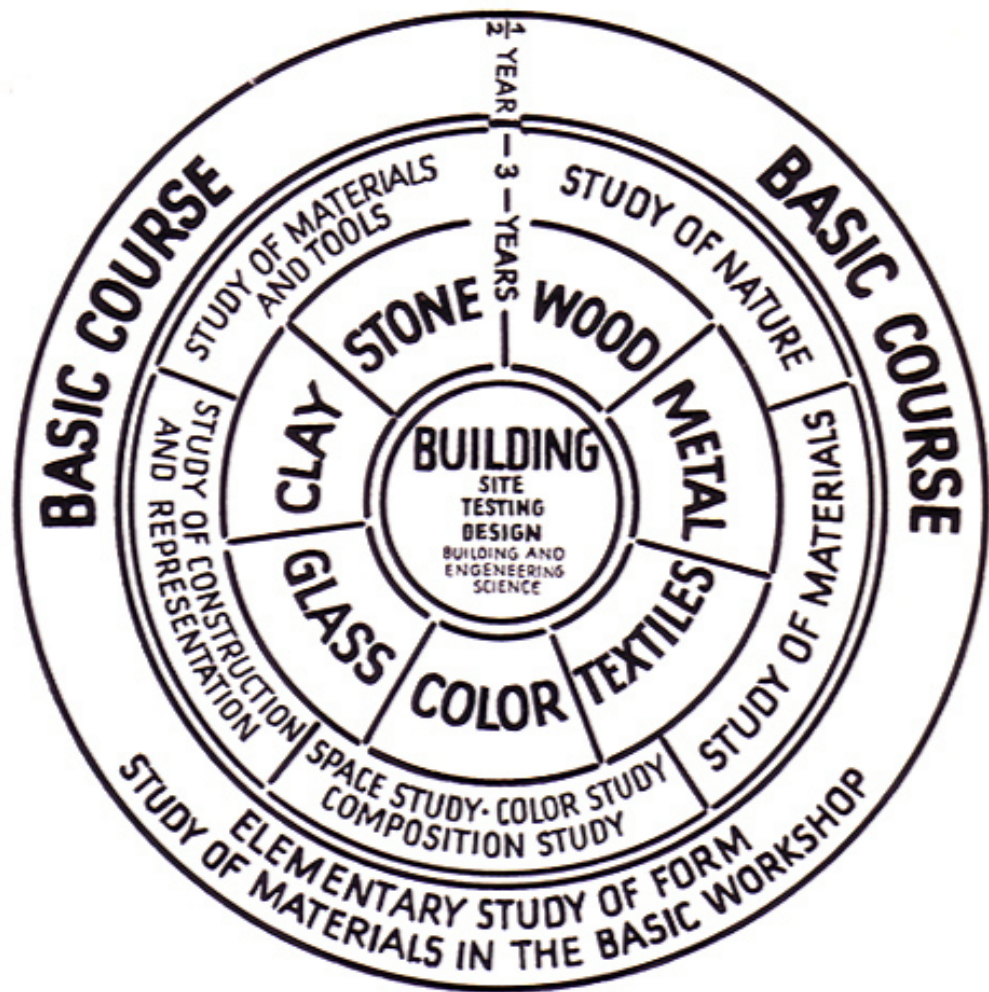


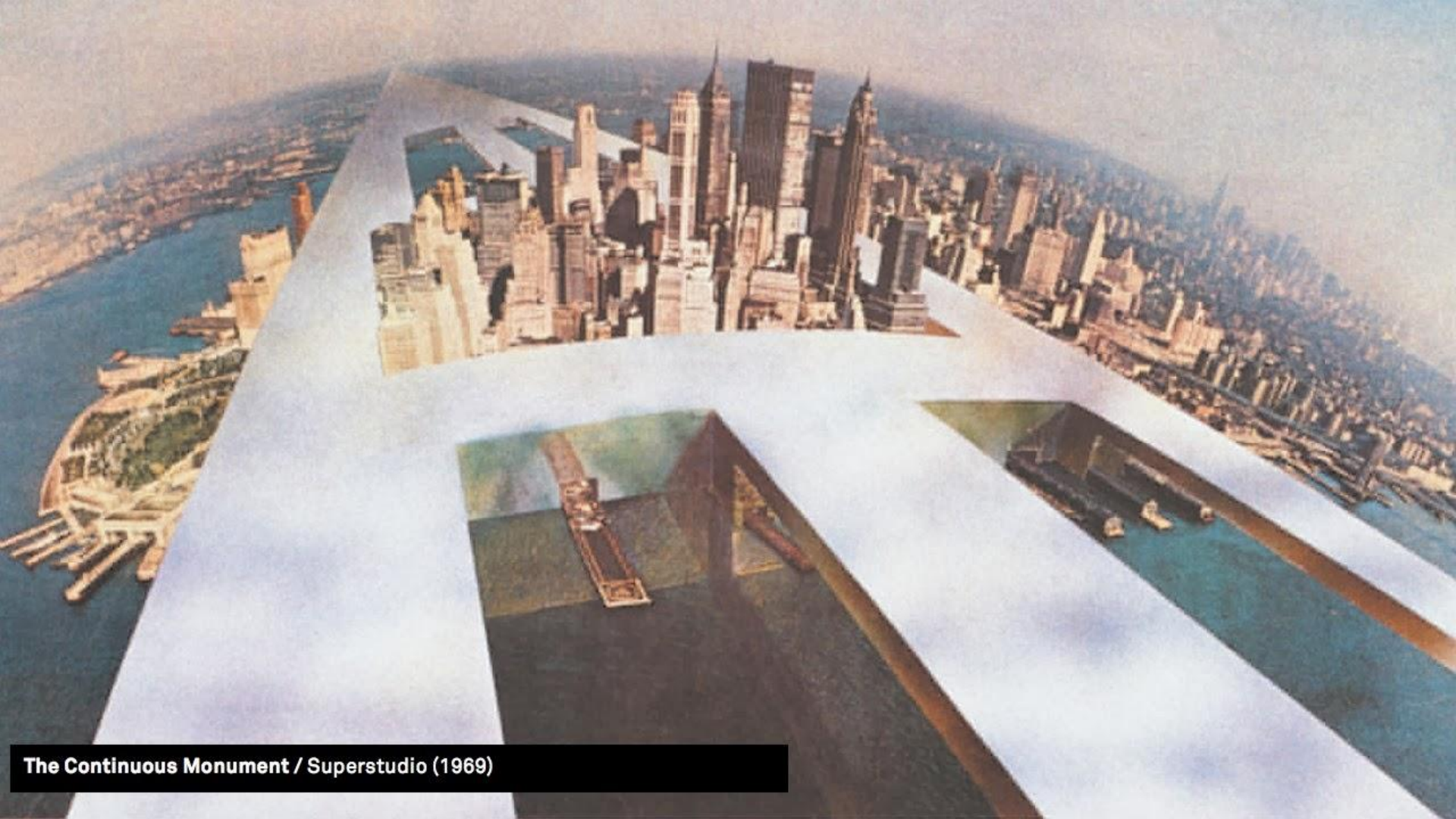
What is Critical Design?



Key Elements of Design

- Design as trade
- Design as service, narrowly conceived
- Design without mind
- Design outside the social or political

However, critical and analytical design do not fit into designing as a service



The Continuous Monument / Superstudio (1969)





“Critical Design uses speculative design proposals to challenge narrow assumptions, preconceptions and givens about the role products play in everyday life. It is more of an attitude than anything else, a position rather than a method.

Its opposite is affirmative design: design that reinforces the status quo.”

[a)

affirmative
problem solving
design as process
provides answers
in the service of industry
for how the world is
science fiction
futures
fictional functions
change the world to suit us
narratives of production
anti-art
research for design
applications
design for production
fun
concept design
consumer
user
training
makes us buy
innovation
ergonomics

[b)

critical
problem finding
design as medium
asks questions
in the service of society
for how the world could be
social fiction
parallel worlds
functional fictions
change us to suit the world
narratives of consumption
applied art
research through design
implications
design for debate
satire
conceptual design
citizen
person
education
makes us think
provocation
rhetoric

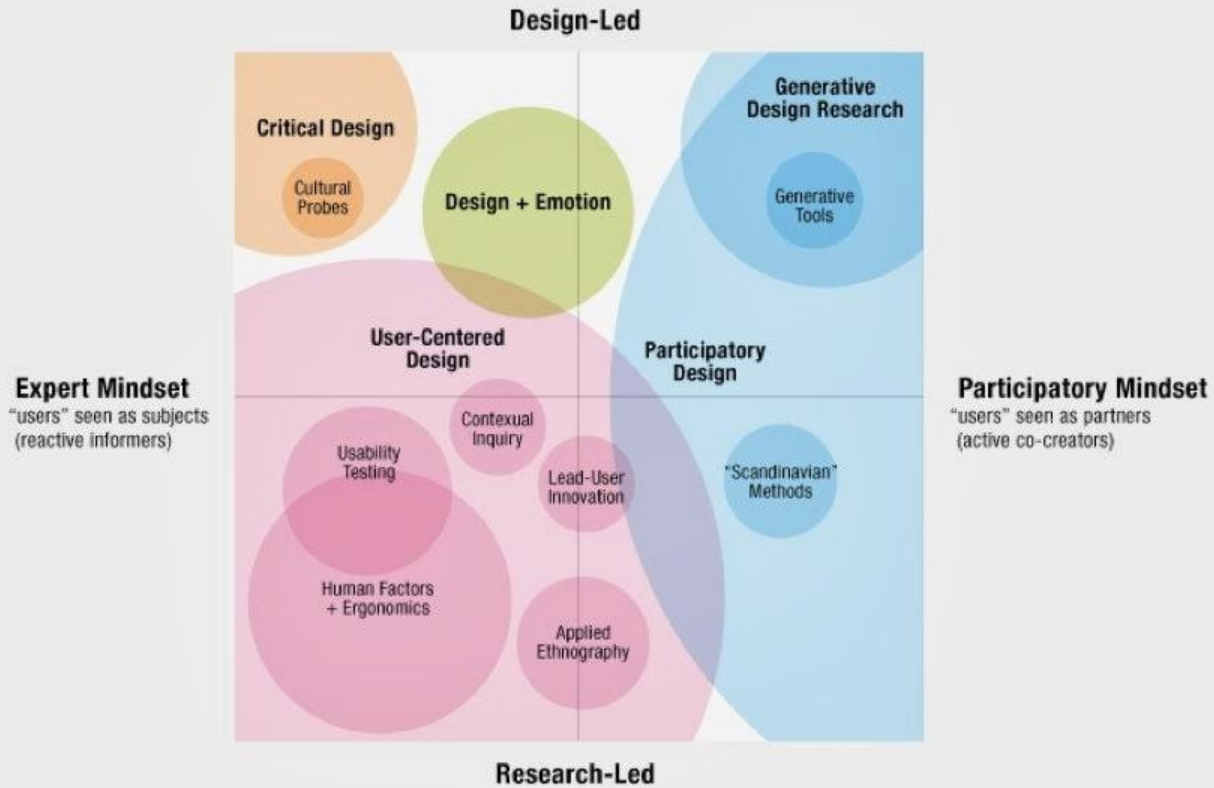


Technological Dream Series 1: Robots / Dunne and Raby (2007)





Man Machine / Vincent Fournier (2010)



Map of Design Research / Dubberly Design Office (2008)

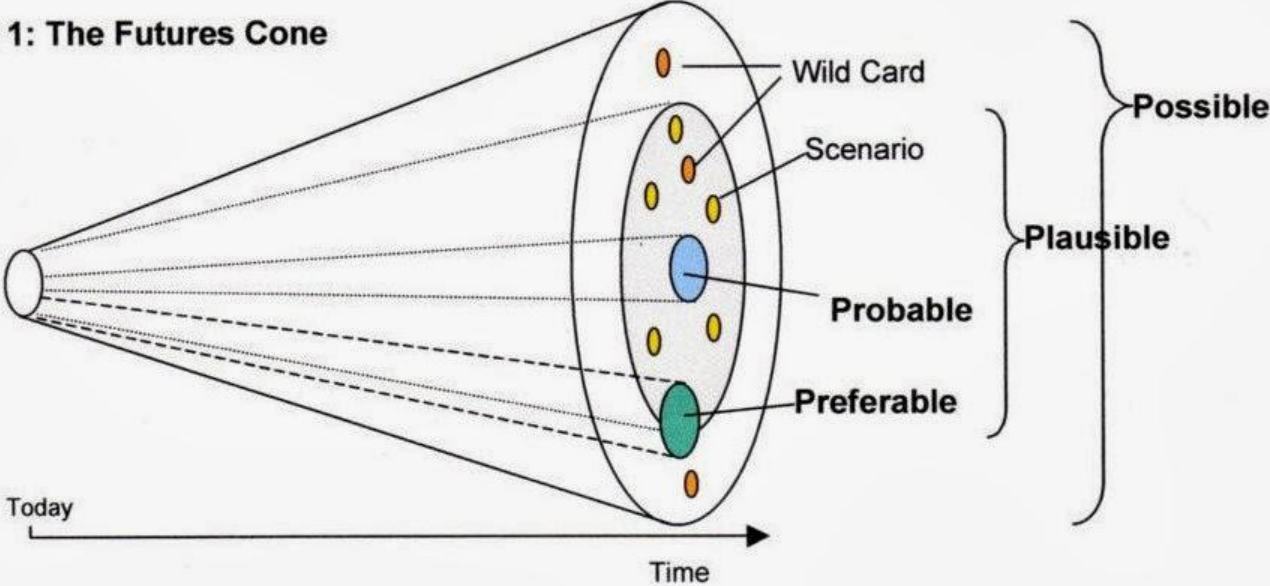
A futuristic character in a dark, armored suit is shown flying through a blue and green sky. The character is wearing a large, orange, cylindrical helmet and has a large, orange, cylindrical object attached to their back. The character is leaving a trail of fire behind them. The word "FUTURES" is overlaid in large white letters across the center of the image.

FUTURES

The future is already here, it's just not evenly distributed.

- *William Gibson*

Figure 1: The Futures Cone





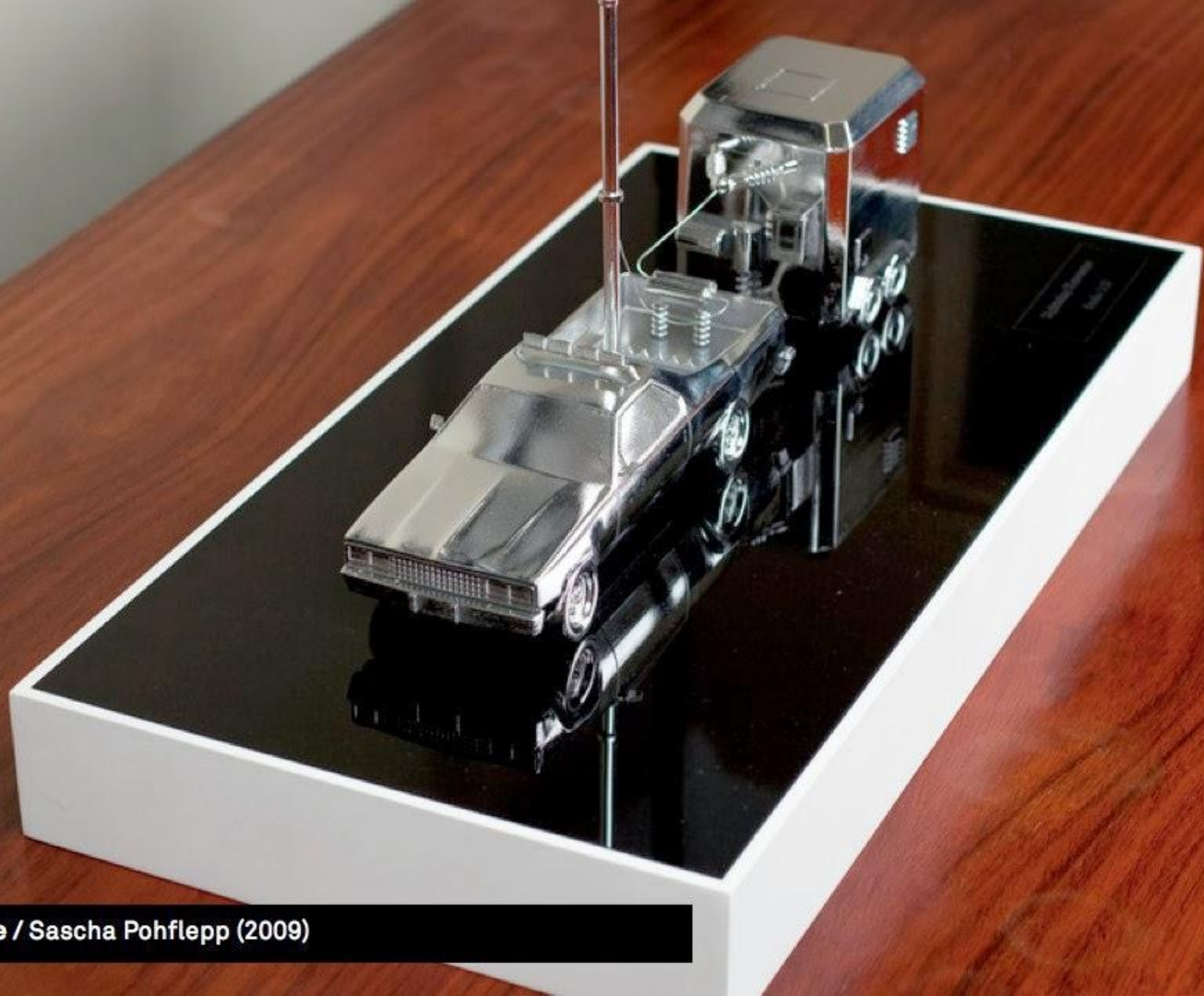
Big Dog / Boston Dynamics & DARPA (2012)

Boston Dynamics

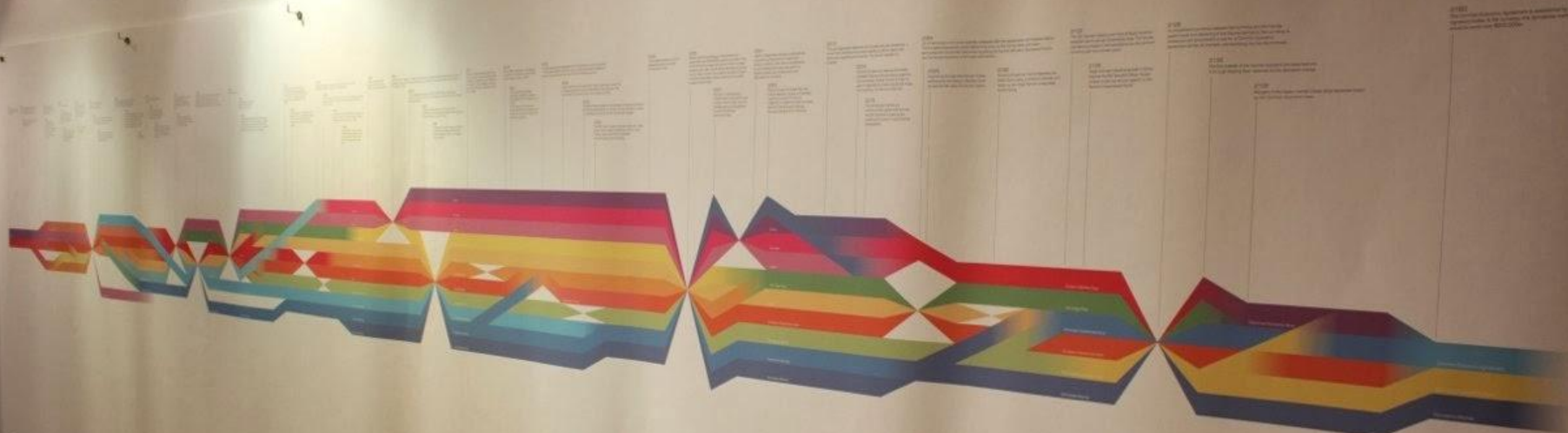




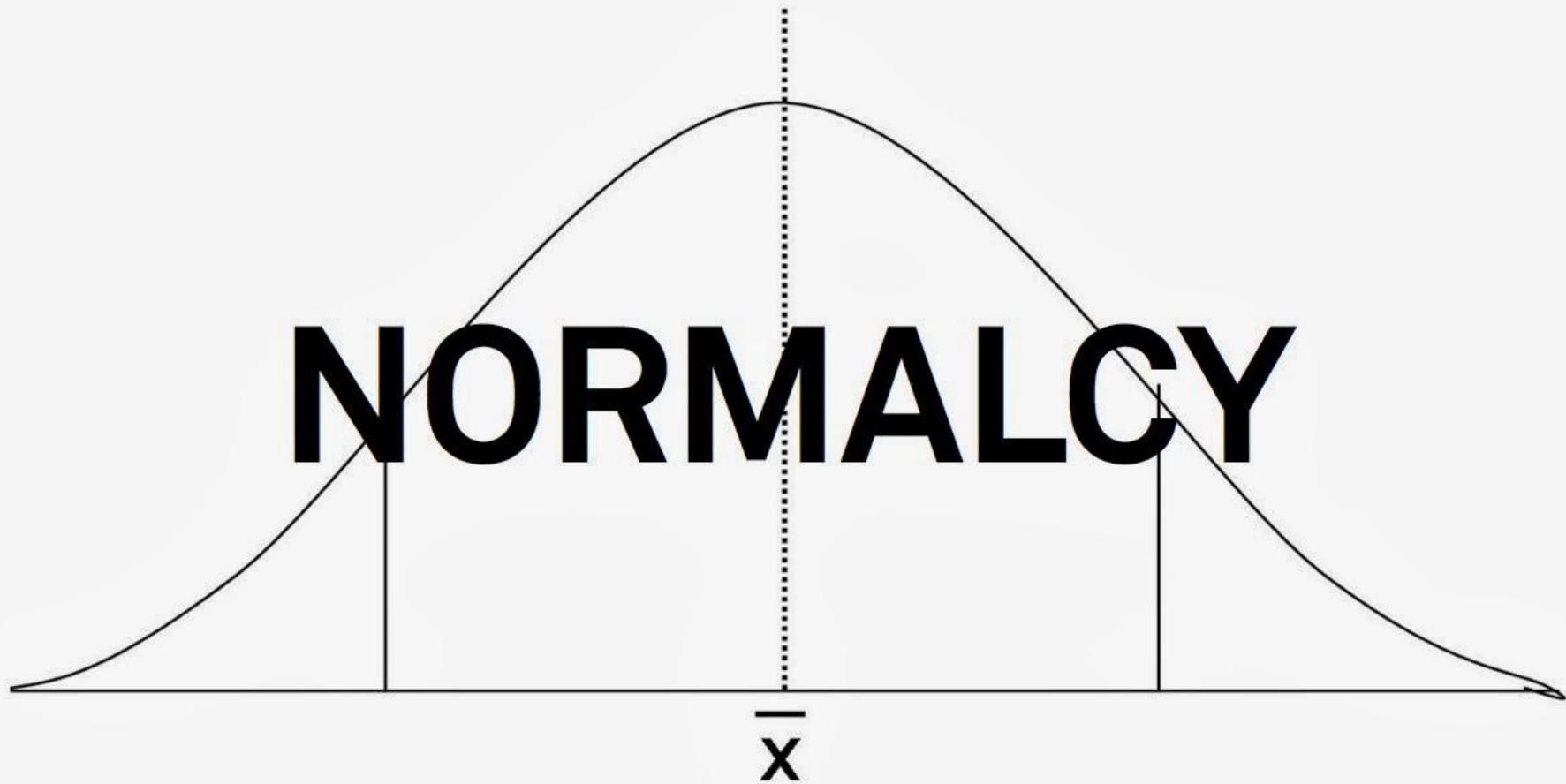
Kid / Artem Shumnik (2012)



The Golden Institute / Sascha Pohflepp (2009)

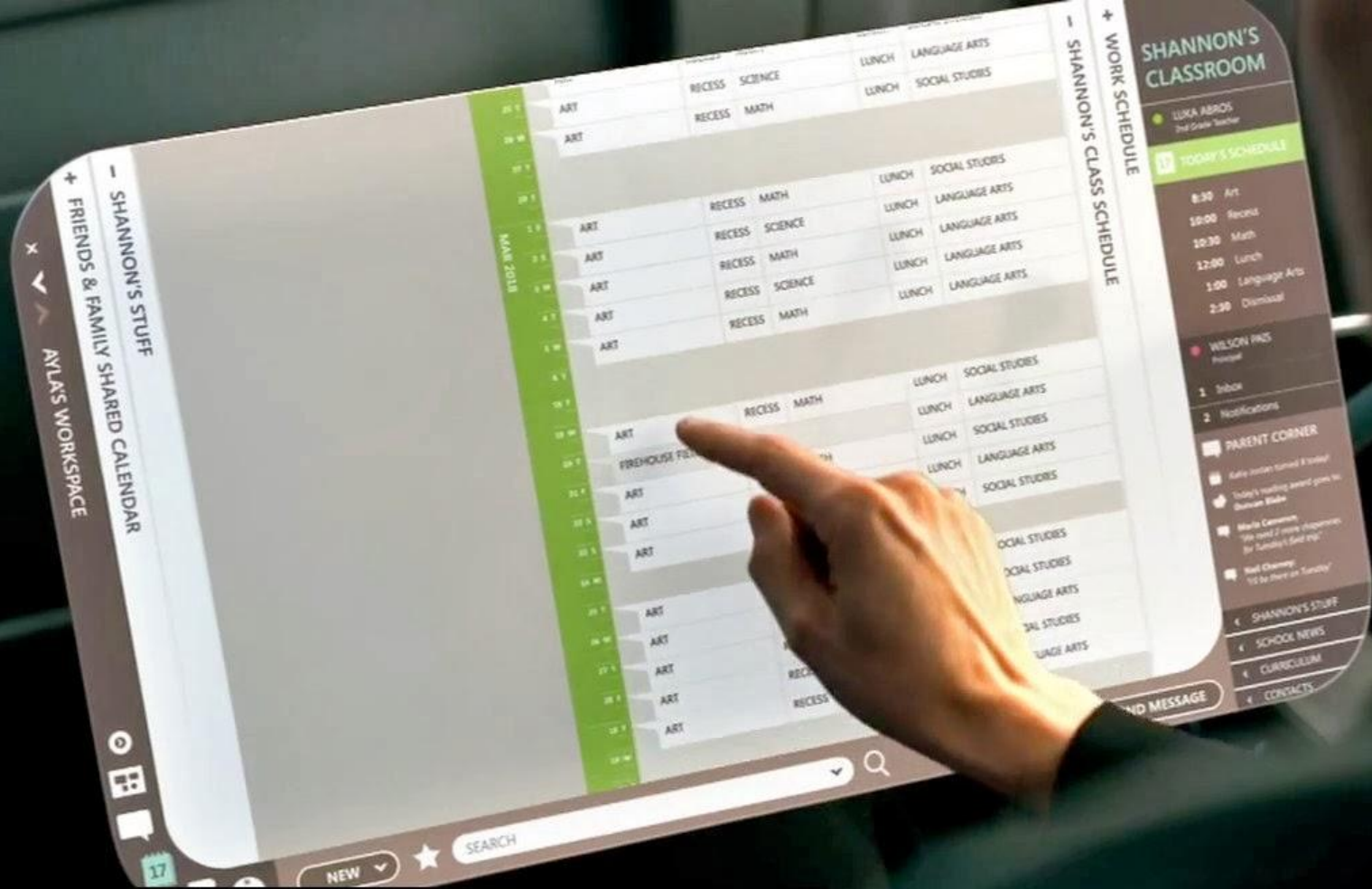


A Brief History of Power / Tobias Revell (2011)

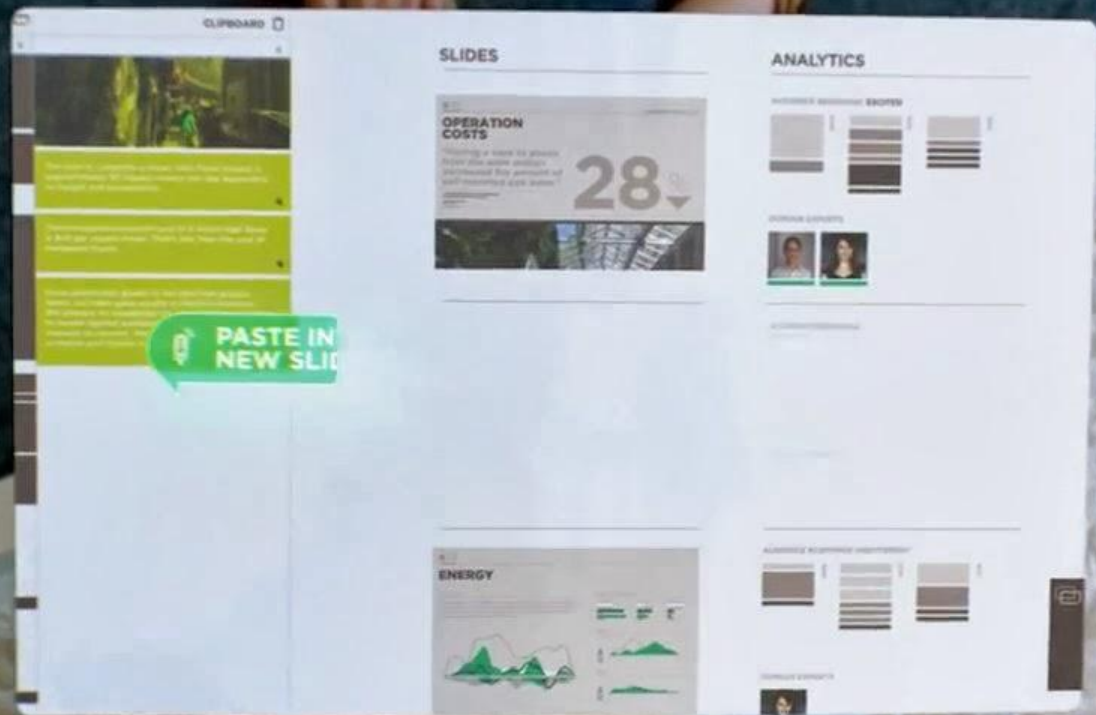


A man with curly hair and a beard, wearing a camouflage jacket, is shown in profile on the left side of the frame. He is looking towards a television set on the right. The television screen displays a dark, silhouetted mountain range against a light sky. The background is a room in a state of complete ruin, with a large pile of rubble and debris in the center. A large, jagged, dark rock formation stands prominently in the background. The lighting is dim and warm, suggesting an indoor setting with artificial light. A hanging light fixture with two bulbs is visible in the upper left. The overall atmosphere is one of desolation and post-apocalyptic survival.

DESIGN FICTIONS



Productivity Future Vision / Microsoft (2009)





How it feels through Google Glass / Google (2013)



Minority Report (2002)



Search

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ON AIR NOW >



11a⁰¹

Happening Now

WATCH LIVE



1p⁰¹

America's News HQ

Hosted by Bill Hemmer & Alisyn Camerota

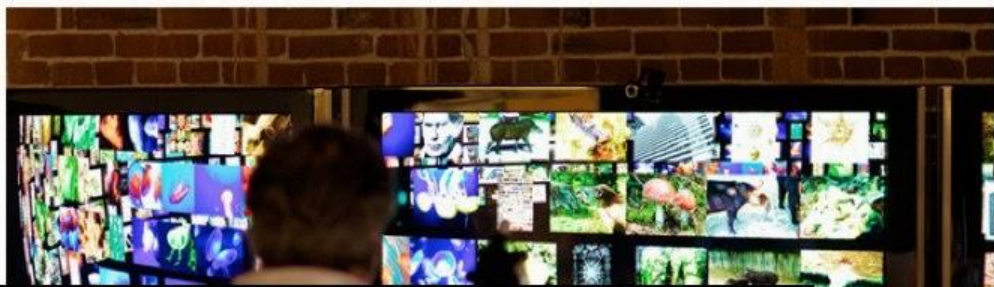
On Air Personalities >

- Home
- Video
- Politics
- U.S.
- Opinion
- Entertainment
- Tech
- Science
- Health
- Travel
- Lifestyle
- World
- Sports
- On Air

- Home
- Gadgets
- Social
- Computers
- Military Tech
- Mobile
- Games
- Slideshows

Futuristic software from Minority Report is real

Published July 23, 2012 / FoxNews.com



'Like something out of Minority Report...'

LG Life's Good

And win BIG prizes!

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Telecommunications of the 1990's / Post Office / BT (1969)

DIEGETIC PROTOTYPES

A man in a grey lab coat is seated at a table, looking towards a laptop. The laptop screen displays a video of a man in a space suit against a starry background. On the table, there is a white tray containing a sandwich, a blue cup, and a yellow container. The scene is set in a dark environment, possibly a space station or a futuristic laboratory.

Slate: So what is a design fiction?

Bruce Sterling: It's the deliberate use of **diegetic prototypes** to suspend disbelief about change.

diegetic prototypes

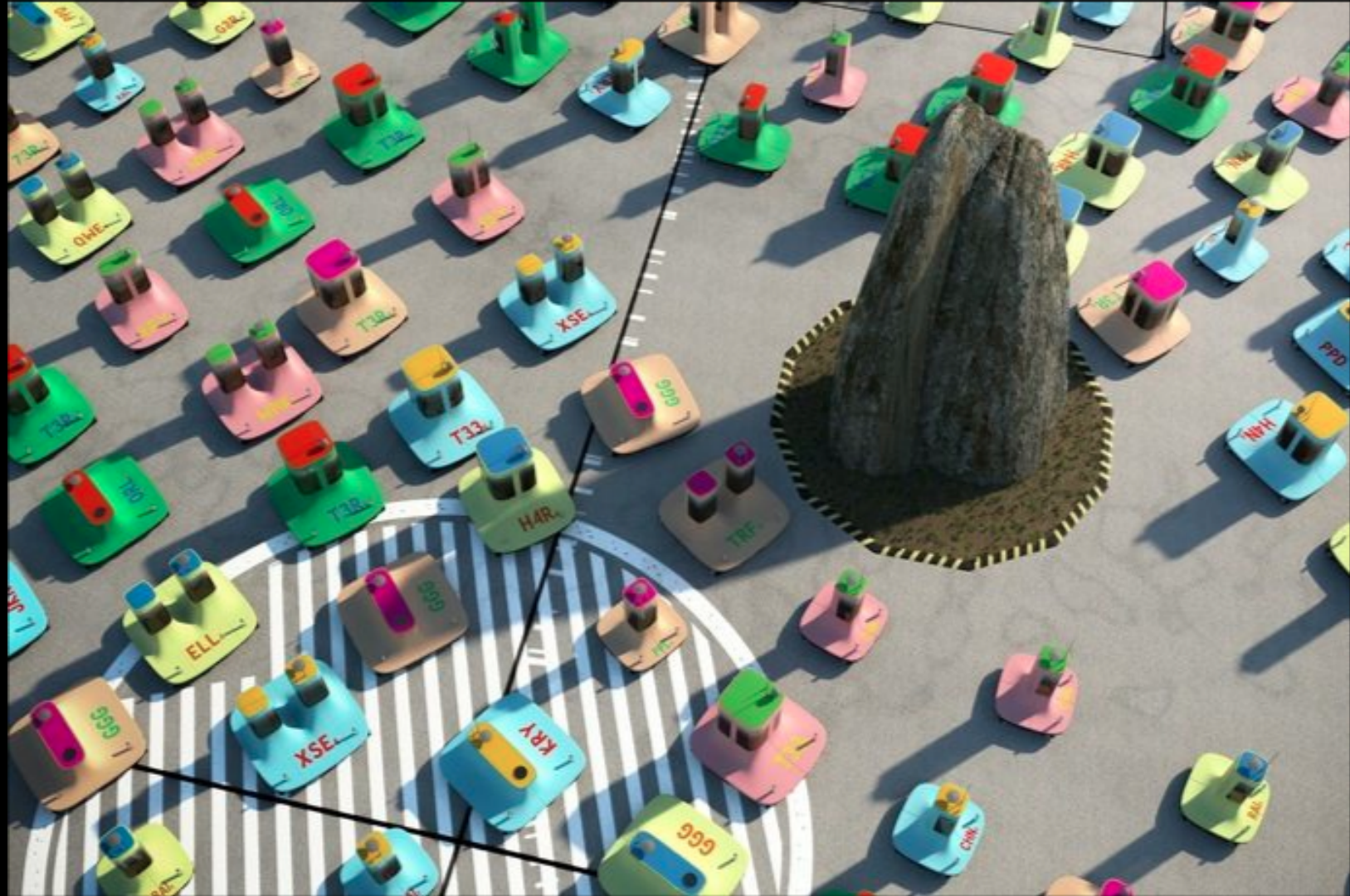
"an approach to design that speculates about
new ideas through prototyping and storytelling"
(bruce Sterling, 2012)

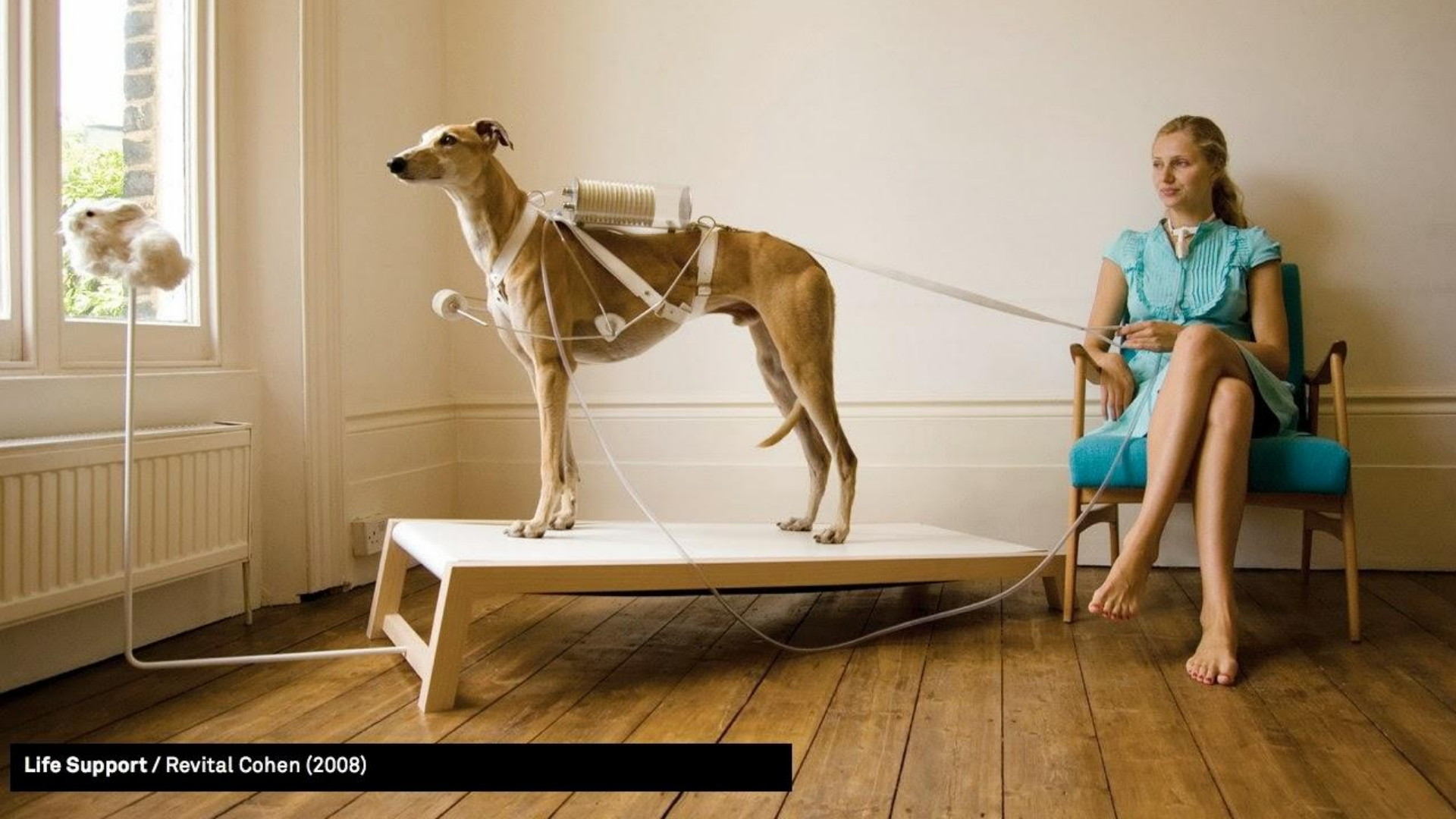


Children of Men (2006)



United MicroKingdoms: Digitarians / Dunne and Raby (2013)

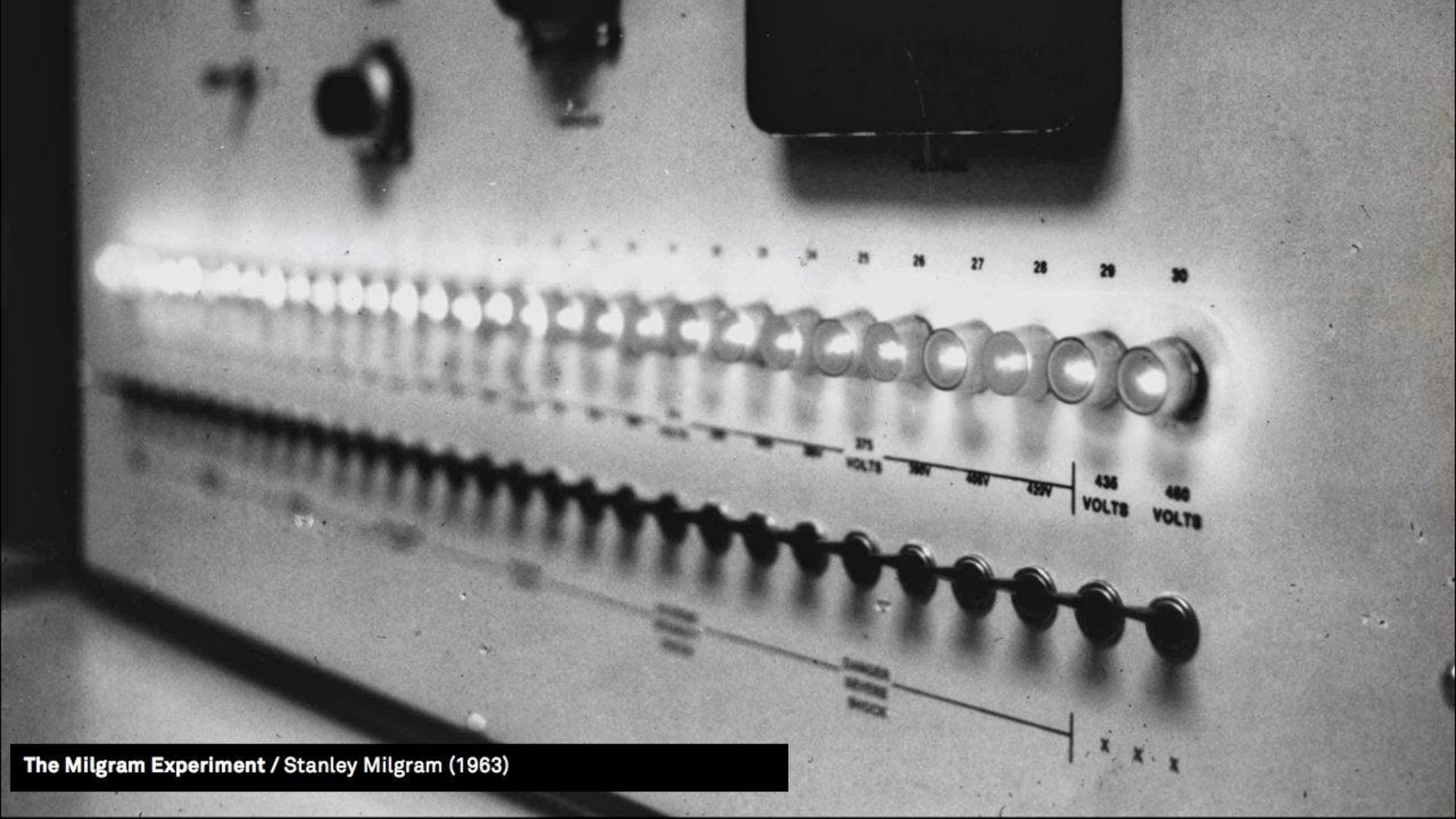




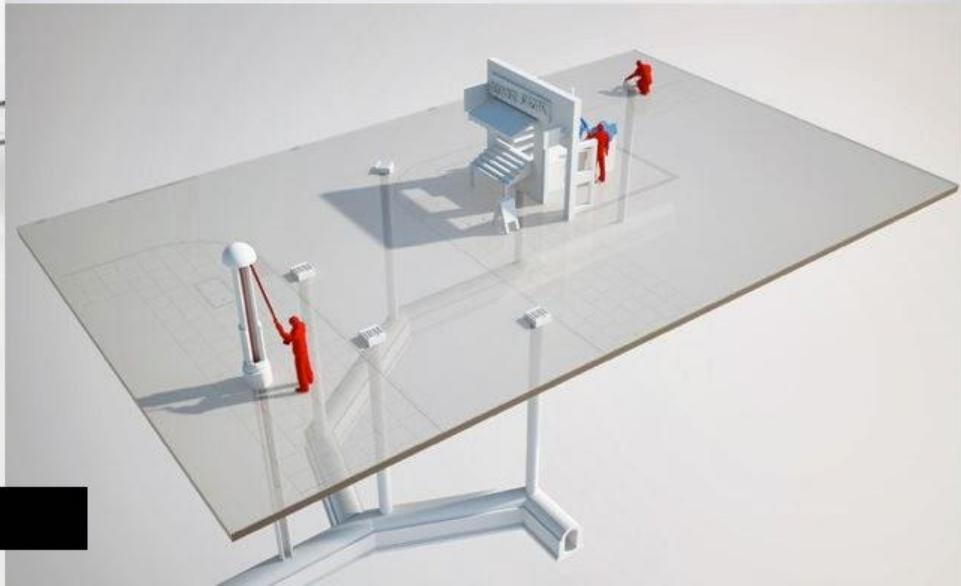
Life Support / Revital Cohen (2008)



Prophecy Program / Andrew Friend & Sitraka Rakotoniaina (2013)



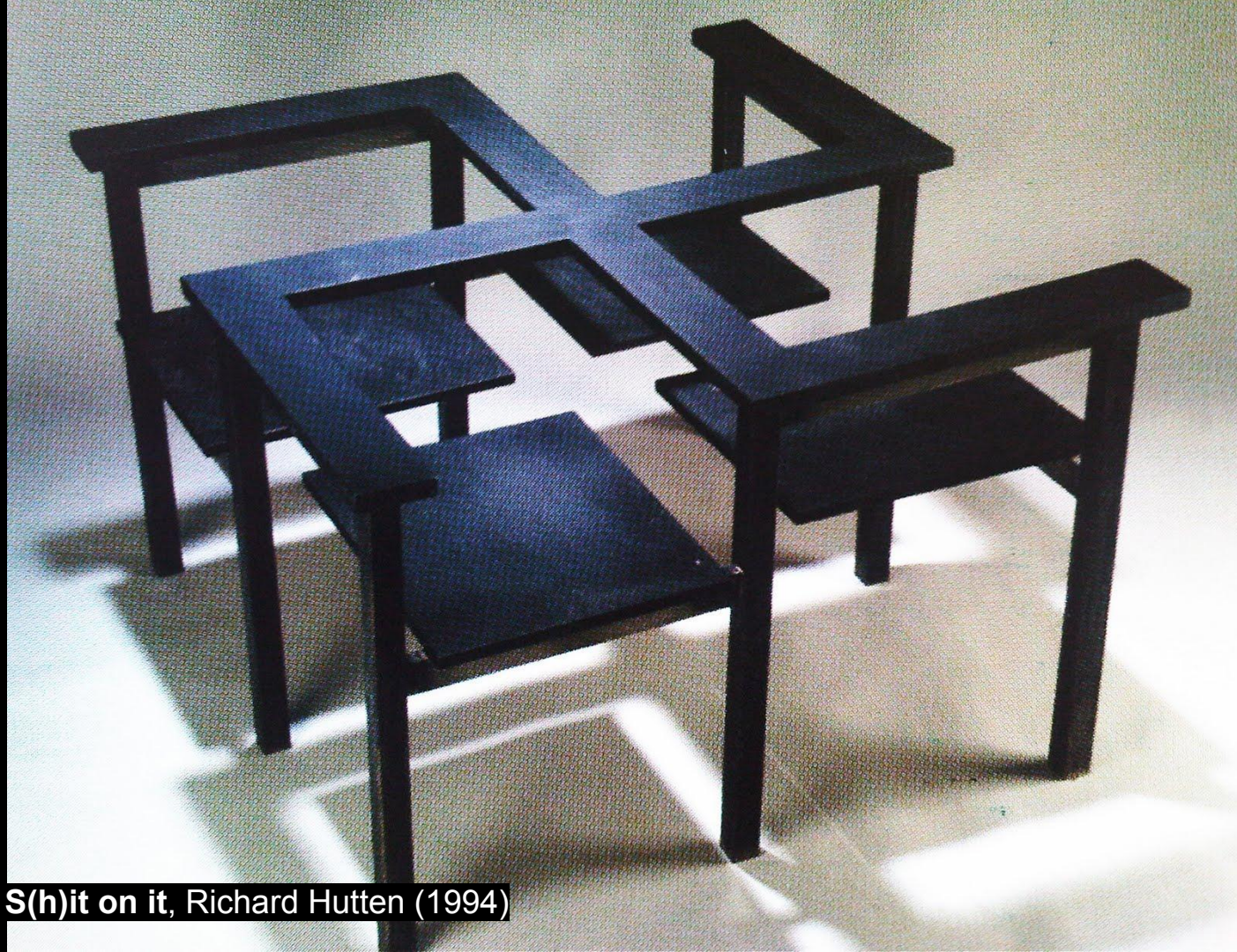
The Milgram Experiment / Stanley Milgram (1963)



Philipp Ronnenburg / Post-Cyberwar Series (2013)

AGENTS OF FEAR





S(h)it on it, Richard Hutten (1994)





Beyonce's site is ambitious for a Tumblr. Keeping in mind the visual emphasis that has made the platform so popular, the site features a photo-



ue that of the language ut in items ed on the



Tessellated Romping Rabbit

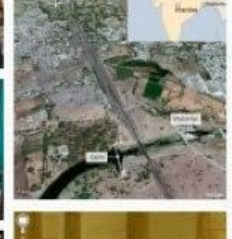
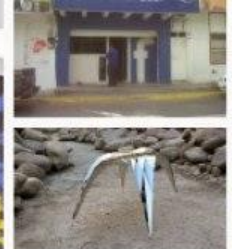
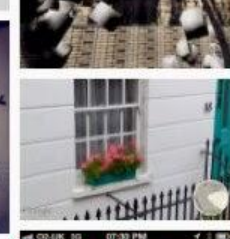


Watch
"This project aims at developing methods that enable natural communication over a distance without revealing one's identity." Facial

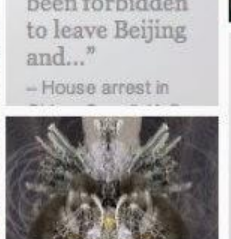
"I don't think the New Aesthetic is heralding the approach of the Singularity's..."



"Here at Google we publish a lot of imagery, most of which comes from the..."
— Images from the Balloon Mapping Kits



"Since his release last June, he has been forbidden to leave Beijing and..."
— House arrest in



Watch
"FACELESS was produced under the rules of the 'Manifesto for CCTV Filmmakers'. The manifesto states, amongst other things,



Content-Aware Comics
For a hoot I decided to run some of my comics through Photoshop's content-aware fill. Yikes, right? Content-

"Education technology has long since delivered on its promise of software that..."
— Large study shows



"This all good and well but I think this is the surface of things. As a result..."
— Is the New

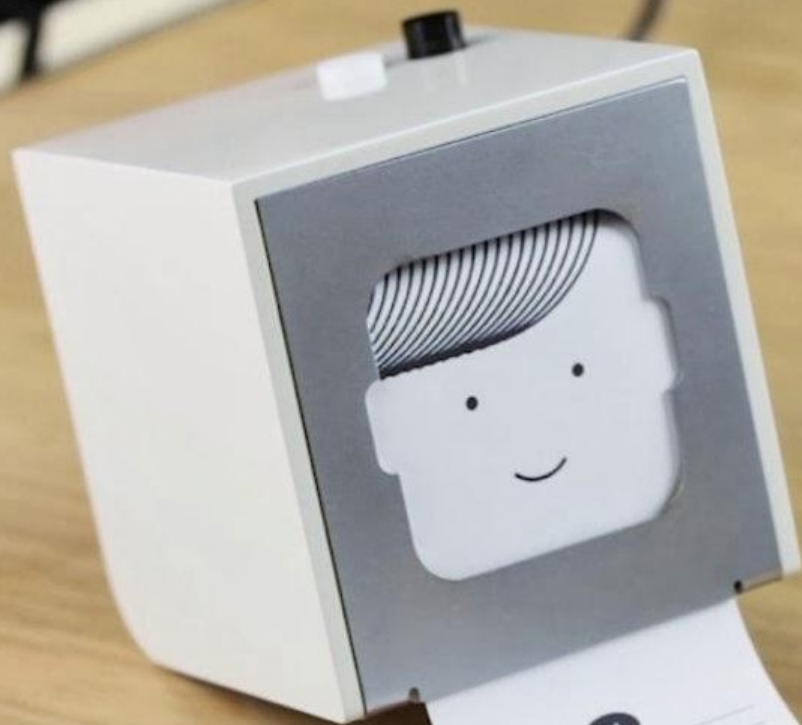
HTML Entities as Word of the Day, via Reddit



Web Slices

The New Aesthetic / James Bridle (2011)





36
DELIVERED AT 1PM
Little Printer
Printed by
Location
Date 23 Nov 2011
guardian
23 NOV 2011

Little Printer / BERG



Silent Spring / Liam Young (2012)

A dramatic low-angle shot of a rocket launch. The rocket is angled upwards from the bottom right towards the top left. The base of the rocket is engulfed in a bright, intense white and orange flame from its engines. The background shows a vast expanse of blue sky with a thin layer of white clouds near the horizon. The lighting is soft, suggesting a sunrise or sunset, with a warm orange glow on the left side of the frame. The text "SPACE IS THE PLACE" is centered in the middle of the image in a large, bold, white, sans-serif font.

**SPACE IS
THE PLACE**



Space Project / Vincent Fournier (2011)



Into Orbit / Joseph Popper (2012)



Space Exodus / Larissa Sansour (2009)





Afronauts / Cristina De Middel (2012)



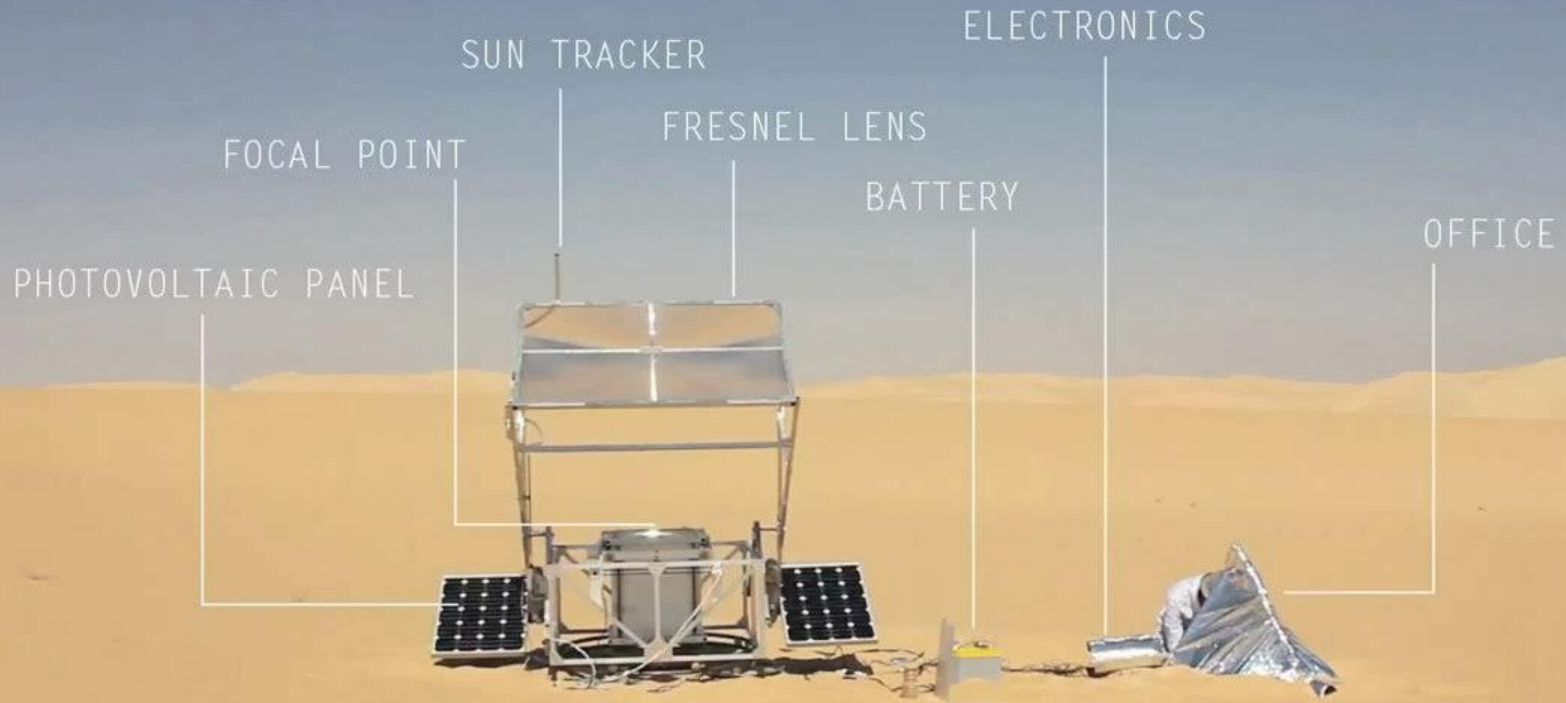
Welsh Space Campaign / Hefin Jones (2013)

An aerial photograph of a large aircraft manufacturing plant. The scene is filled with various aircraft components, including fuselages, wings, and tail sections, arranged in rows. Numerous workers are visible on the factory floor, engaged in assembly tasks. The word "MATERIALS" is overlaid in large, bold, white capital letters across the center of the image. The overall atmosphere is one of intense industrial activity.

MATERIALS



Amazing 3D Printing



Solar Sinter / Markus Kayser (20011)



The Toaster Project / Thomas Thwaites (2010)



Err. / Jeremy Hutchinson (2010)



75 Watt / Cohen Van Balen (2013)



TRANSHUMAN



Prospectus for A Future Body / Choy Ka Fai (2012)



MENSTRUATION MACHINE

生理マシン、タカシの場合



Hey, what's up?



Transfiguration / Agatha Haines (2013)



Specimens of Unnatural History / Liam Young (2011)



I Wanna Deliver A Shark / Ai Hasegawa (2012)

The image features a vibrant, abstract background composed of numerous overlapping circles in various colors, including shades of blue, green, purple, and yellow. The circles vary in size and are scattered across the frame, creating a dense, textured effect. In the center, the word "SYNTHETICS" is written in a bold, white, sans-serif font, standing out prominently against the colorful backdrop.

SYNTHETICS



New Mumbai / Tobias Revell (2012)



Common Flowers/ Georg Tremmel & Shiho Fukuhara (2009)



Energy Futures, Dunne & Raby (2004)



Foragers, Dunne & Raby (2009)





#PalmOPS

BIOLULZ

palm oil plantation

#BIOLULZ



#BIOCCUPY DIESEL

Refueling Container

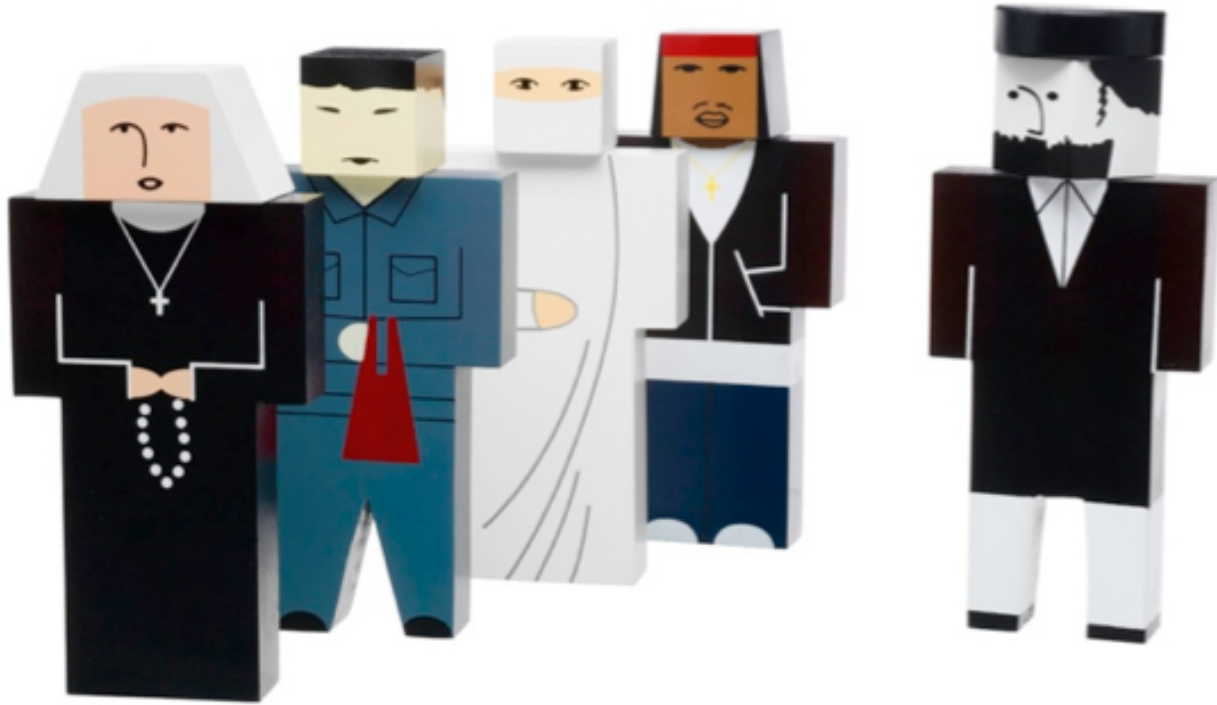
Fuel Microorganisms
H₂O



The New Weathermen / David Benque (2013)



NEW GEOPOLITICS



Babel Blocks, Constantin Boym (2007)

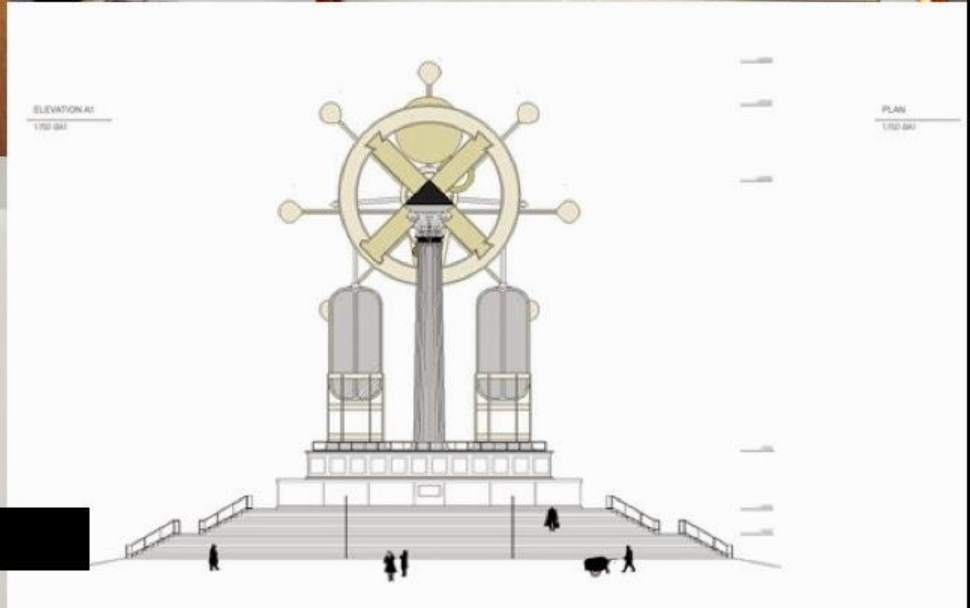




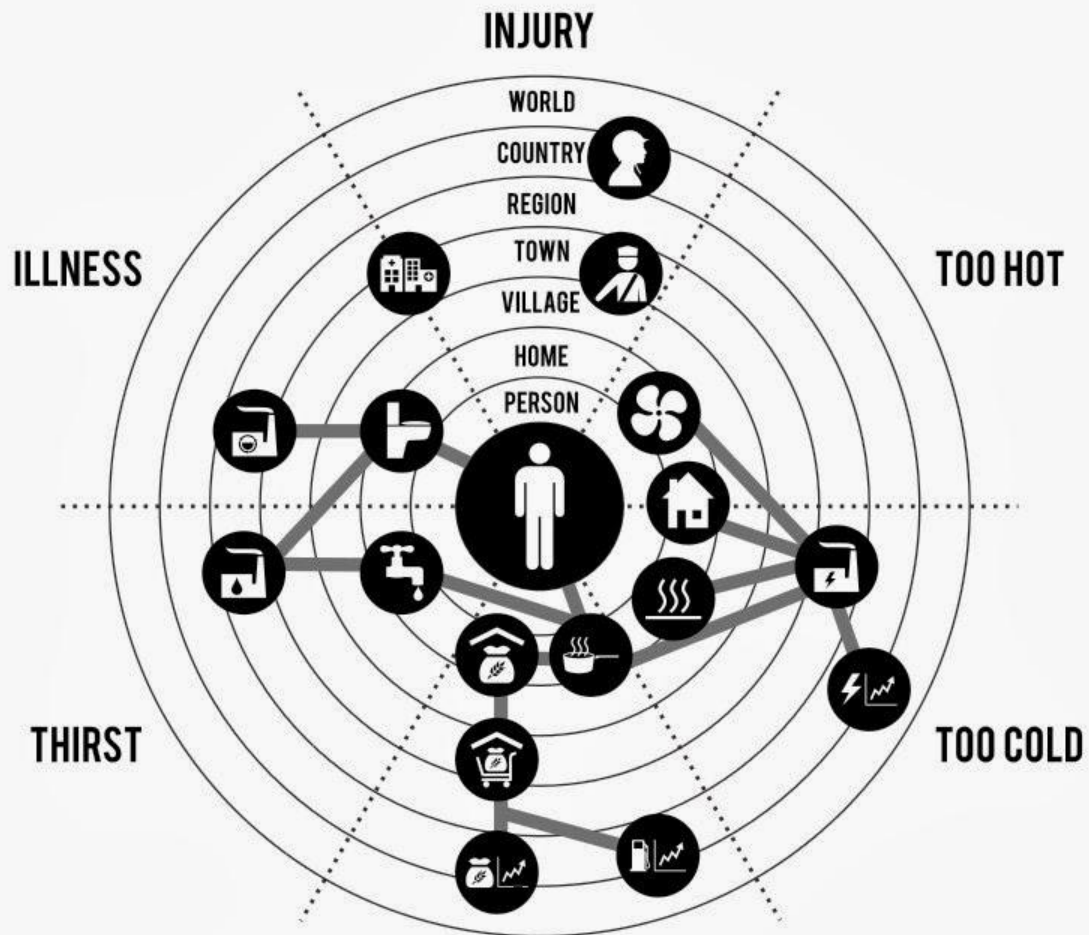
88.7, Stories From The First Transnational Traders / Tobias Revell (2012)



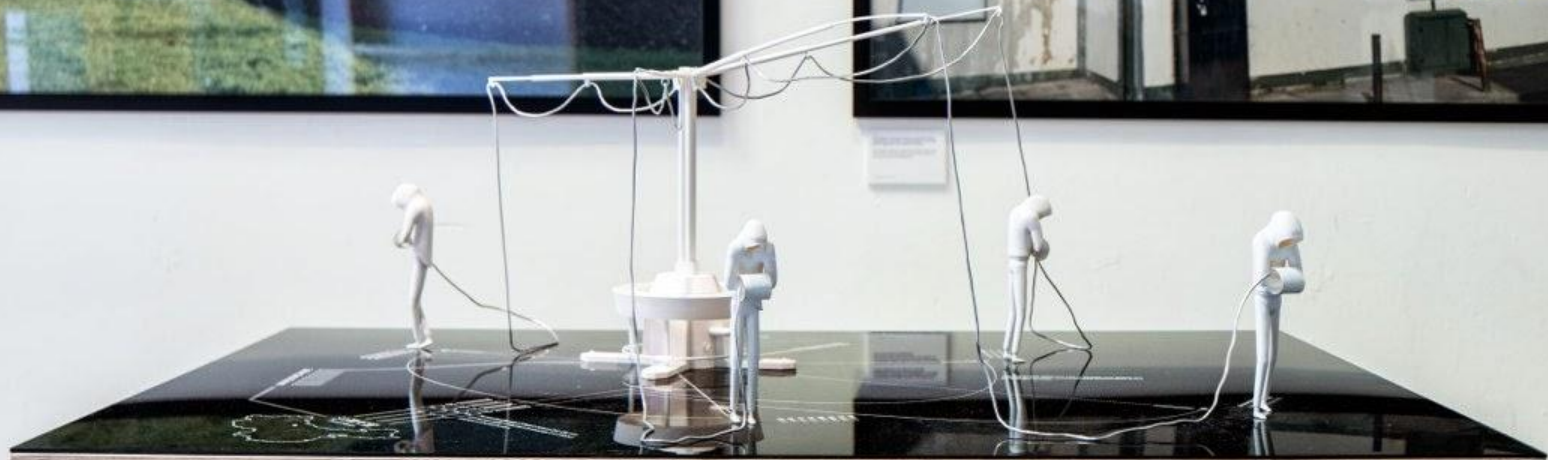
Commodotised Warfare / Yosuke Ushigome (2013)



The Intel-Cyprus Merger / Zoe Papadopoulou (2011)

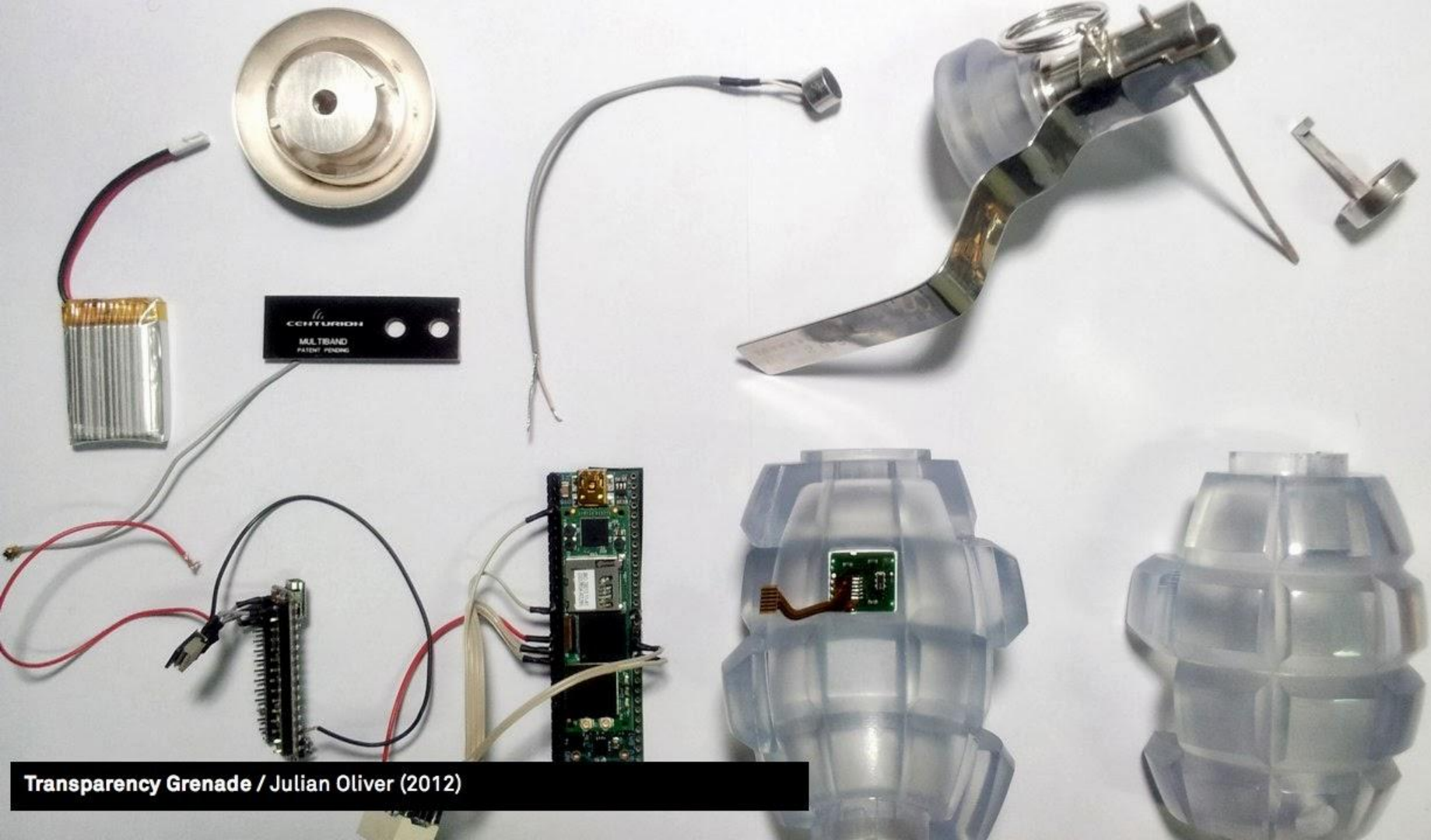


Simple Critical Infrastructure Map / Stacktivists (et al.)



De Architecten van Gullfren worden geleid door Sargis
in de nieuwe Chinese Kuis Stad. Samen met de
bestaande architecten van de stad en zijn Chinese burger
enkele de belangrijkste gebouwen voor het ontwerp.
De Architecten zijn bereid om de resterende grondstoffen
na hun werk te gebruiken voor de volgende stad.

Mercenary Cubiclists / Tobias Revell (2013)



Transparency Grenade / Julian Oliver (2012)

- **Yes, but is it art?**
- **What if? ... Then what?**
- **How do you measure success?**

In-Class Assignment

- Create a mock-up/sketch/prototype that embodies critical design.
- Post on blogpost.
- Write 3-4 sentences that explain how that piece executes critical design.

References:

- Revell, Tobias. “Critical Design/Design Fiction Lecture.” *Tobias Revell Blog*. 12 Feb. 2013. Web 28 Jun. 2014. <http://blog.tobiasrevell.com/2013/12/critical-design-design-fiction-lecture.html>
- Boym, Constantin. “Critical Design.” Design for the Century. Wollman Hall. The New School, New York. 7 Nov. 2013. Lecture.