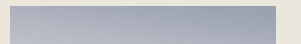


Interfaces ?







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Wahrnehmungsmaschine,, Dominic Wilcox

The Reinvention of Normal

A Louis Svach-Pierre Film



yudo office

kamitopen.com · kamitopen.com

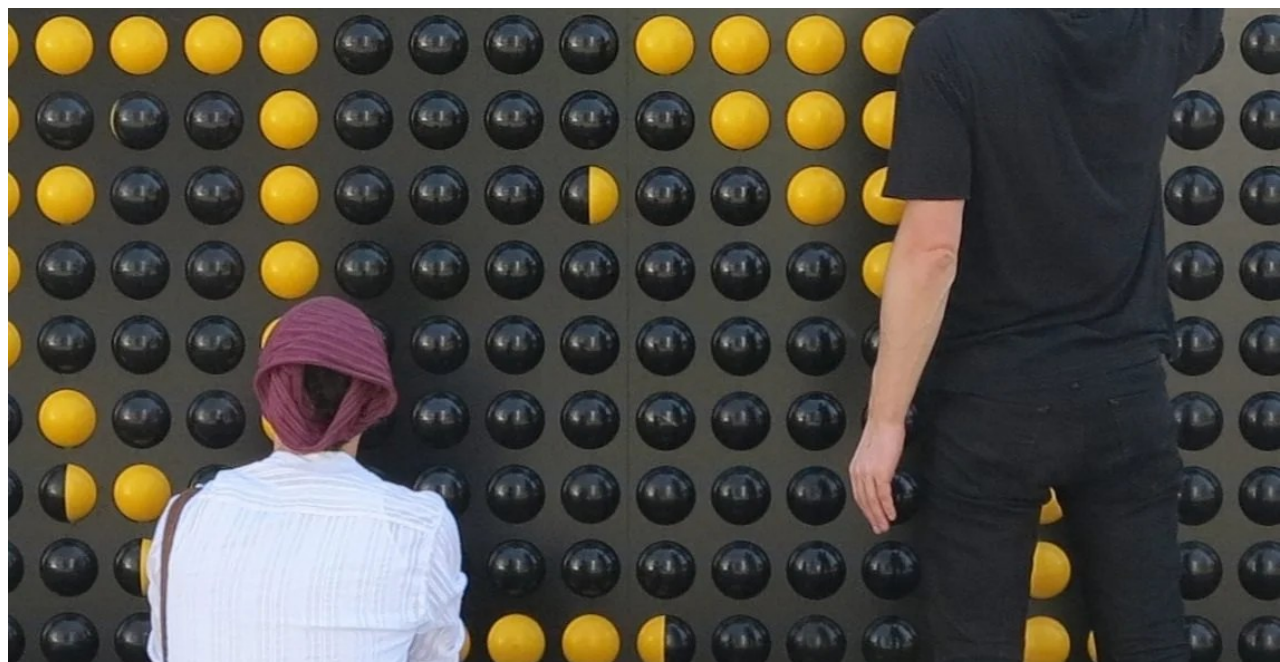


Studio Hardie

Studio Hardie - www.studiohardie.com



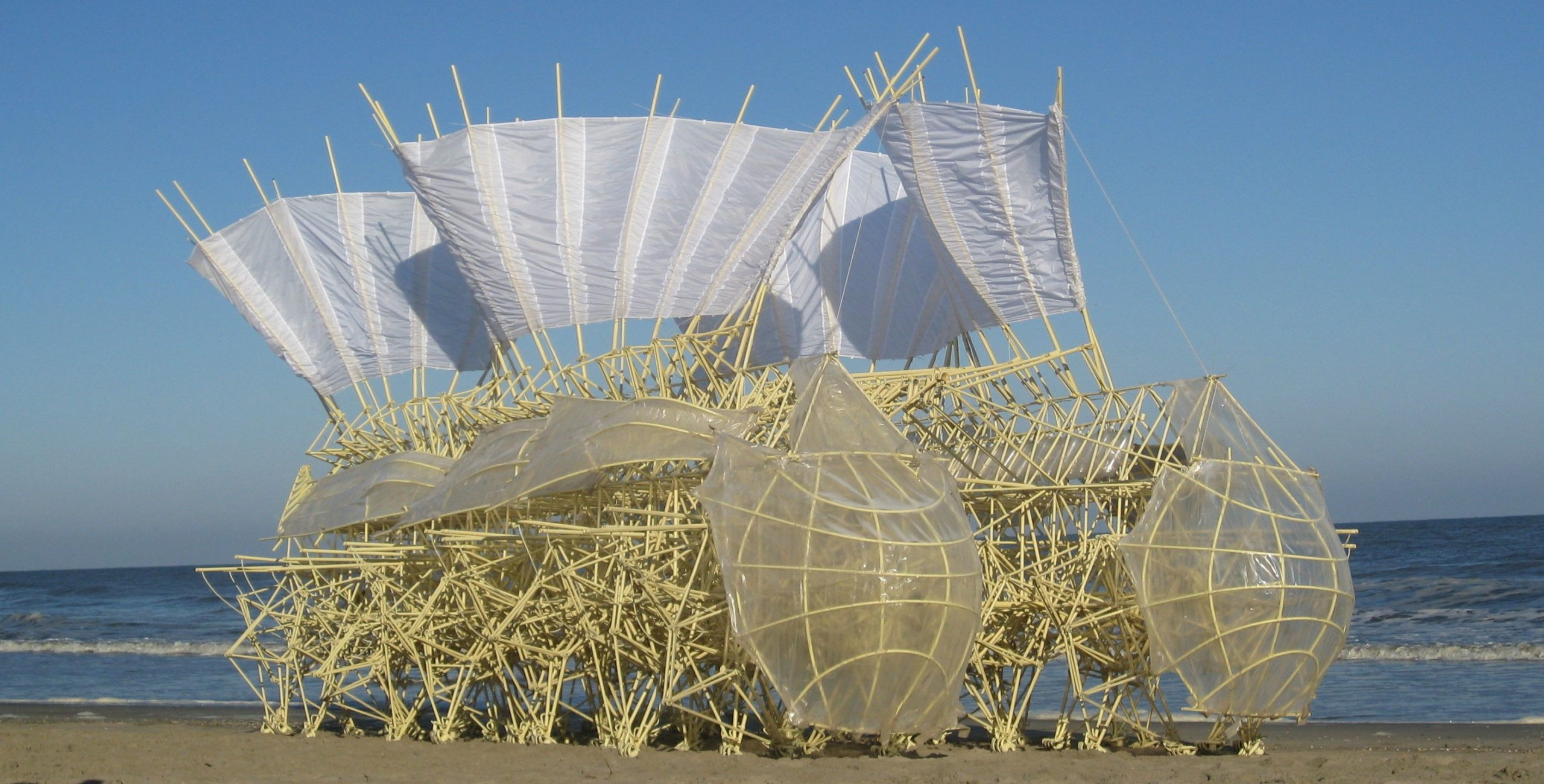
Studio Hardie



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RANDOM INTERNATIONAL





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Theo Jansen - Strandbeast



Semantik und Nutzererlebnis





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Dieter Rams

Dieter Rams: Less and More



Dieter Rams

The Father of Industrial Design

 Design Docs





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Toni Box, Boxine GmbH

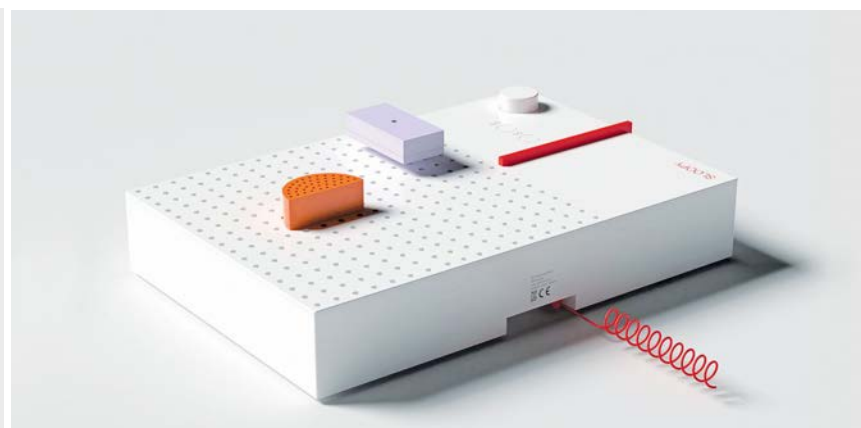
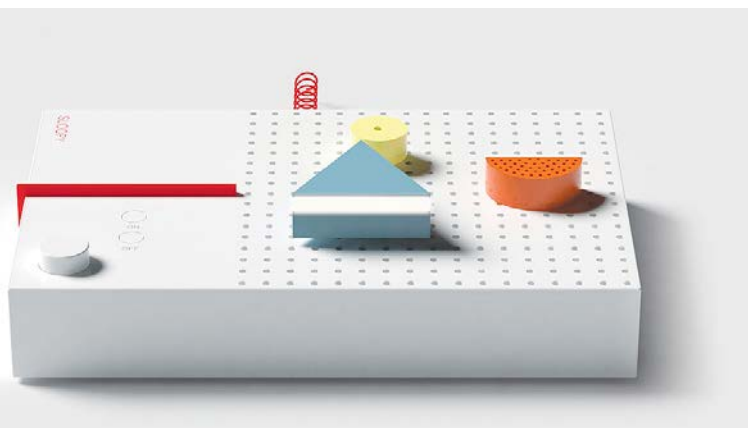


Yoto-Player, Pentagram









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SLOOPY A sleep-assistance device, Lee Sohyeon

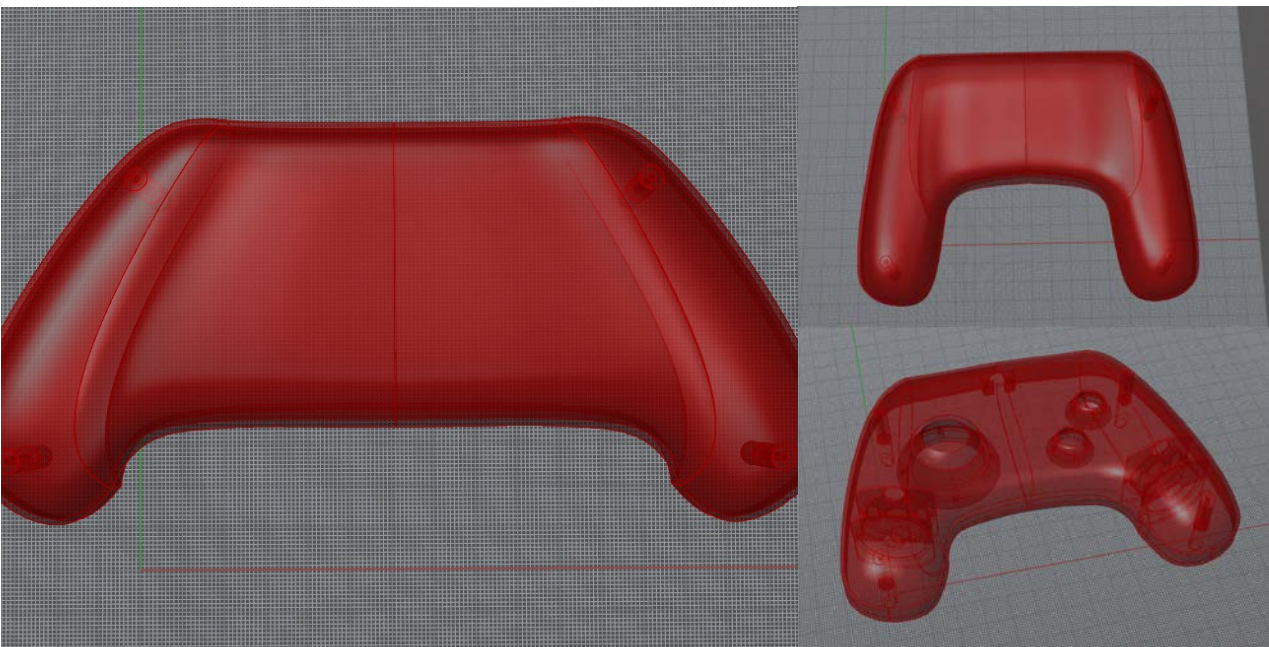
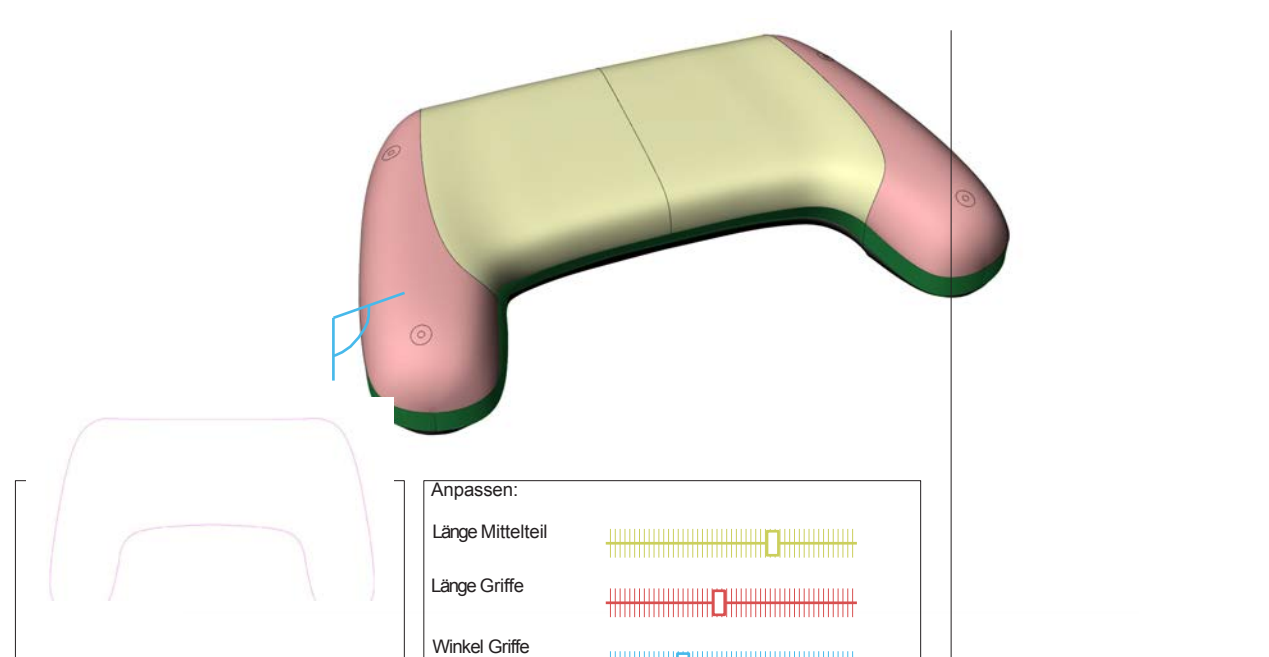


(Projekt: Wolfgang Wischmann)



CUSTOMIZER -





Human < - > Computer





Command Line Interface (CLI)

- Benutzer interagiert durch eine vorgegebene Anzahl von Textbefehlen
- Es ist ein hohes Wissen über Syntax notwendig, da eine strikte Einhaltung unabdingbar ist - keine Fehlertoleranz
- Eingabe ausschließlich über die Tastatur
Ausgabe über Monochrome
Darstellungsflächen



A funny thing
happens when you design
a computer everyone
can use.



Everyone uses it.

At Apple, we only have one rule:
Rules are made to be broken.
Take "Thou shalt be compatible
with IBM," for instance.

We decided there was some-
thing more important than building
a computer that's compatible with
another computer.

Namely, building a computer

that's compatible with people.

So, we bet the farm.

We went ahead and built
Macintosh.™ The most powerful, most
portable, most versatile computer
not-very-much-money could buy.

The first business computer you
can actually use without ever taking
the cellophane off the instruction
manual.

We knew we were onto something
when we'd sold 72,000 Macintoshes
in the first 100 days. And began
receiving so many fan letters, we had
to start using shopping carts for
in-baskets.

Fan letters from a Rabbi
in Florida. A free-lance writer in
California. A cost analyst at Exxon.
A pharmacist in Miami.

Letters of thanks. Letters of praise.
But what pleased us most about
the letters wasn't the words of grati-
tude, the rave reviews or the votes of
confidence.

What pleased us most about the
letters was that many had been written
on Macintoshes.

By people who had never used a
computer before.

That's why we've reprinted a few
of those letters here.

What better way to show you
that knowing almost nothing about
computers never stopped anyone
from doing almost anything with a
Macintosh.

From designing letterheads
to cataloguing pharmaceuticals to
analyzing fiscal expenditures to
drafting marketing presentations.

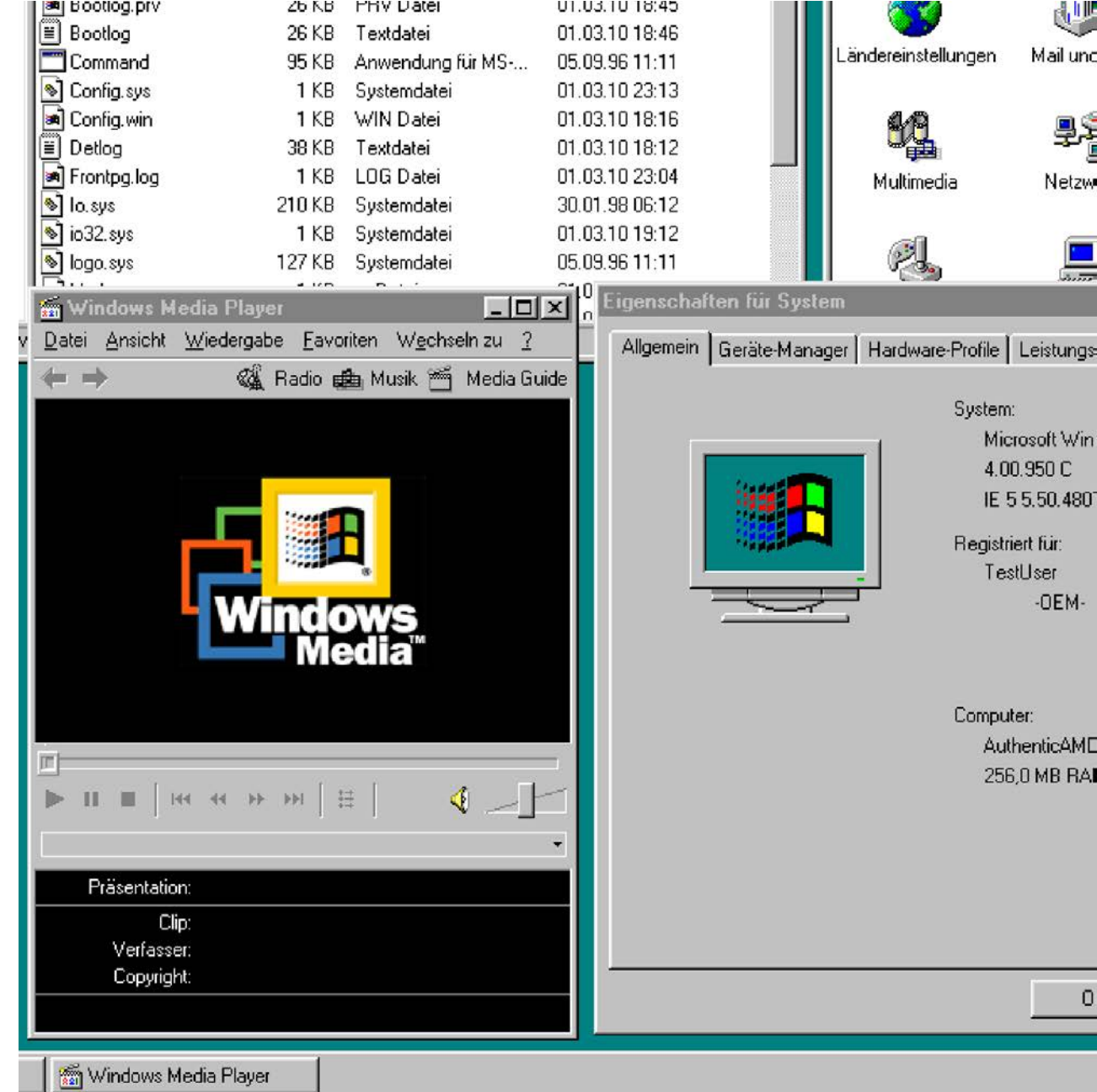
Here, before our very eyes (and
yours), is our own technology smiling
back at us.

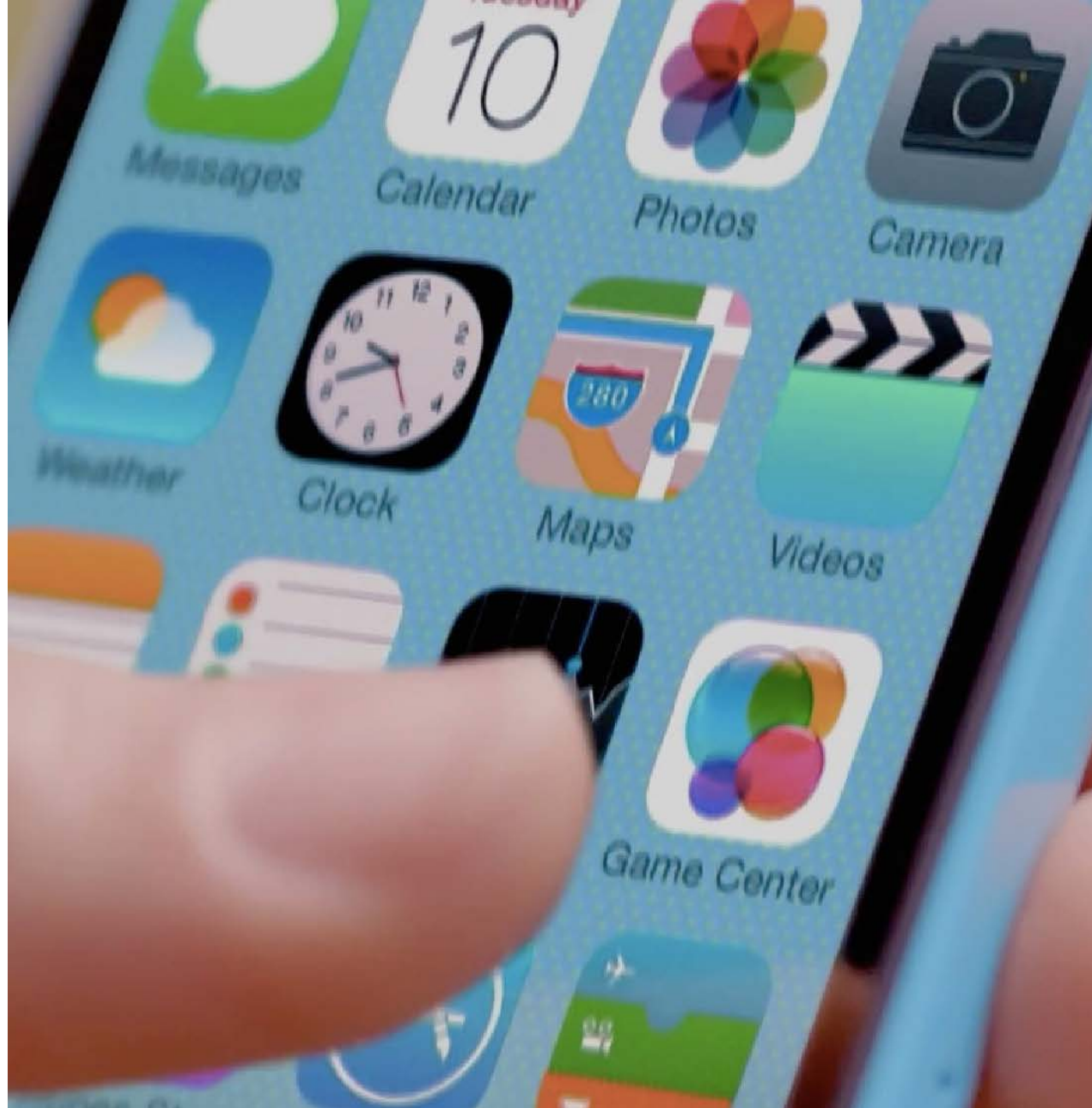
Proof that sometimes when you
set out to change the rules, you wind
up changing the world.



Grafische Benutzerschnittstelle (GUI)

- Grundprinzip der Interaktion ist WIMP (Windows, Icons, Menüs und Pointer=Mauspfeil)
- Größeren Farbvielfalt (Farbe transportiert Infos, Beispiel aktives Fenster, Primary Action)
- Darstellung über Metaphern vereinfacht die Bedienung (Desktopmetapher als Oberfläche, Fenster,
- Symbole, Menüs)
- Eine Maus erweitert die Eingabemöglichkeiten
- Der Anwender interagiert über sogenannte Composite Skills (Fertigkeiten, die sich in keinem anderen Kontext wiederverwenden lassen und erlernt werden müssen, bsp. rechter Mausklick)
- Gängige GUIs isolieren den Anwender von seiner physischen und sozialen Umgebung in hohem Maße





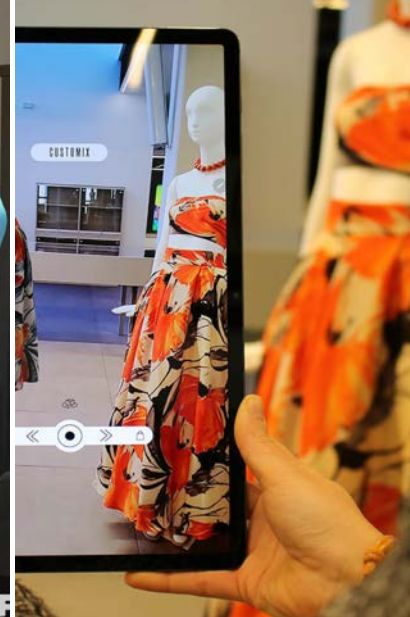
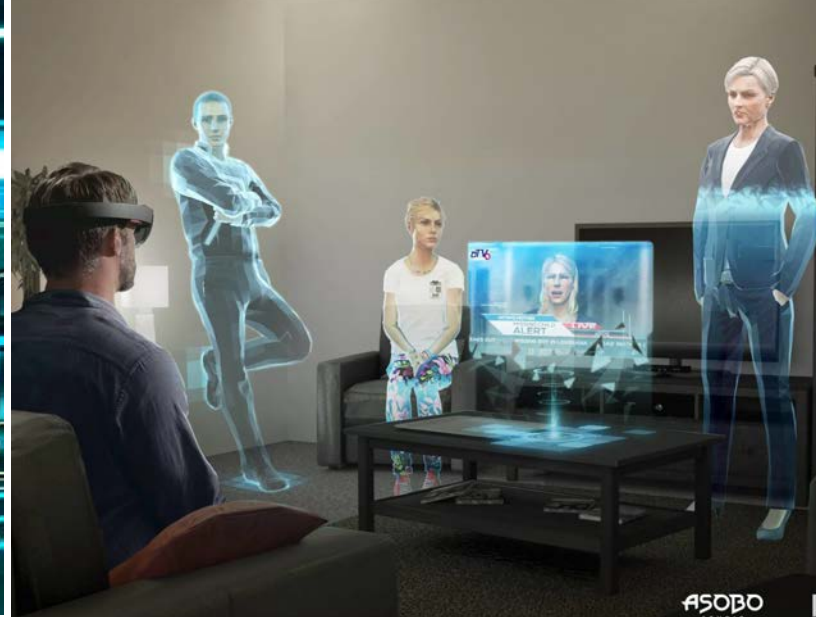
Wesensmerkmale von NUI's

- intuitiv bedienbar
- dynamisch-adaptiv, passen sich also dem Nutzer und seinen Interessen an
- unterstützen Multimedialität und Multimodalität
- agieren nutzerzentriert
- sind kooperativ und nicht nur interaktiv
- geben ihren Nutzern unmittelbares und direktes Feedback
- verhalten sich situativ-relevant und sind kontextsensitiv
- erlauben unmittelbare direkte Interaktionen
- sind intermedial, verknüpfen die reale mit der virtuellen Welt
- unterstützen Multi-User-Verhalten





XR - NEXT REALITY



- VR to physical Reality

Video Game

Magic Leap

Instagram Filters

VR Games

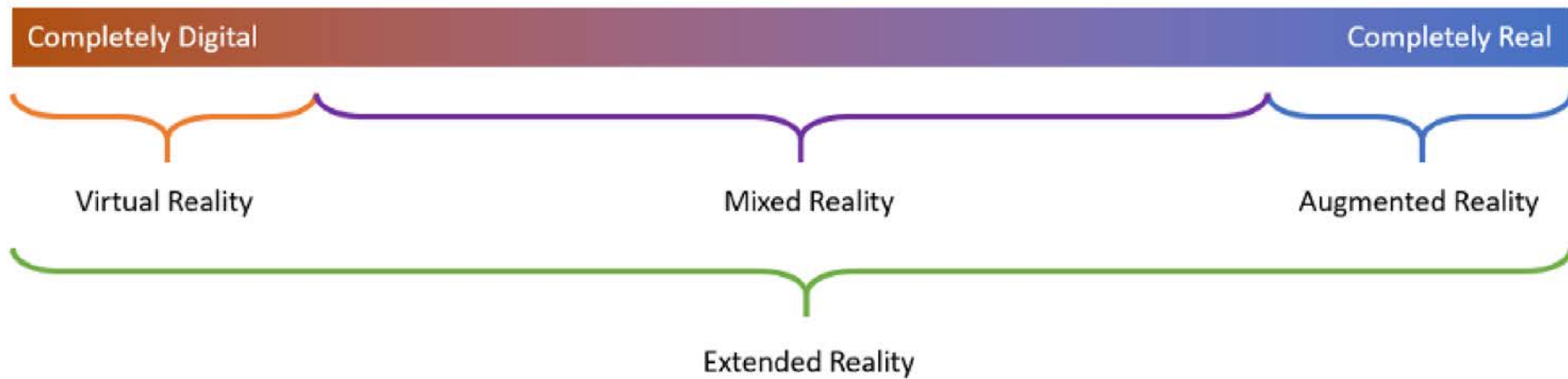
The Void

HoloLens

ARkit

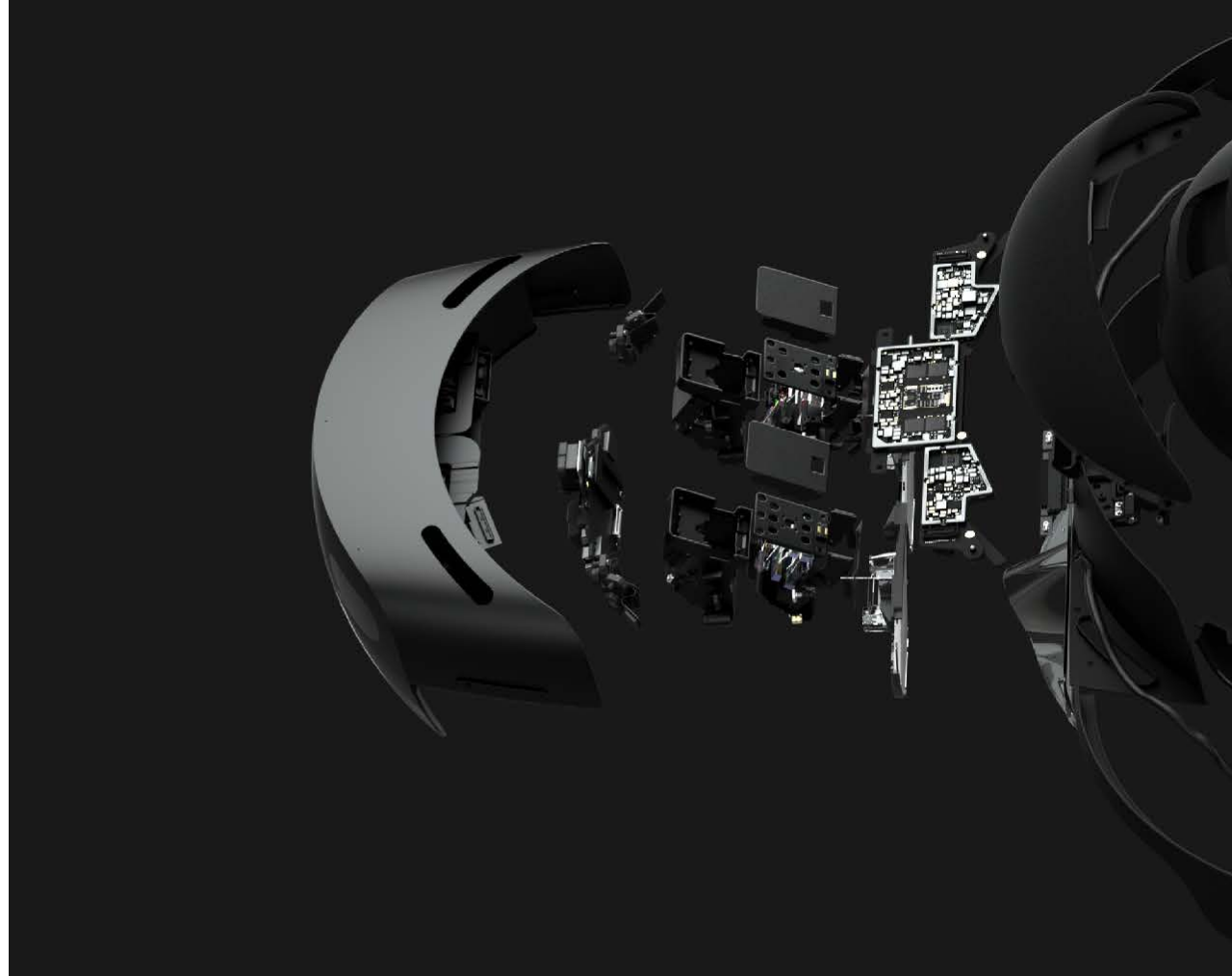
Pokemon Go

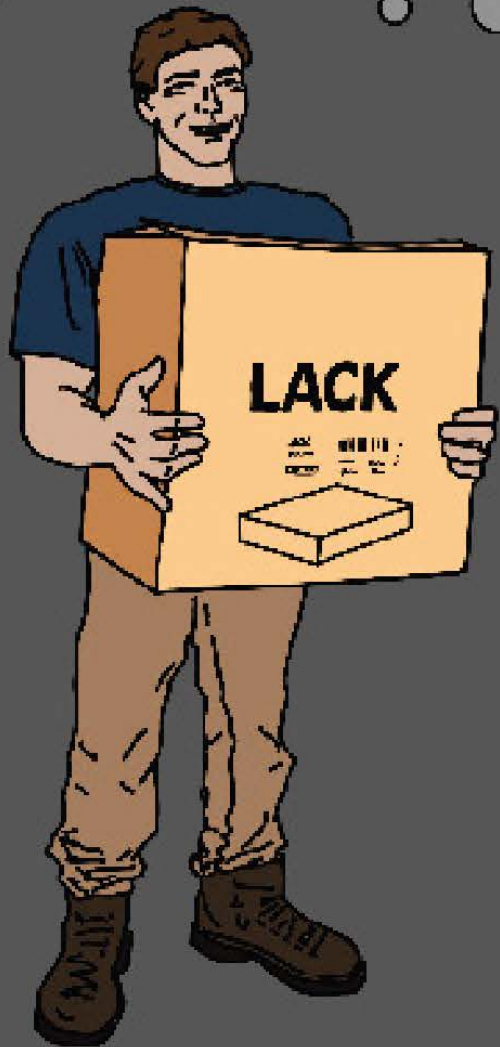
Actual Photos

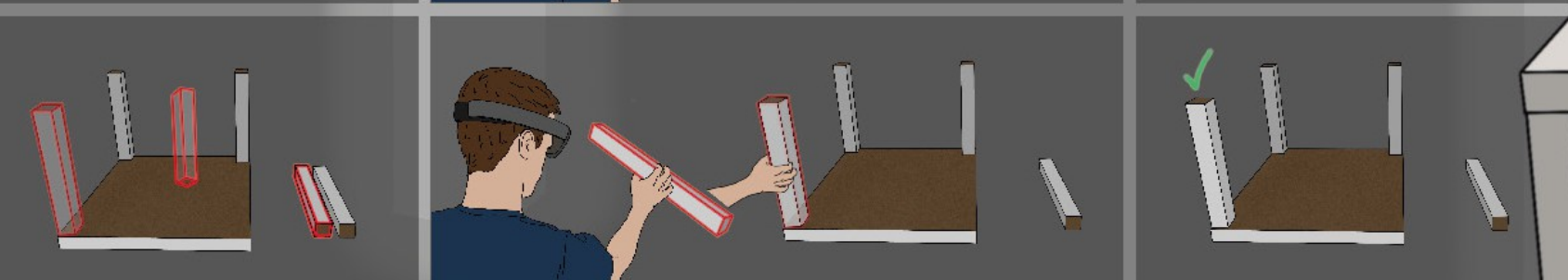
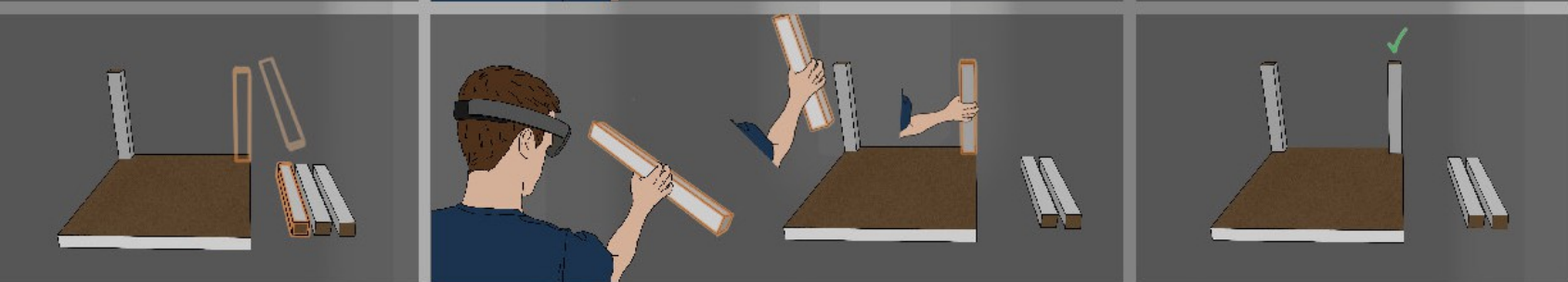
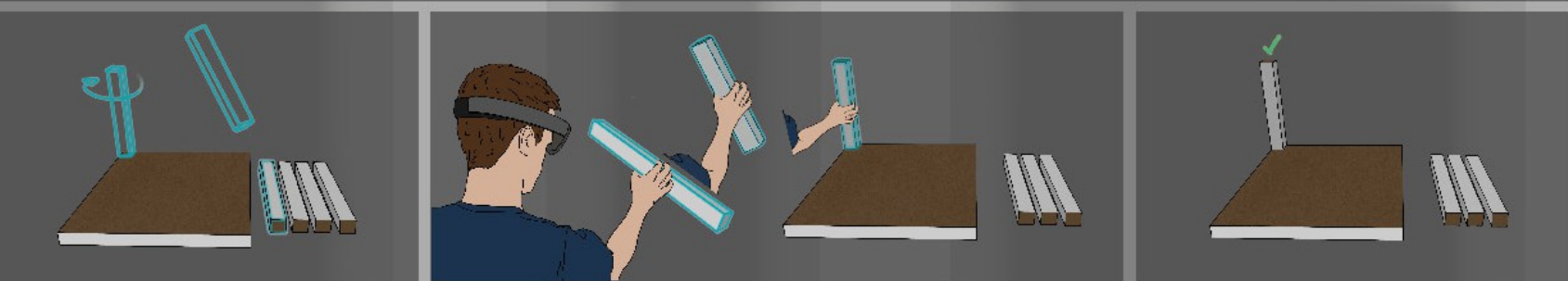
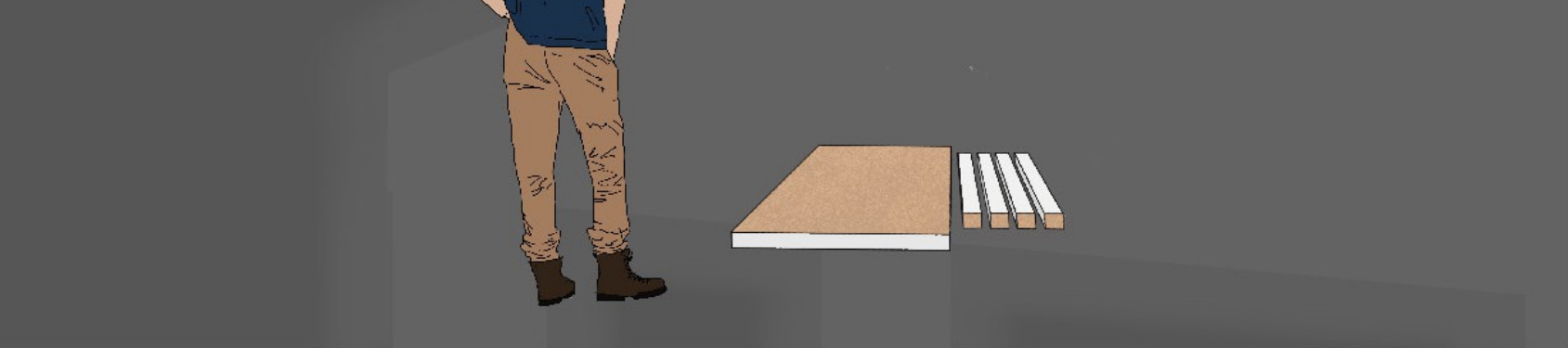




XR - NEXT REALITY - XR Headset Microsoft HoloLens 2, Imgs.: Microsoft

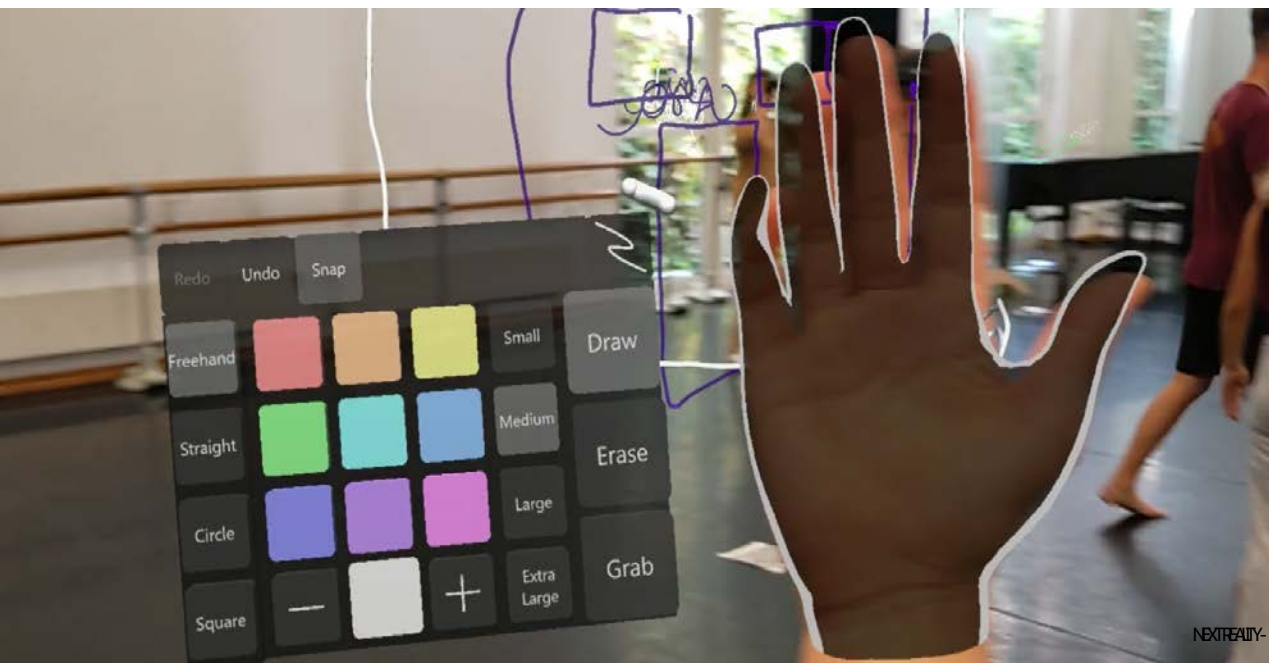








- Projekt: PerformanceFiction mit Studierenden des PhysicalTheater



NEXTREALITY-



10915_034926_HoloLens

AM EINSATZORT EINGETROFFEN ERWARTET DIE FEUERWEHR OFT EINE UNÜBERSICHTLICHE SITUATION. DIE EINSATZLEITUNG MUSS VIELE INFORMATIONEN SAMMELN, DIESE VERARBEITEN UND DEN EINSATZ ENSTPRECHEND PLANEN.

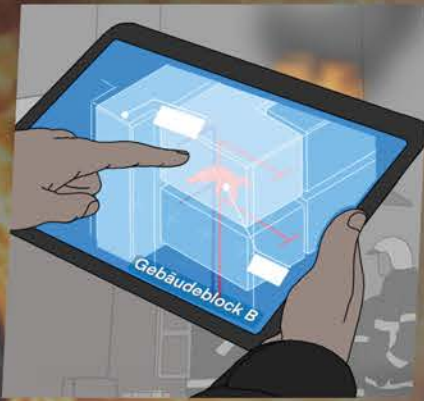
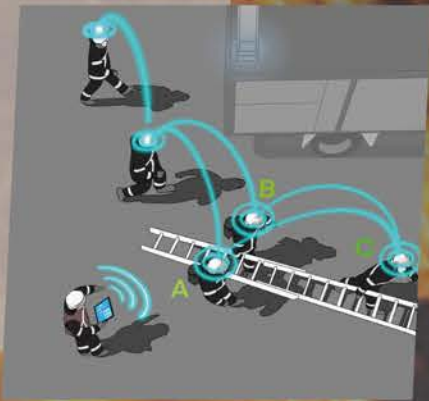
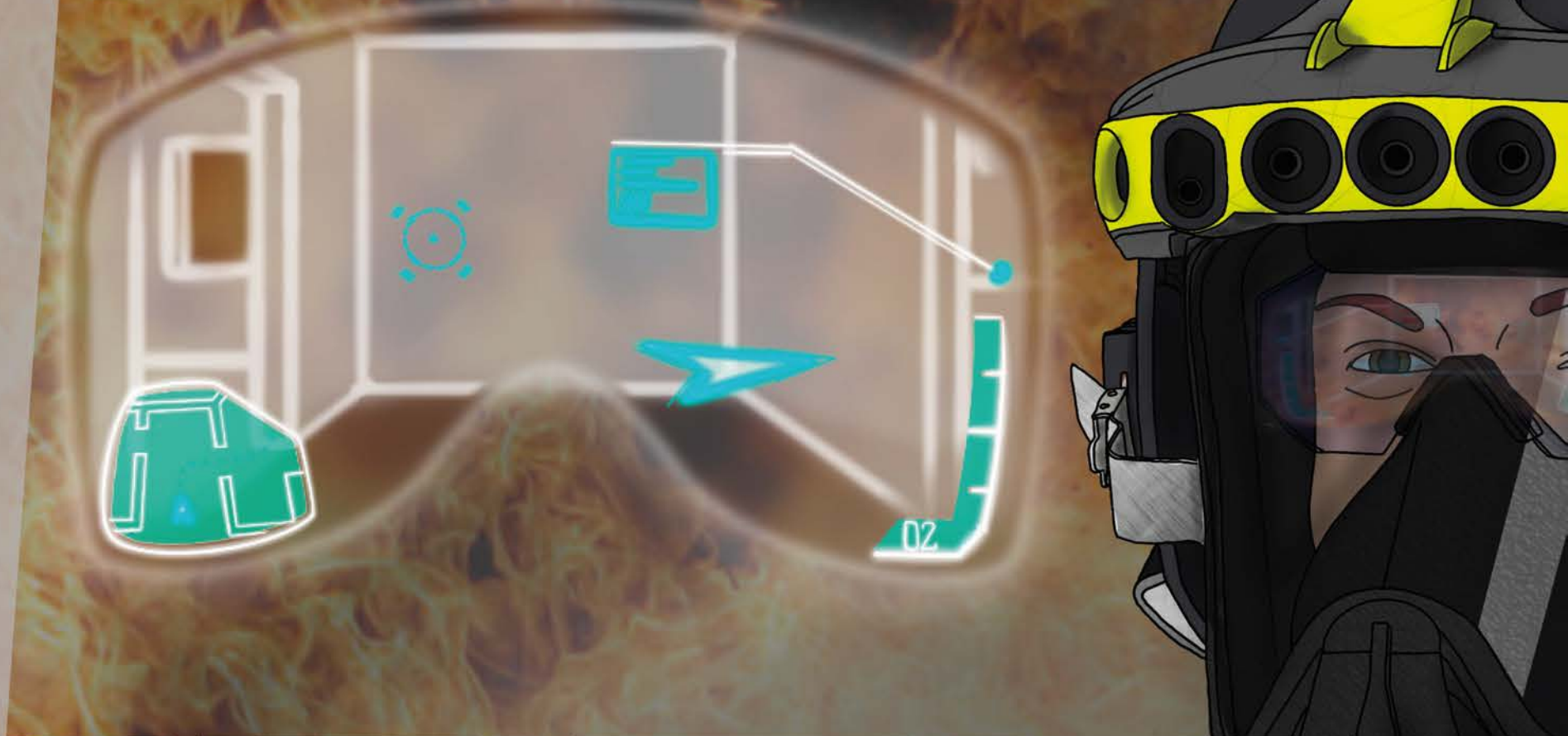
IM BRENNENDEN GEBÄUDE...

...IST DIE SICHT STARK EINGESCHRÄNKT,
...DIE KOMMUNIKATION SCHWER
...UND DIE ORIENTIERUNG KAUM MÖGLICH!

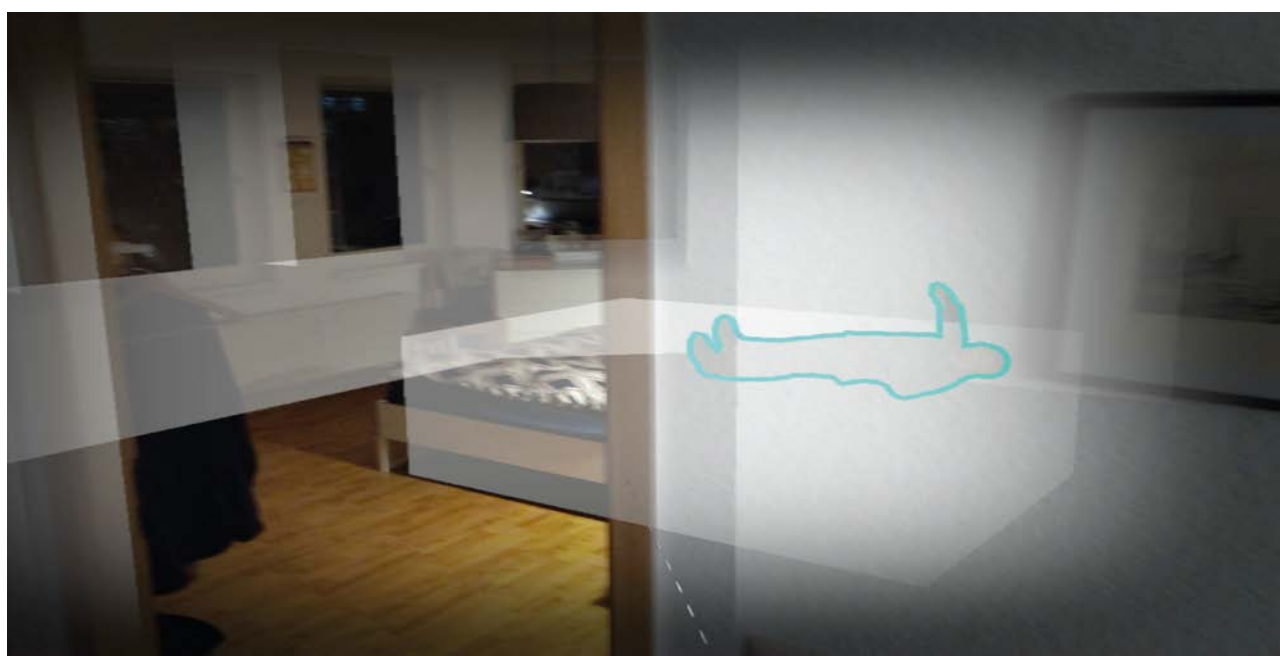
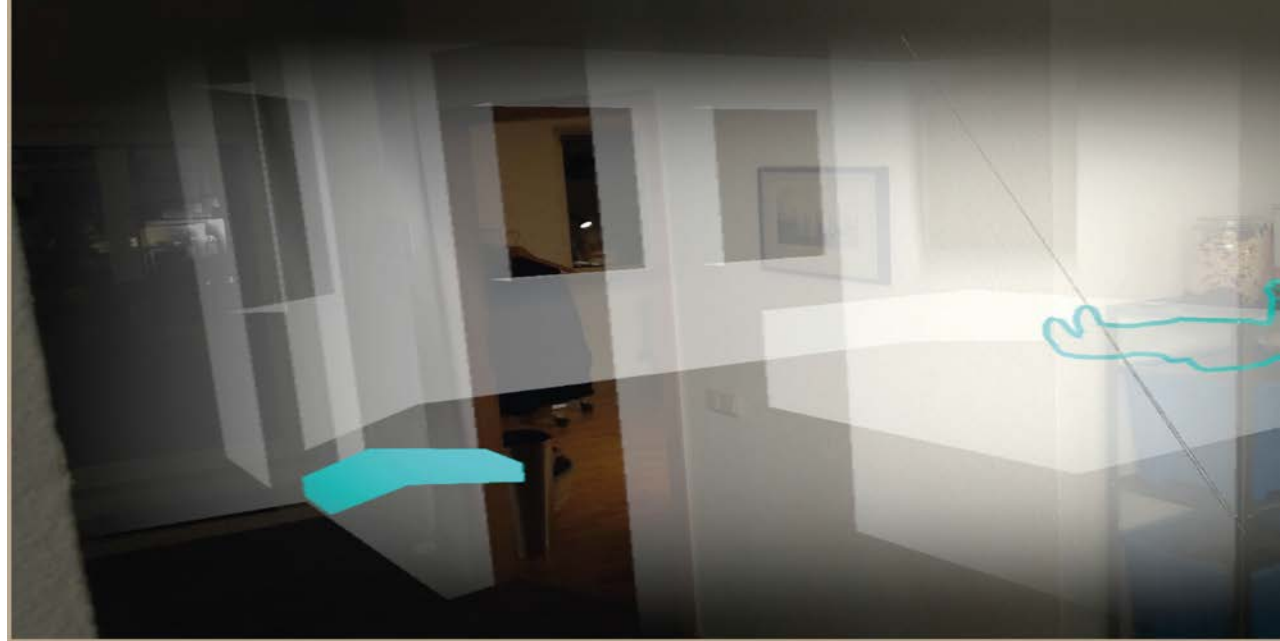
DURCH DIE ERWEITERTE REALITÄT SOLLTEN BRANDMEISTER*INNEN WÄHREND DES EINSATZES VISUELL MIT ERGÄNZENDEN SINNESWAHRNEHMUNGEN UND INFORMATIONEN UNTERSTÜTZT WERDEN UND IM STÄNDIGEN AUSTAUSCH MIT DER EINSATZLEITUNG STEHEN. DIE EINSATZLEITUNG BEKOMMT AUF EINER MIXED REALITY BRILLE RELEVANTE INFORMATIONEN ANGEZEIGT UND KANN DEN EINSATZ BESTMÖGLICH LEITEN.

BENEFITS:

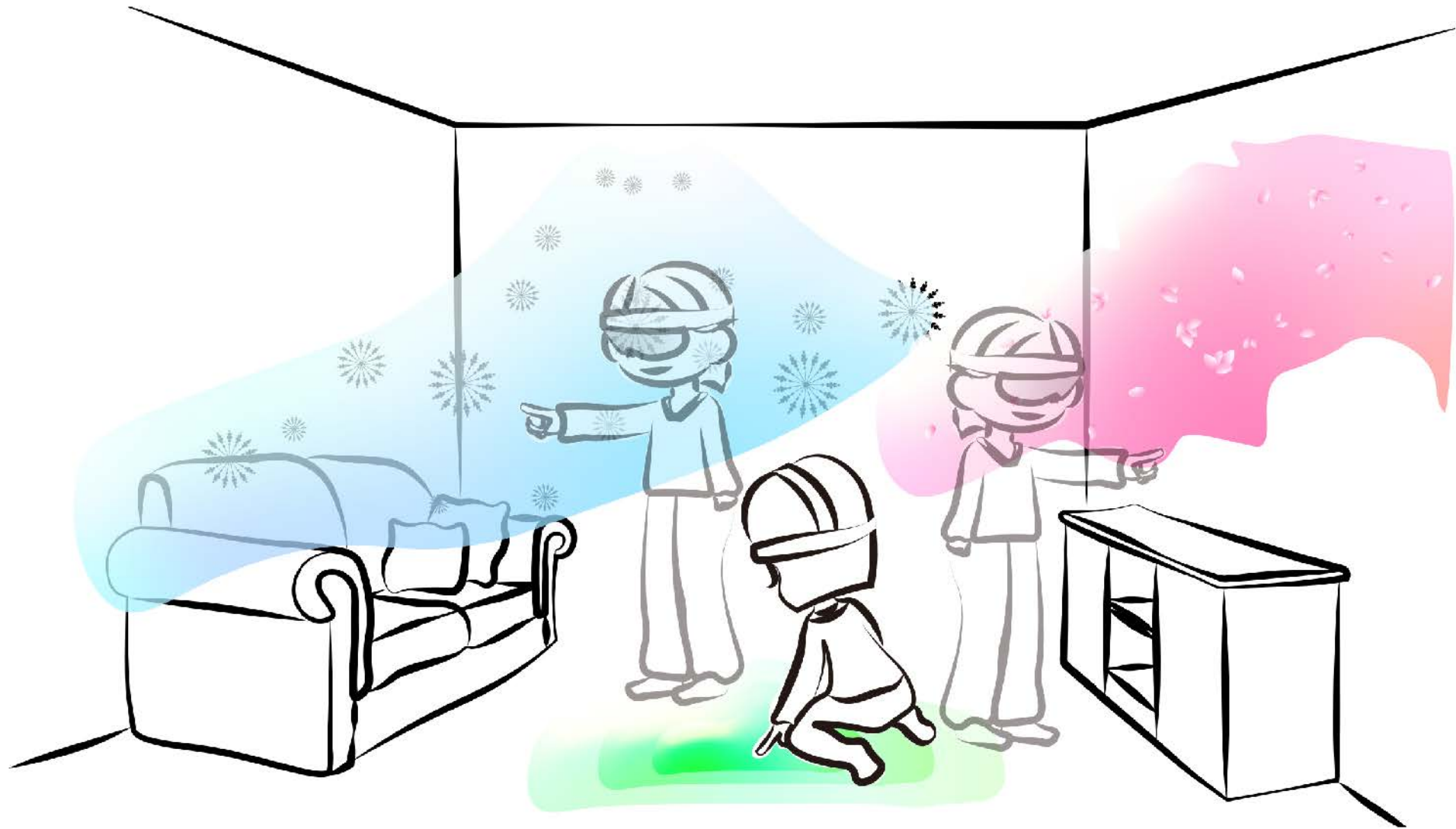
- VERBESSERTE KOMMUNIKATION ZWISCHEN DEN EINZELNEN EINHEITEN
- VERBESSERTE UND SCHNELLERE EINSATZPLANUNG
- LEICHTERE ORIENTIERUNG IM GEBÄUDE AUCH UNTER EXTREMBEDINGUNGEN
- SCHNELLERE DURCHFÜHRUNG DURCH PERSONEN- UND STANDORTBEZOGENE AUFGABENVERTEILUNG

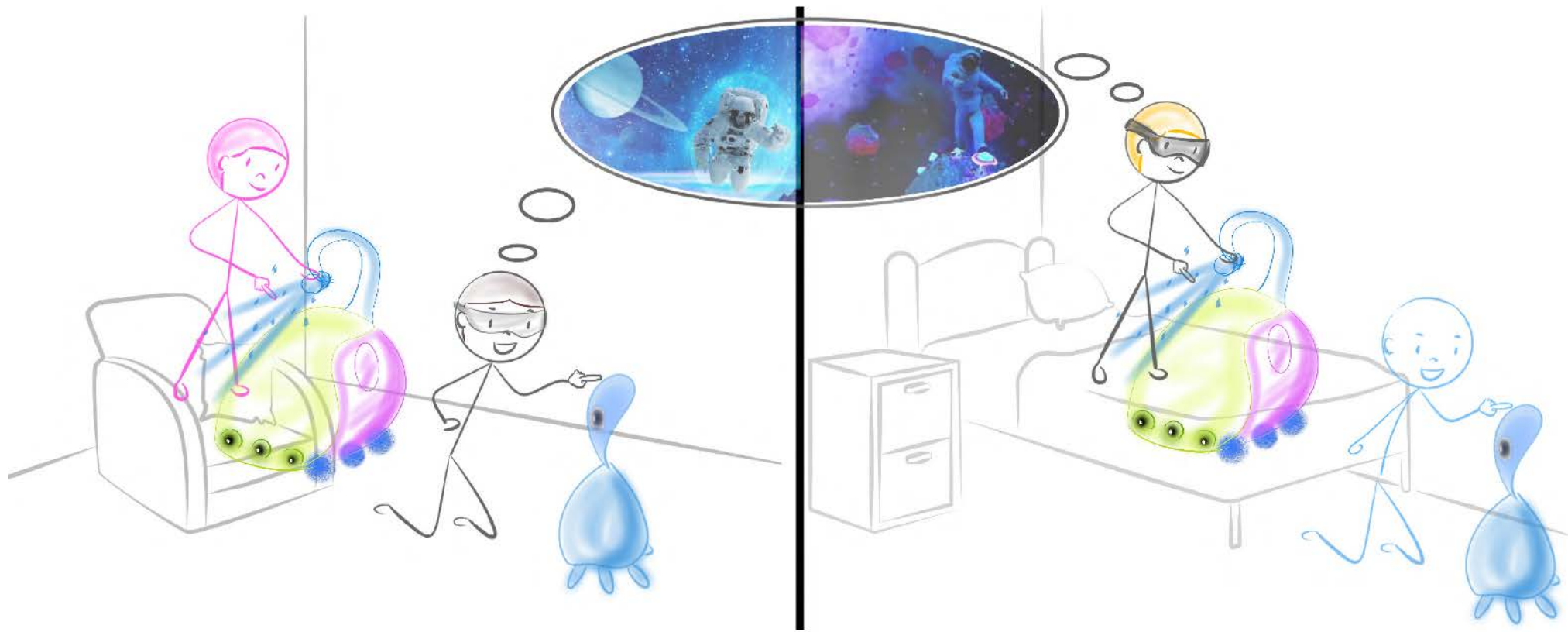


Carl
WiSe 2021

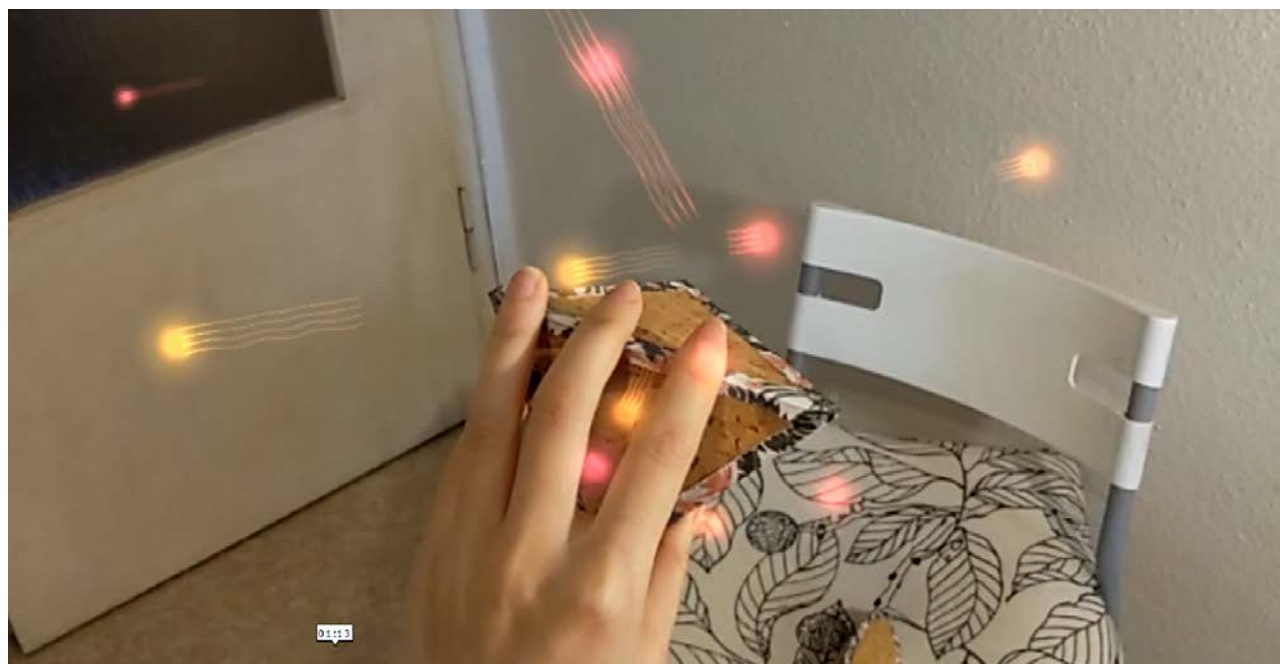




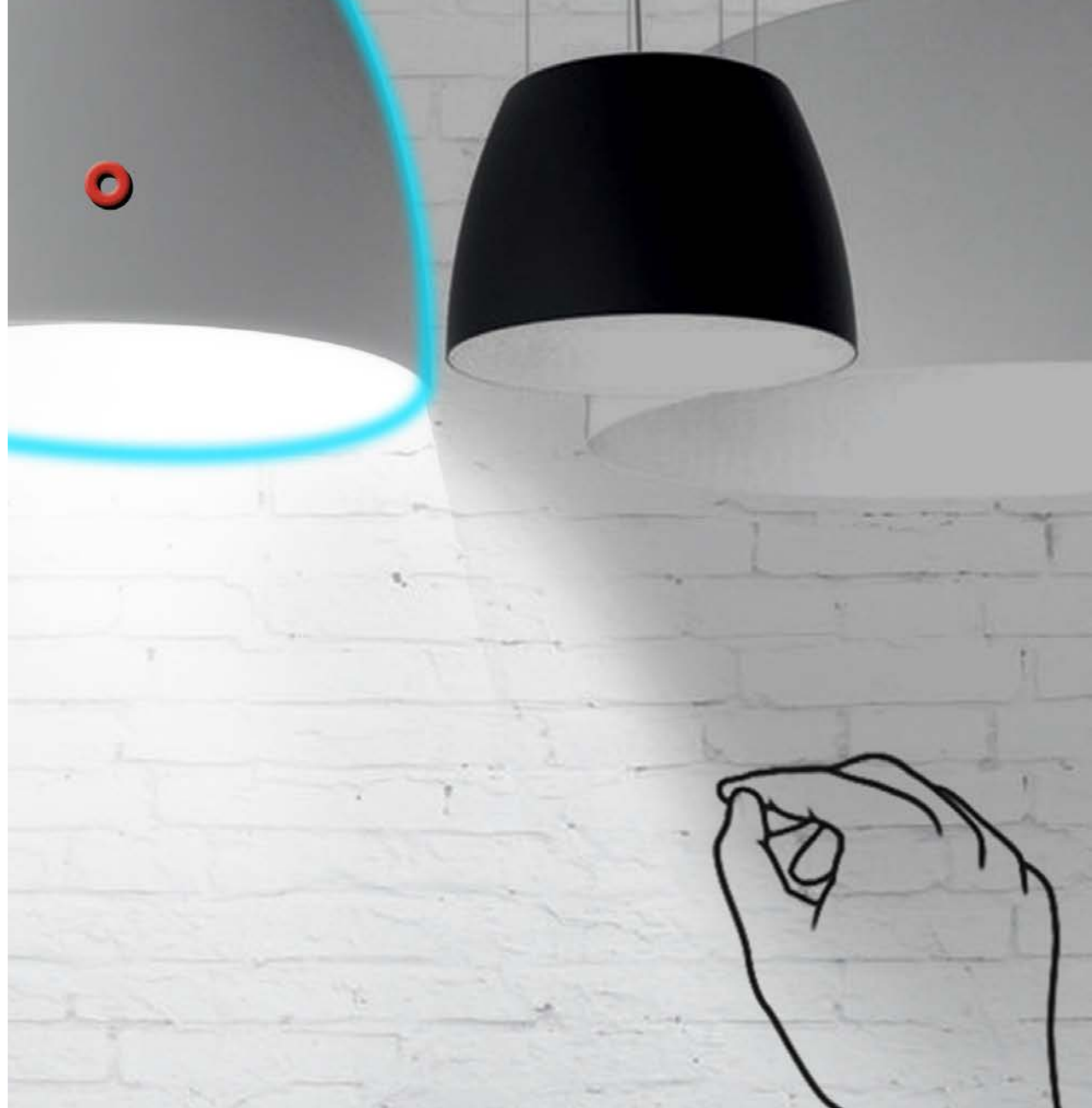
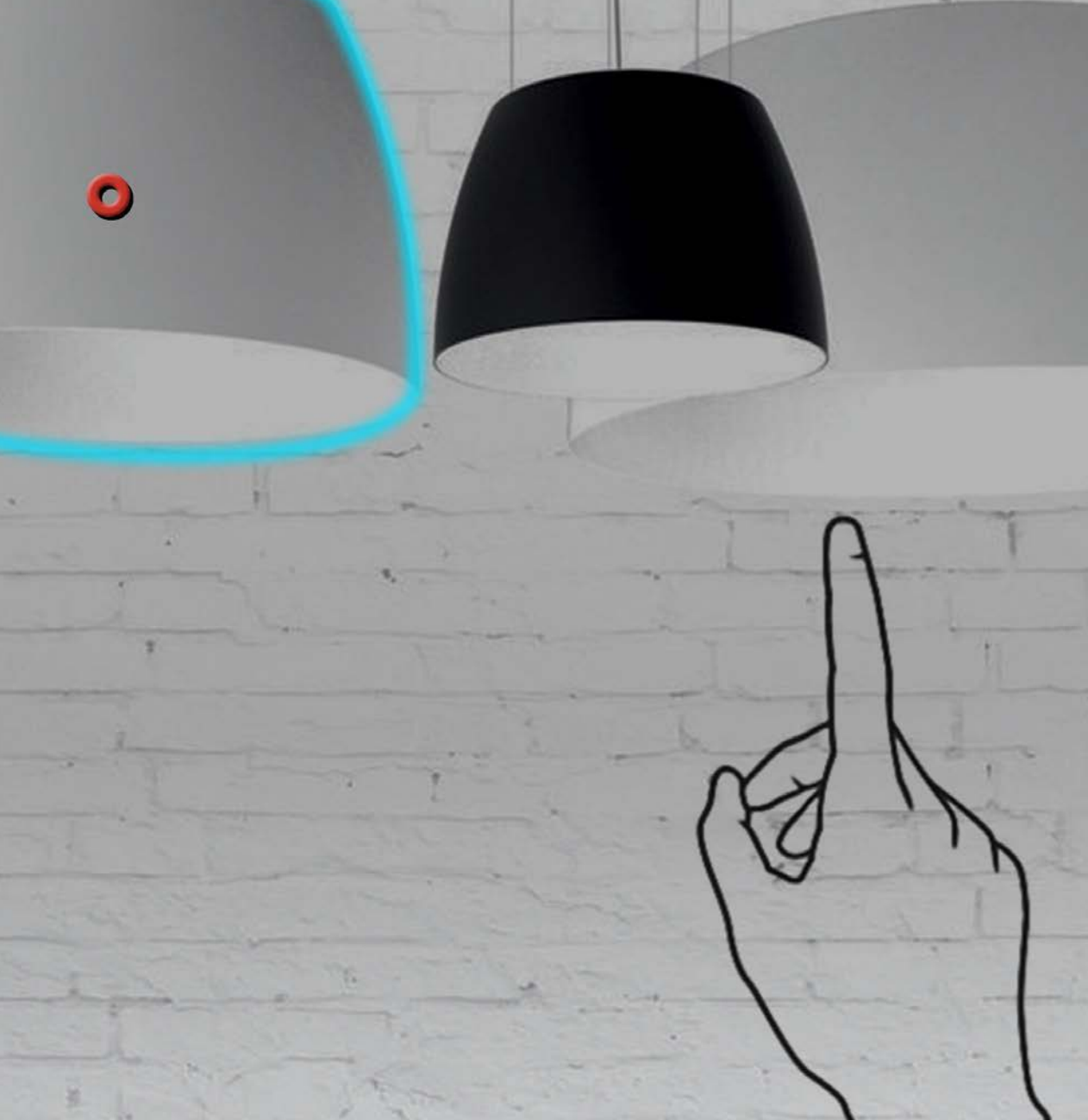


















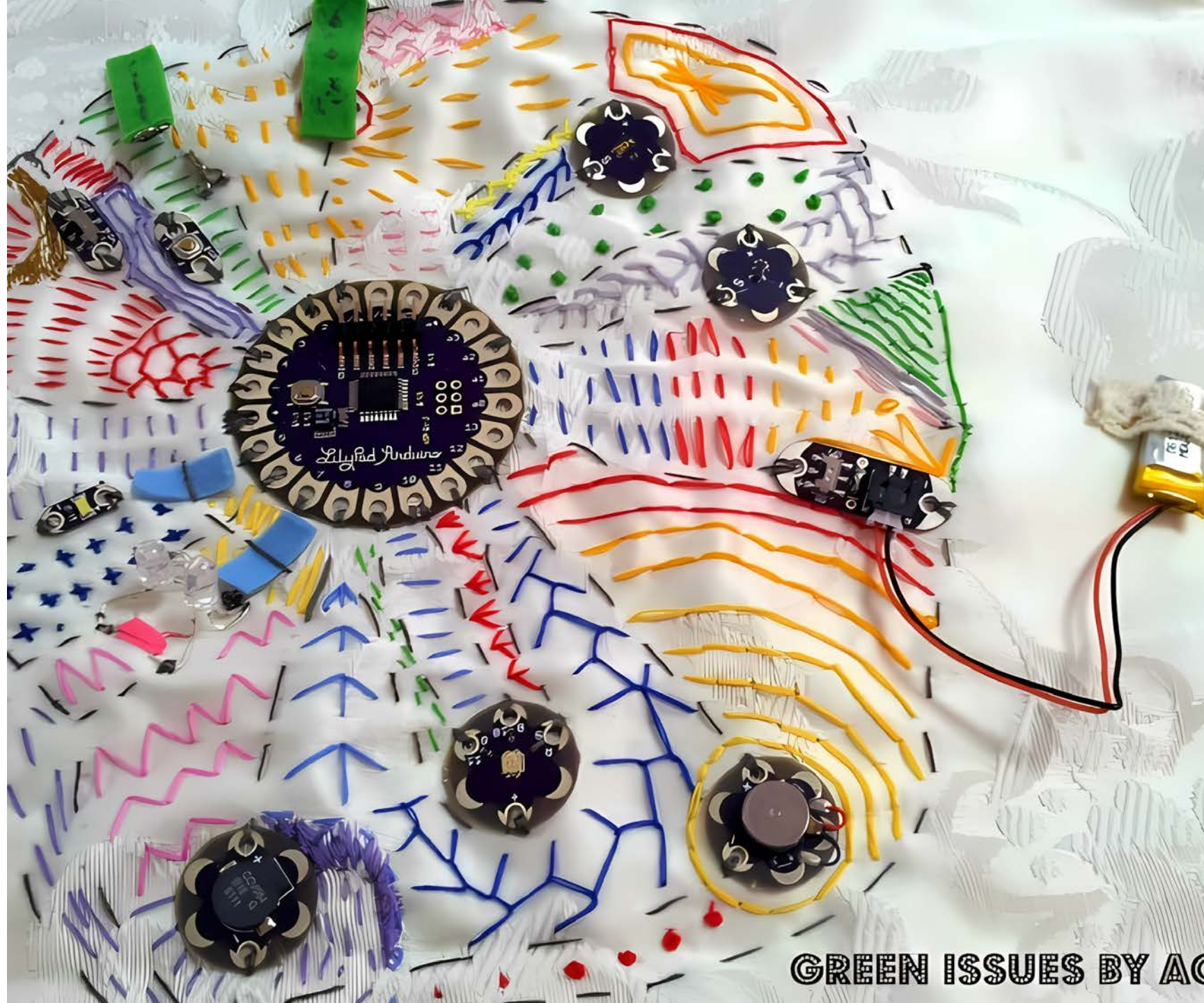
The Autonomous Machine

beanotherlab.org · beanotherlab.org

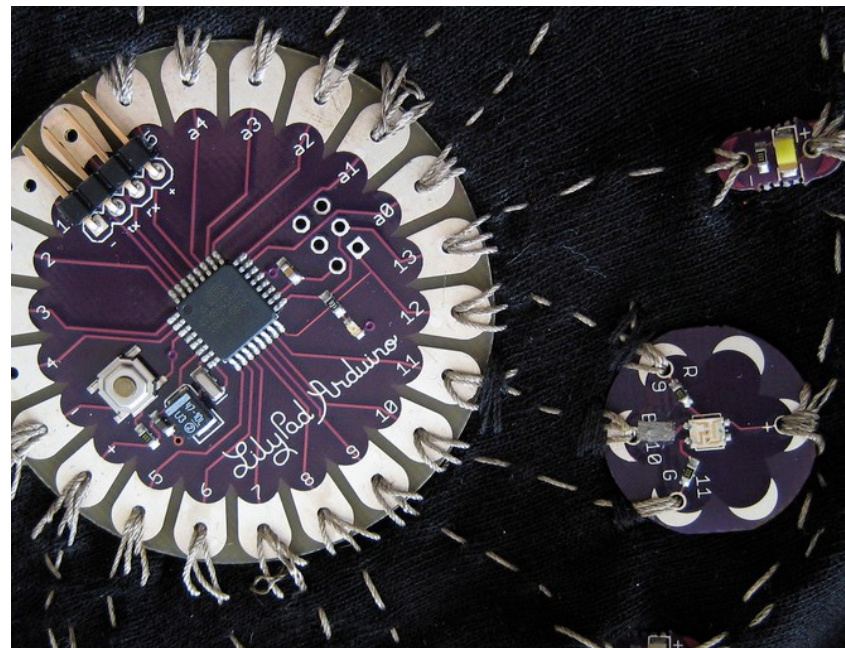


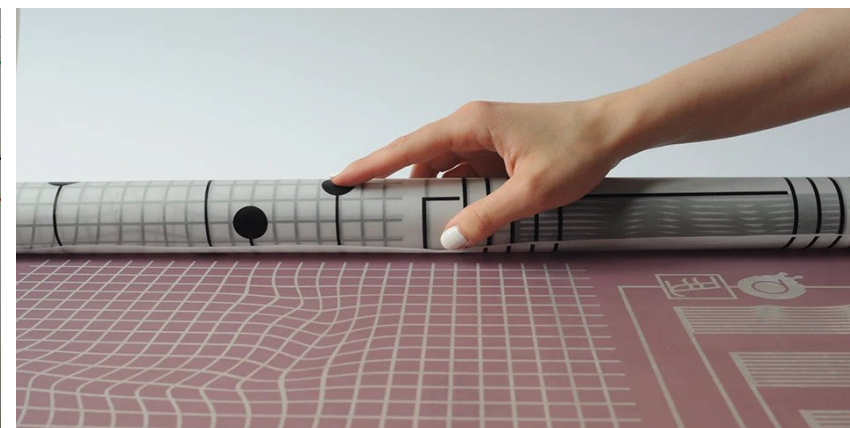
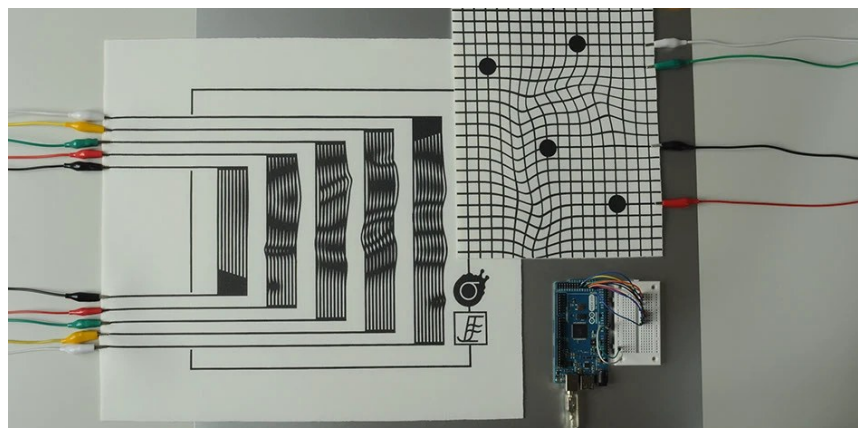
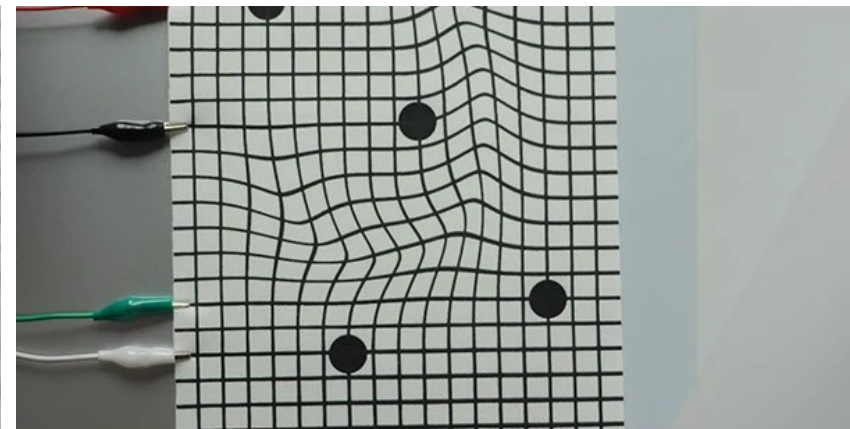
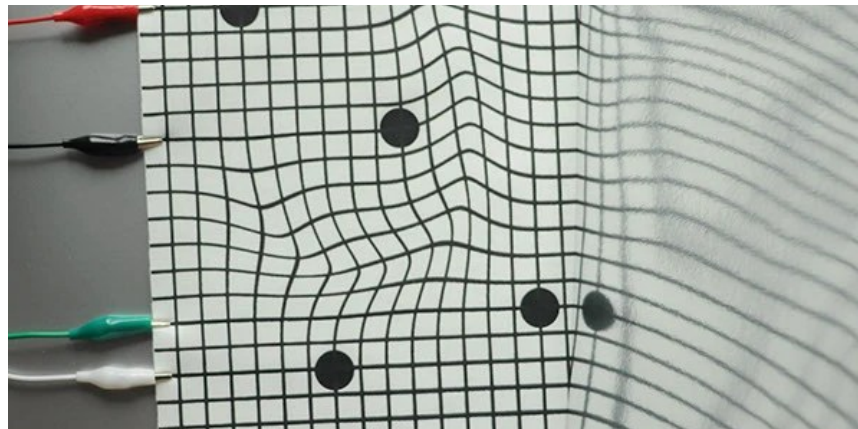
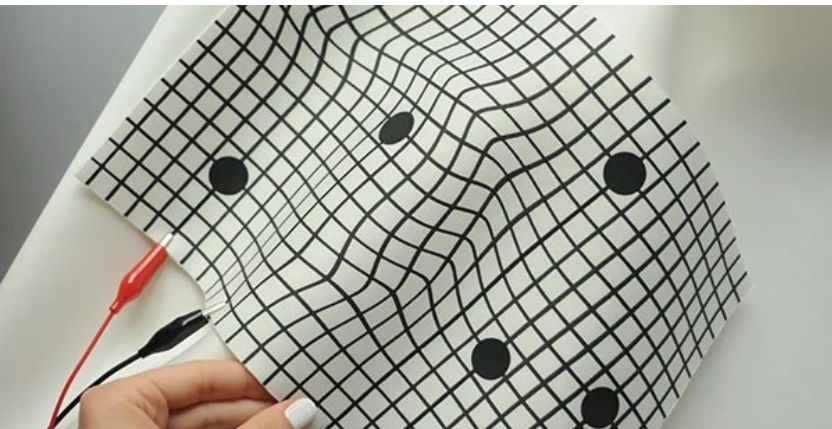
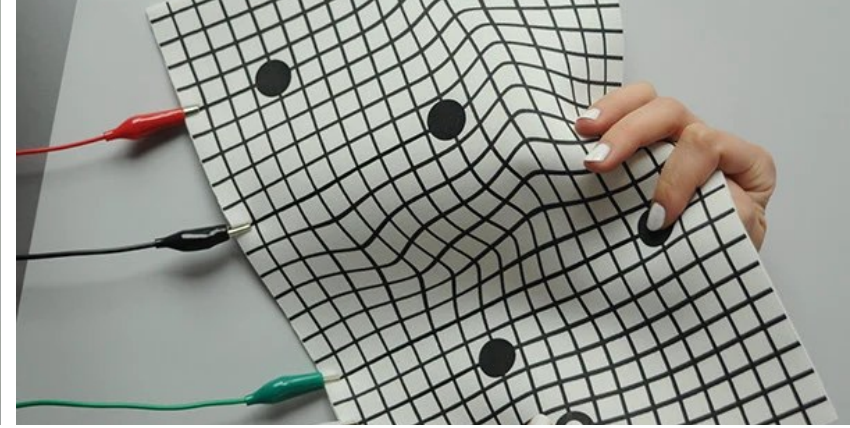
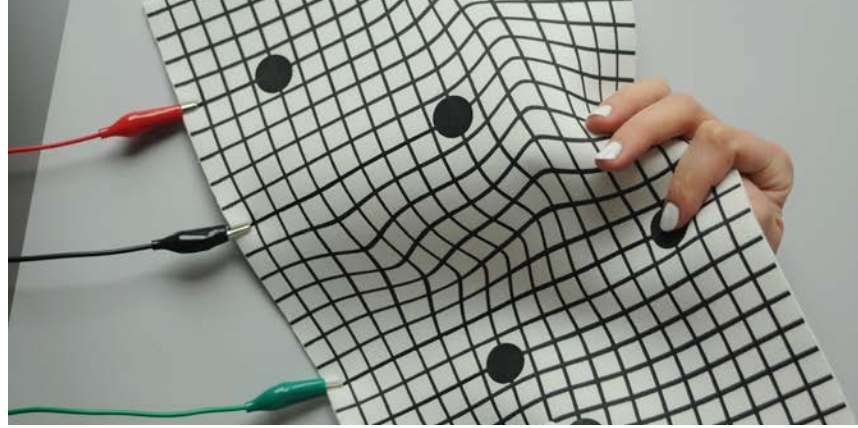
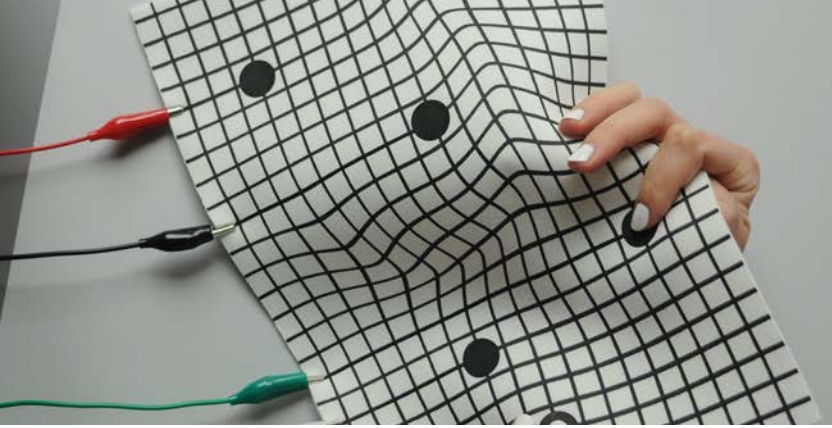


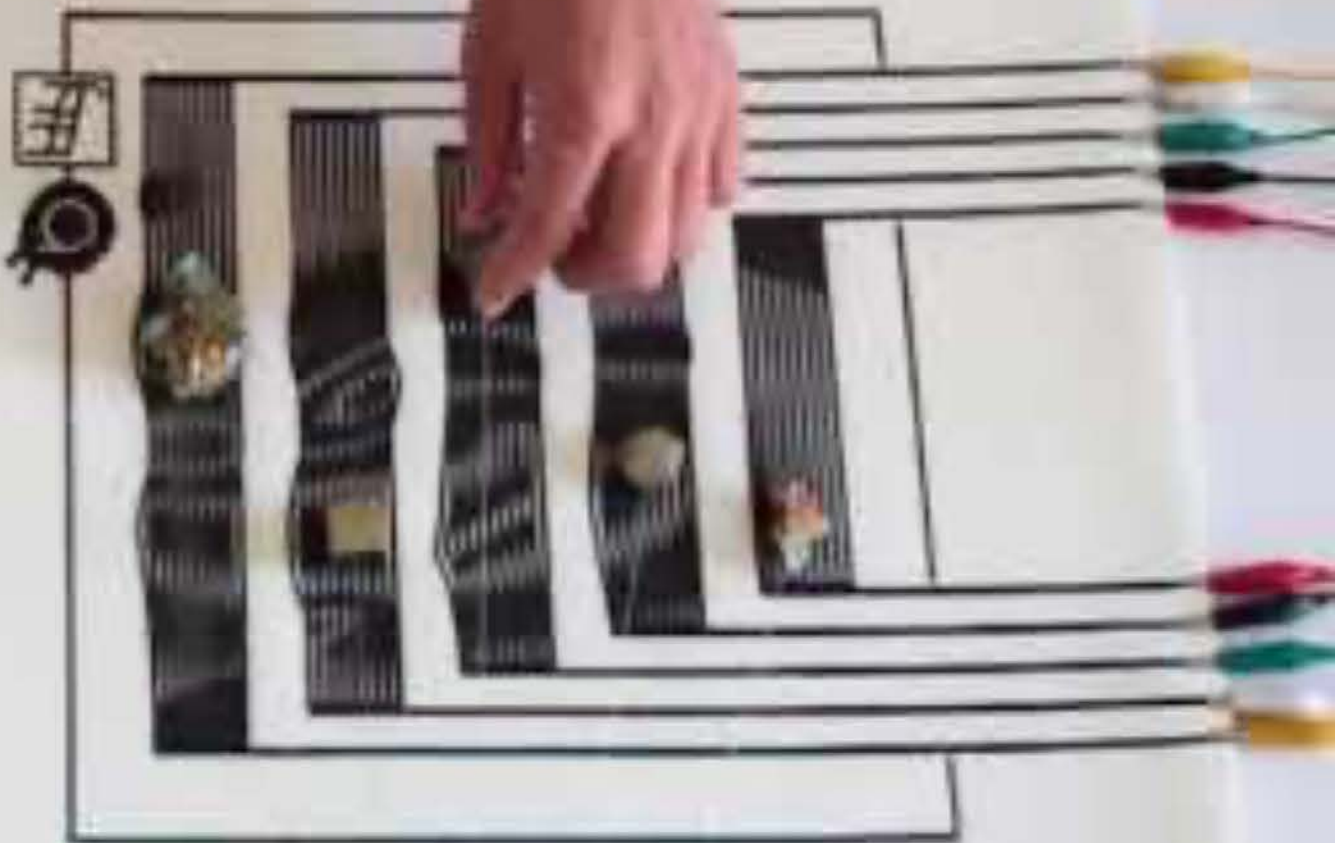
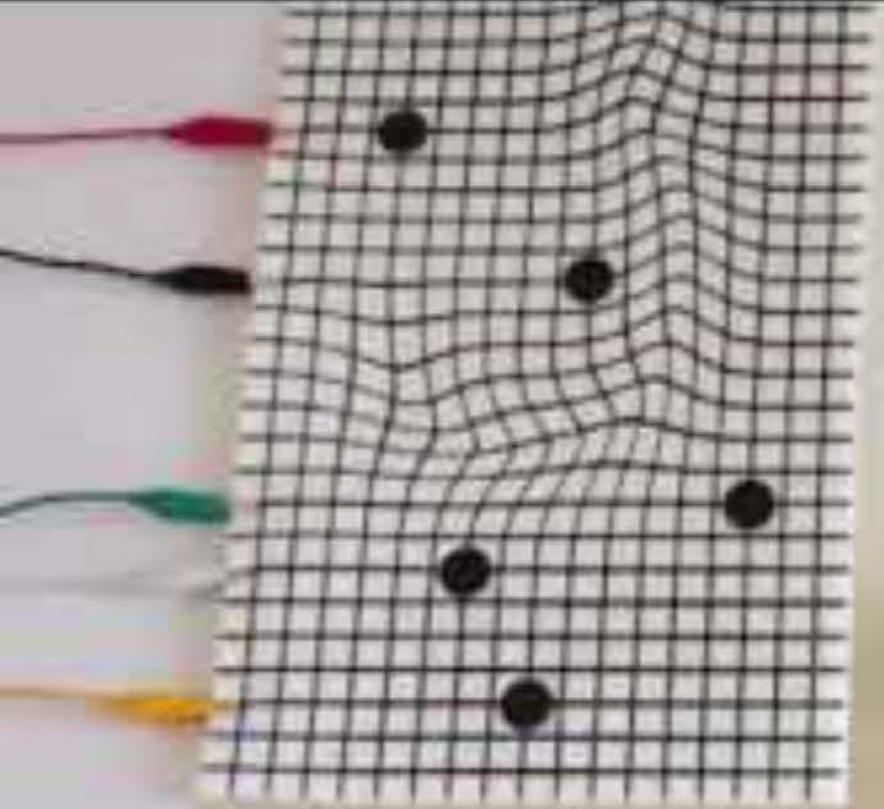
Physical Computing





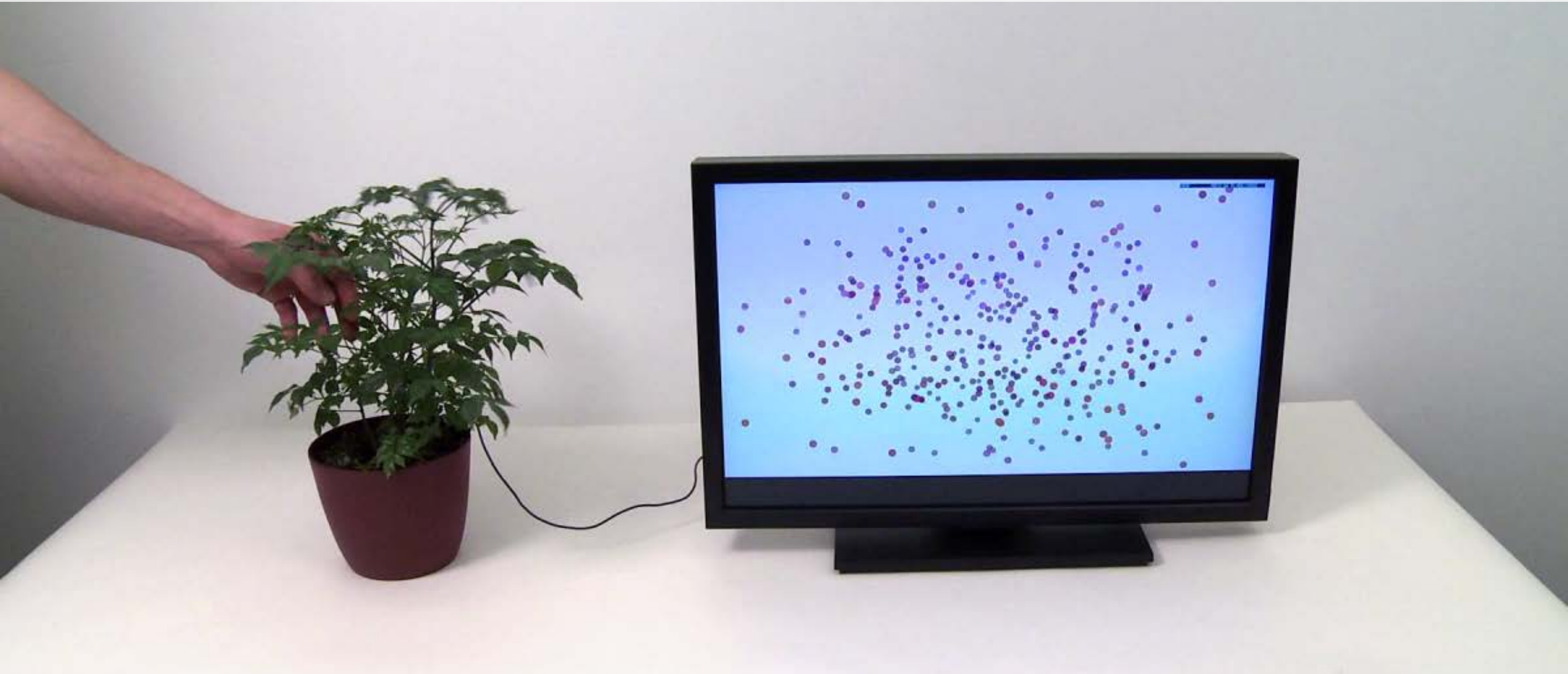


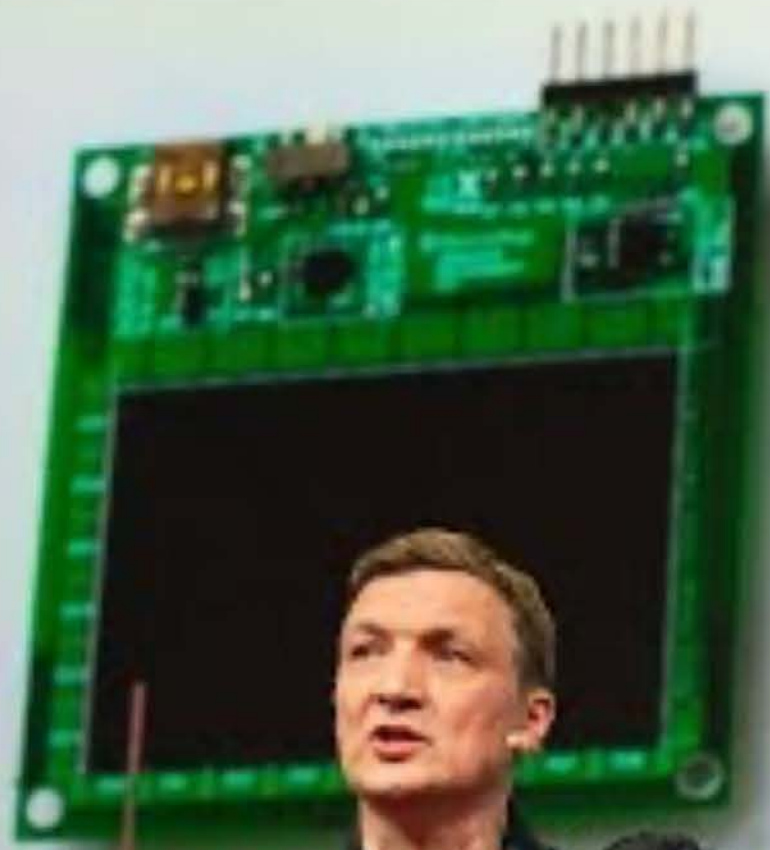




Ivan Poupyrev » Botanicus Interacticus

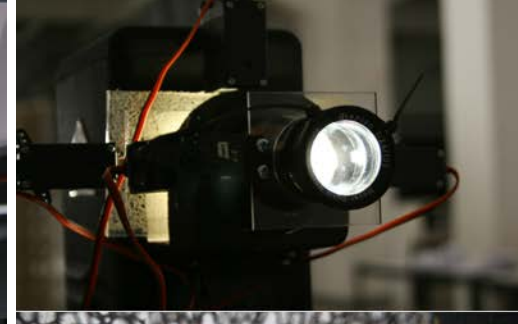
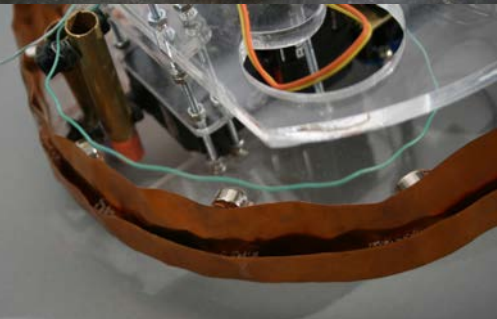
www.ivanpoupyrev.com · www.ivanpoupyrev.com



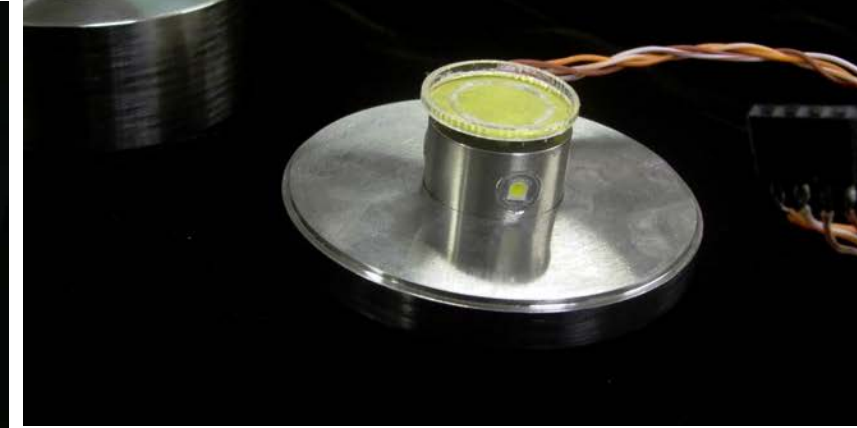


to engineer



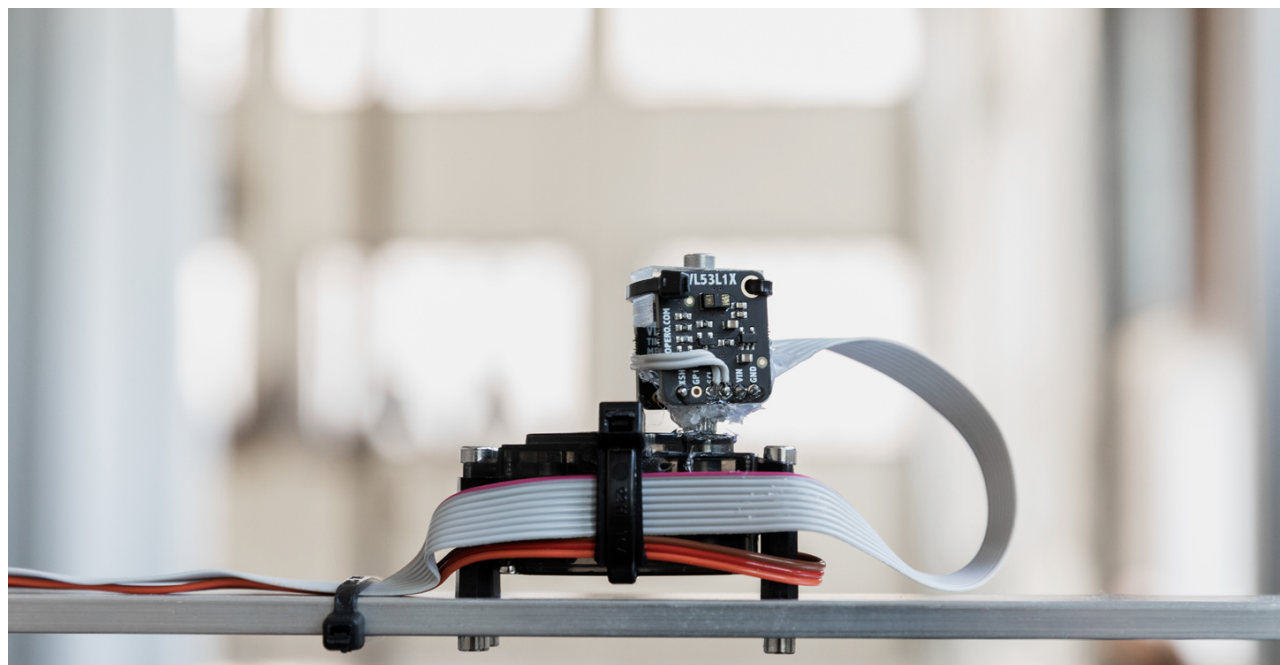






Rauminstallation: Hannes Languth, TU-Braunschweig (IMD)







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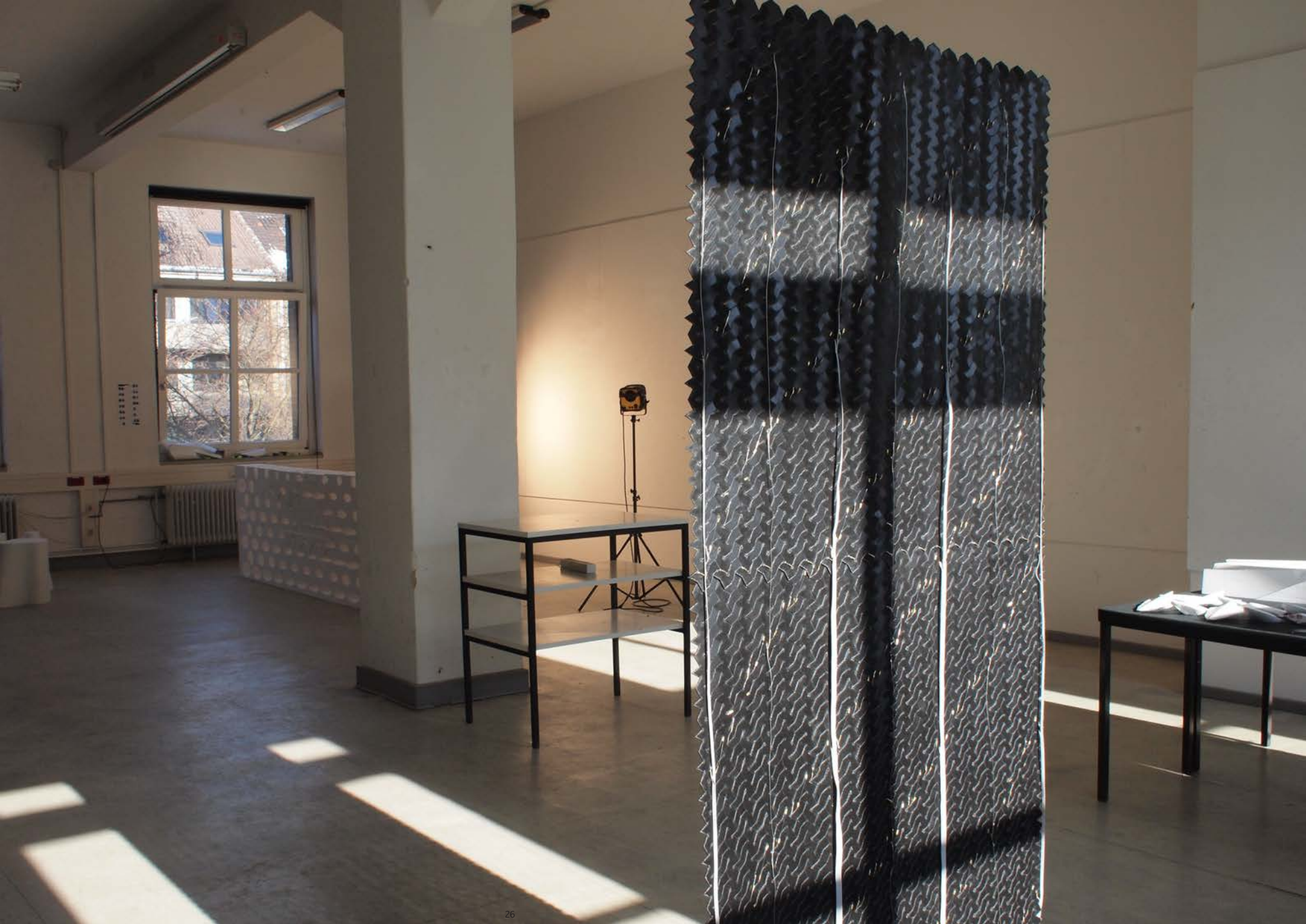
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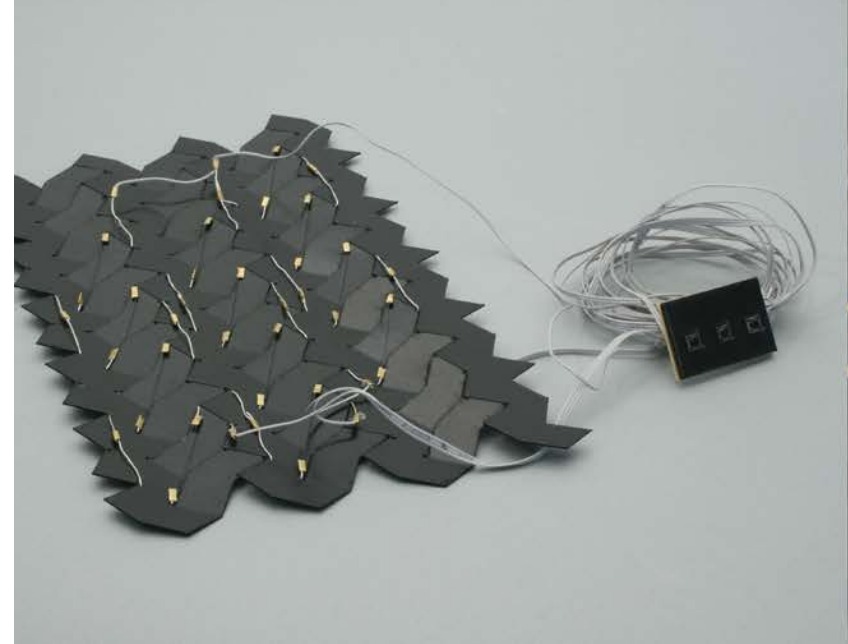
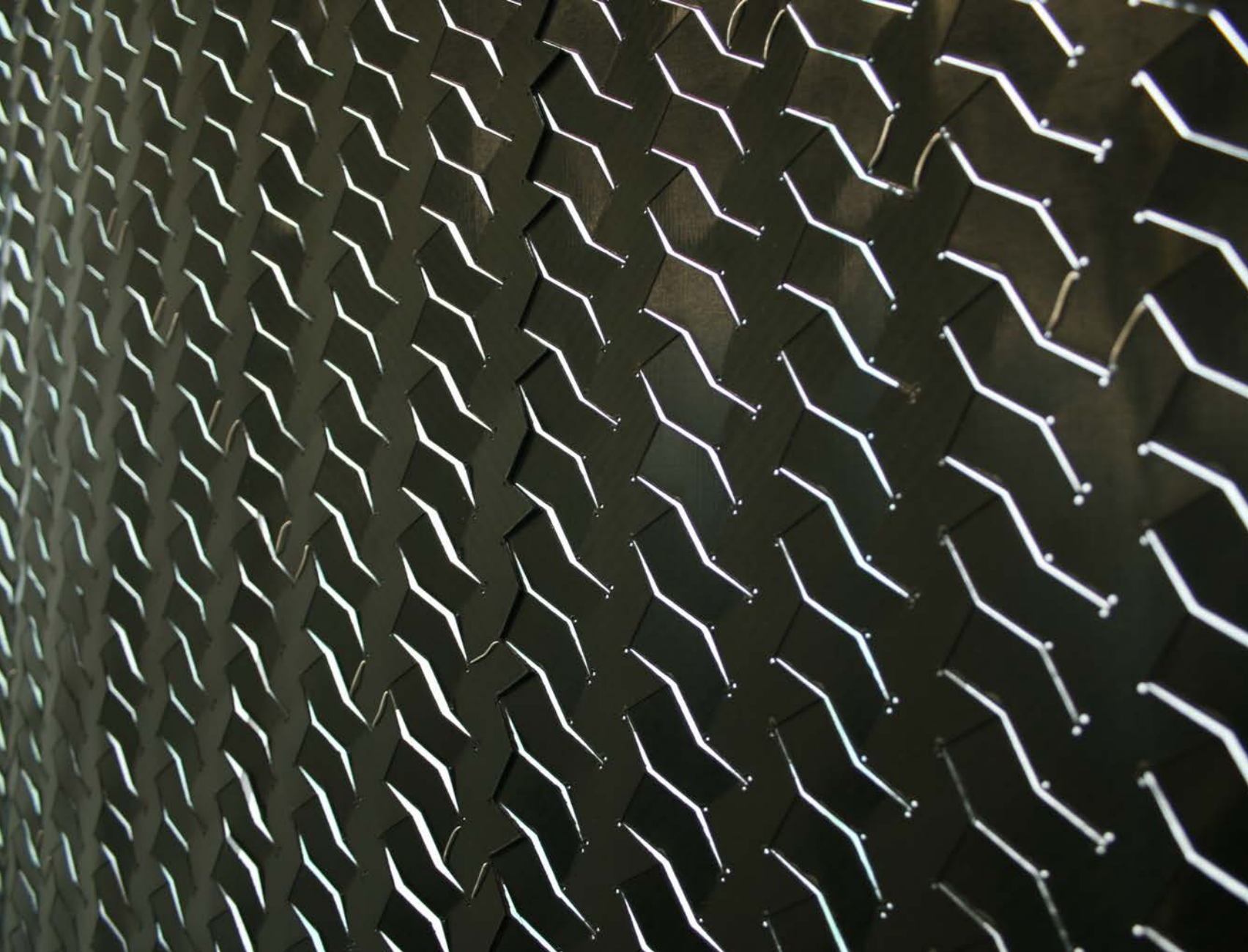


BEACH_WEB_CAM_REC



BEACH_WEB_CAM_REC





Philip Beesley Studio Inc

www.philipbeesleystudioinc.com



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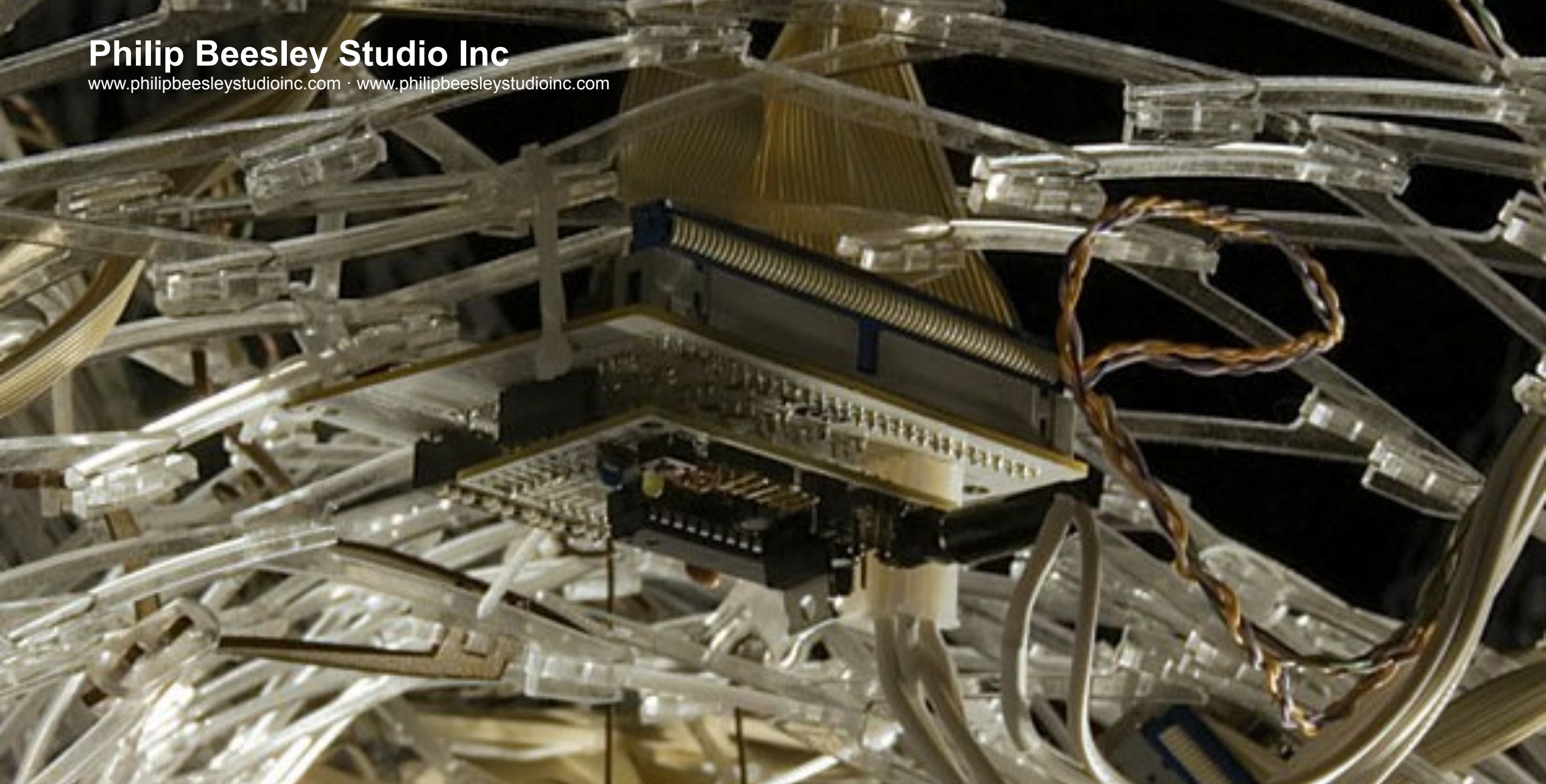
[▶ Vimeo](#)

Sargasso Cloud
PLUTO FESTIVAL, OPWIJK, BELGIUM - 2009

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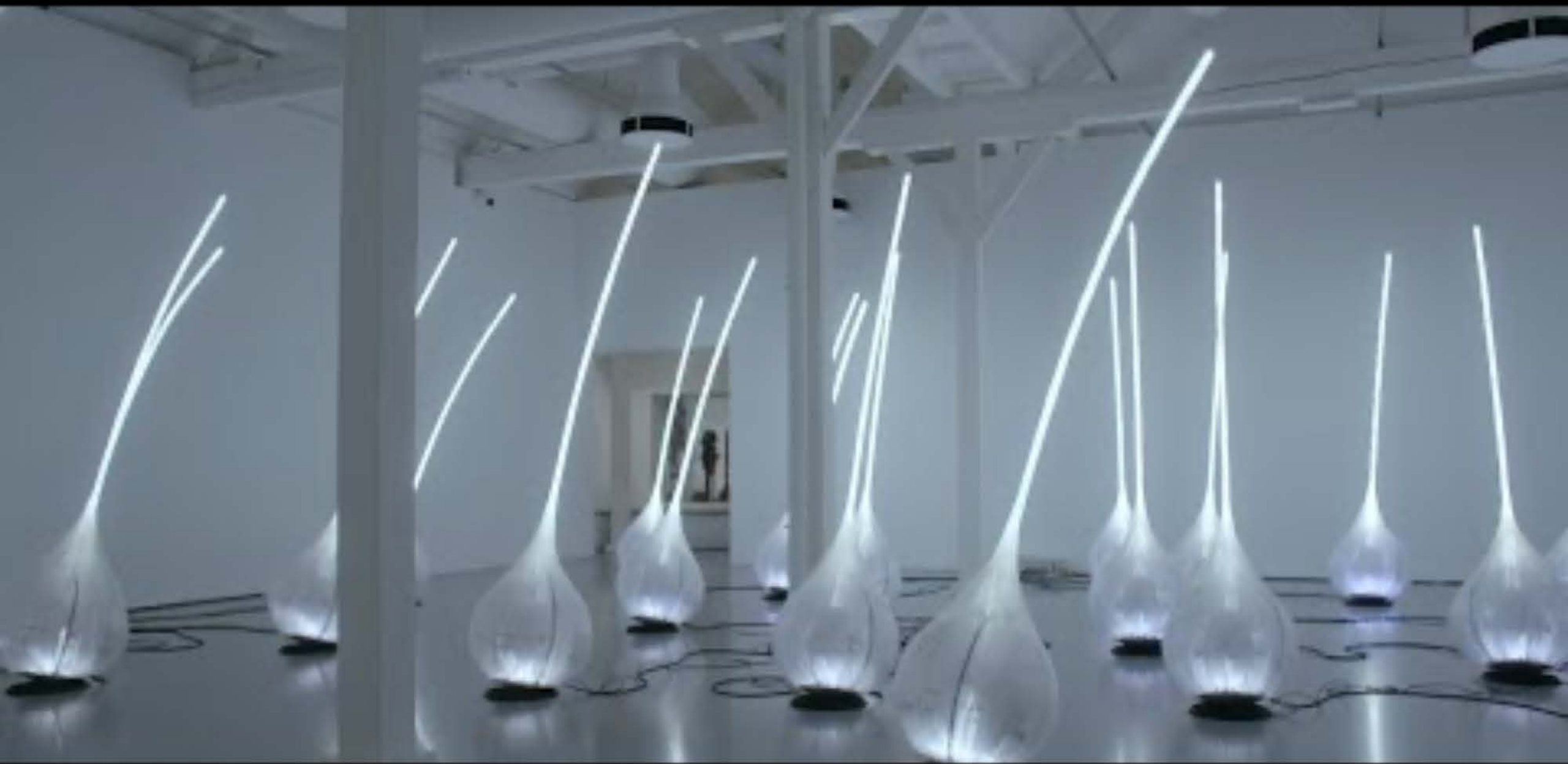
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Jeppe Hein, James Ewing · Please Touch the Art

Divisare · divisare.com



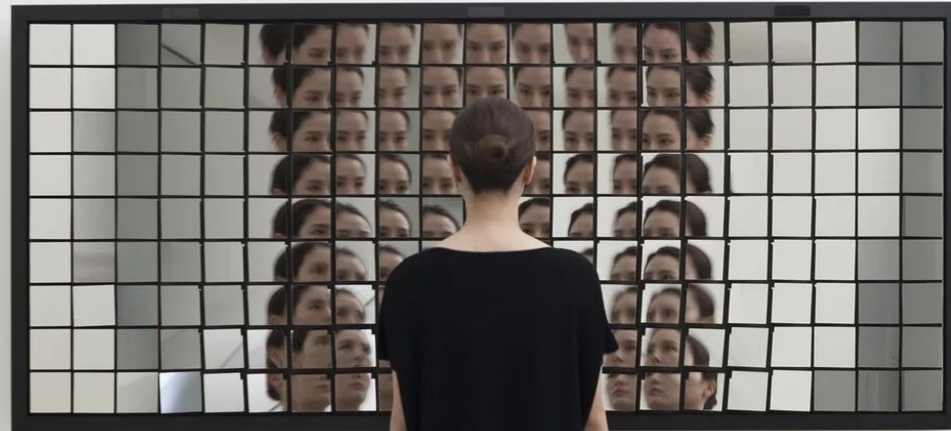
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Alone Together, 2024

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MURMURING MINDS - Studio Drift





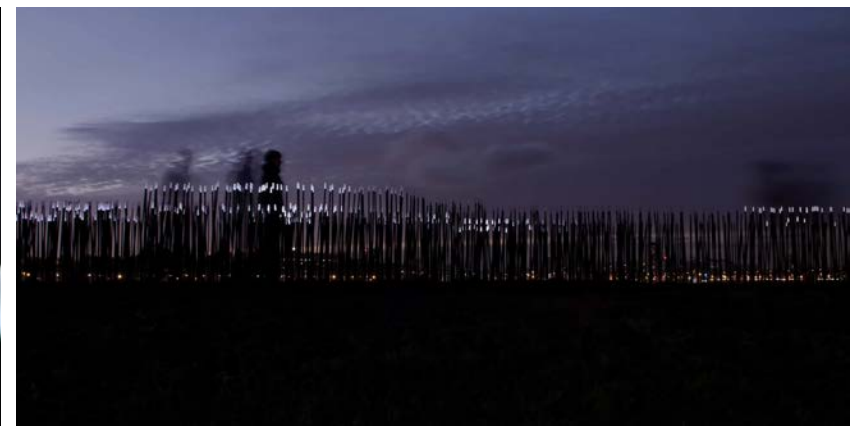
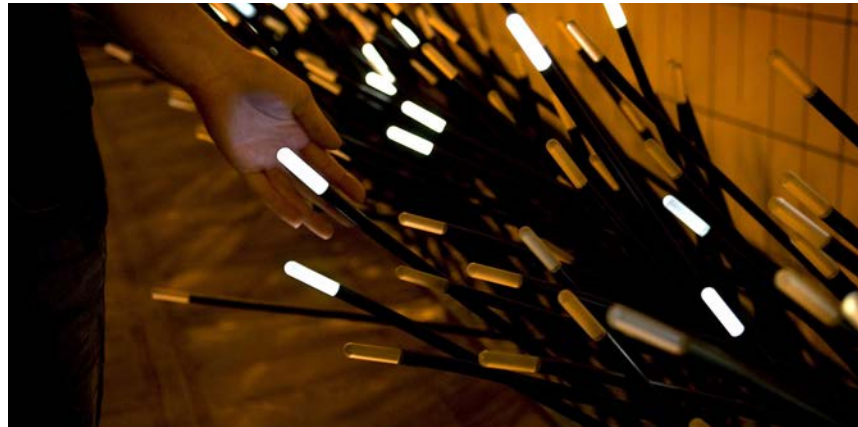
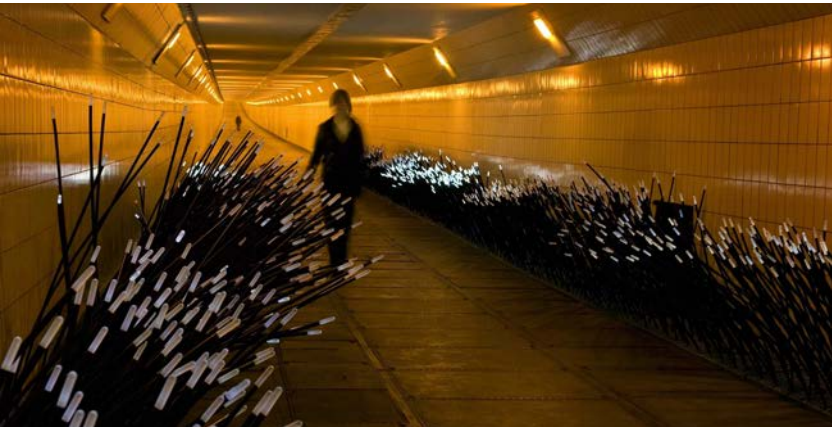
DUNE

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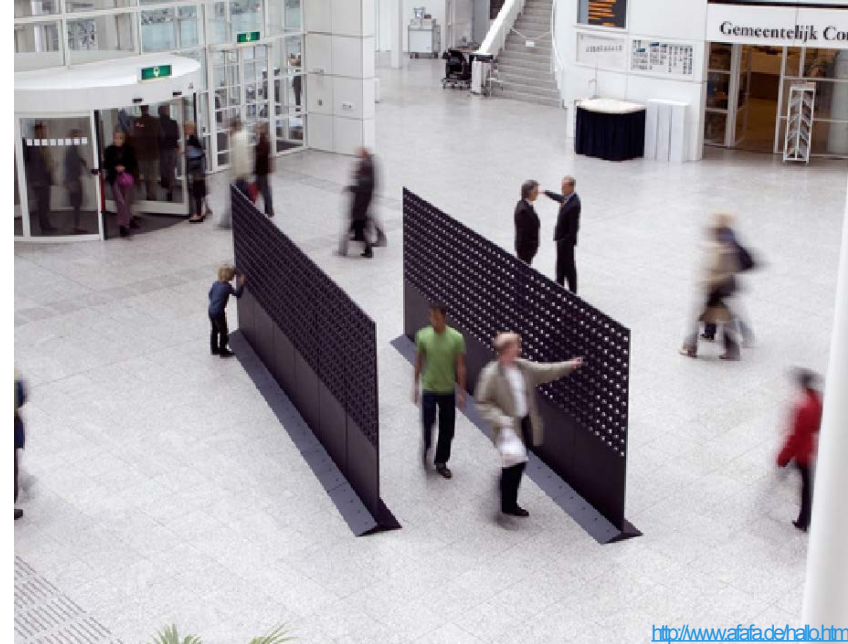
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<http://www.afafadehalohm>

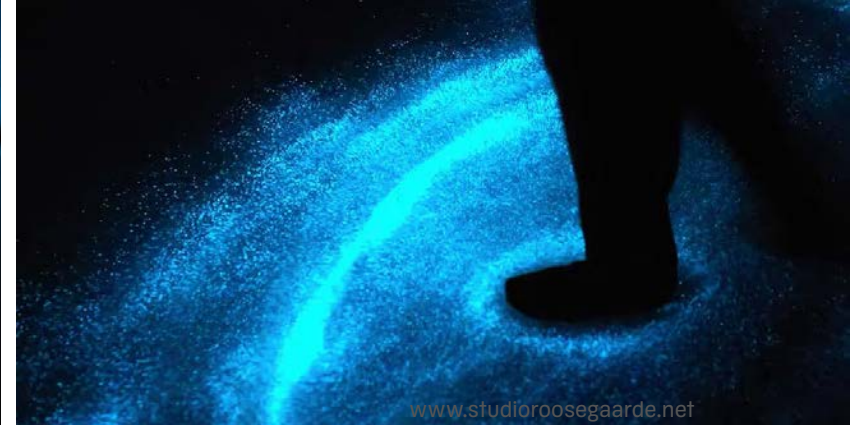
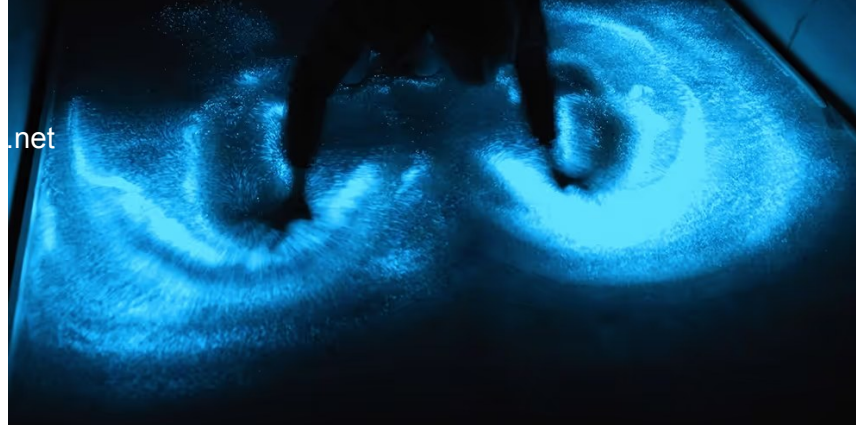


Roosegarden „Flow“ Lüfter Sensoren

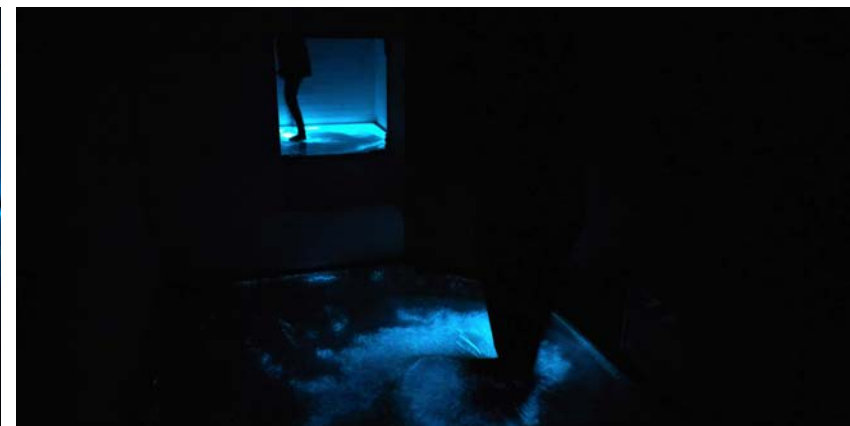
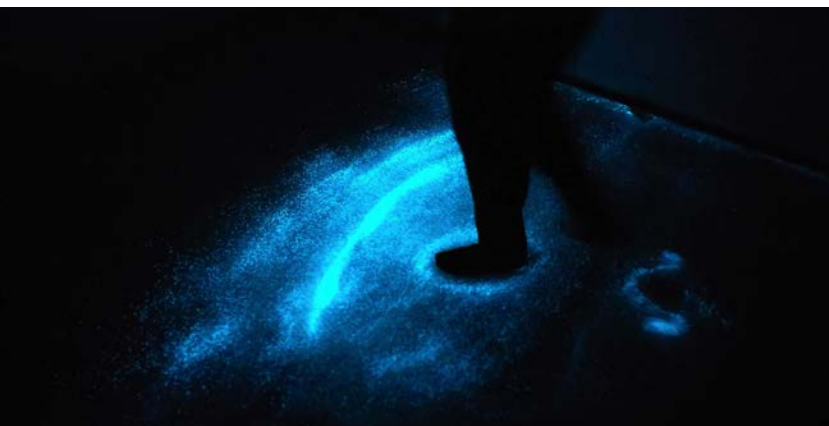
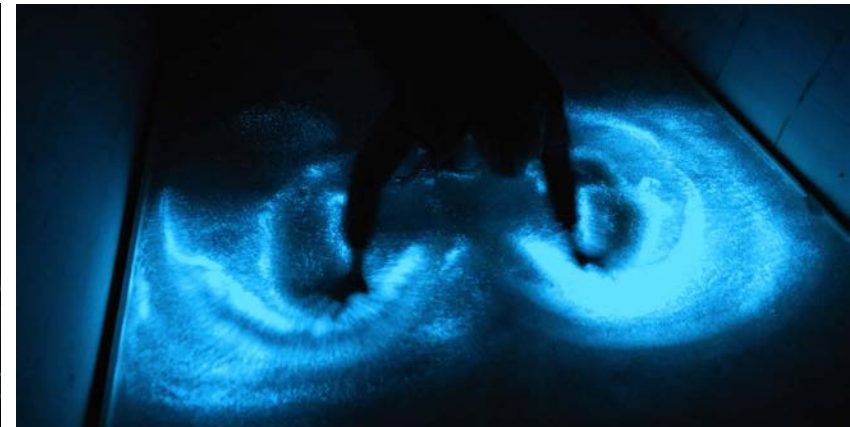
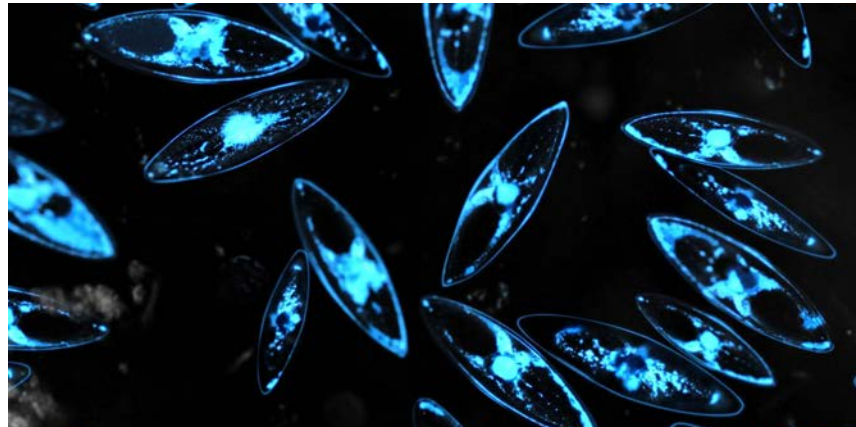
GLOWING NATURE

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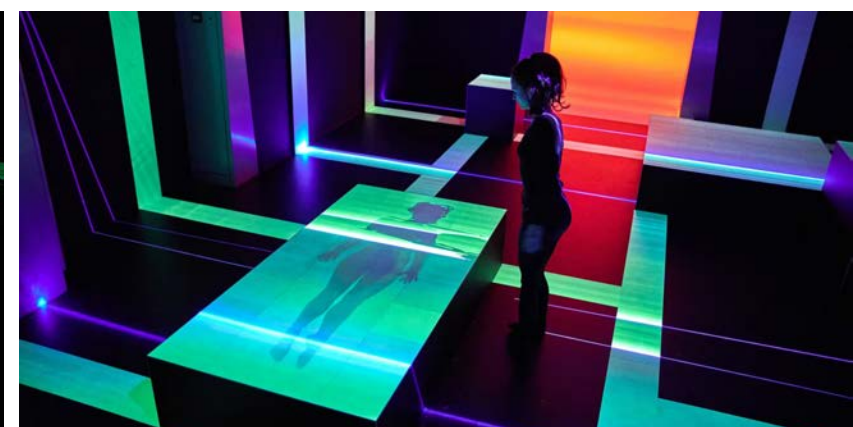
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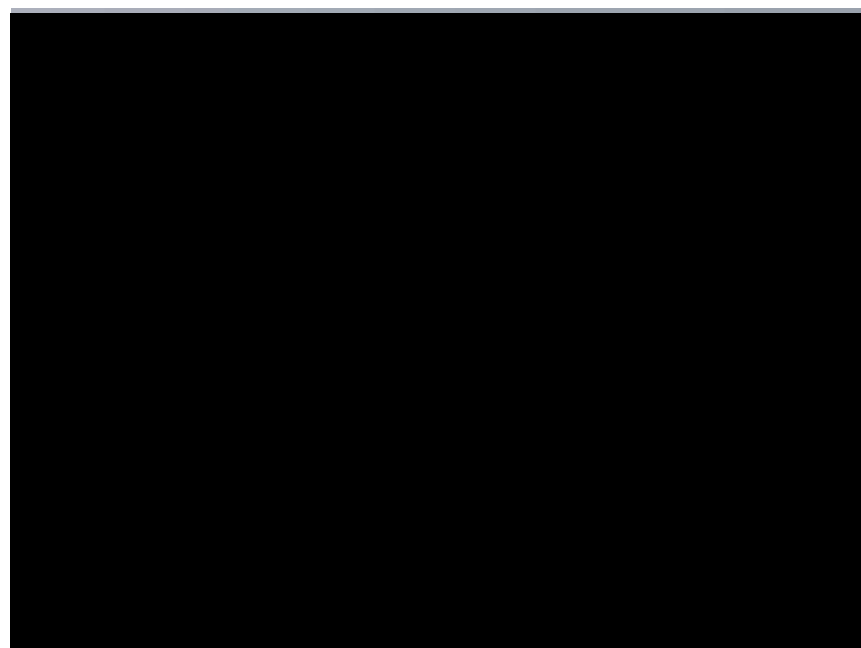
DAAN ROOSEGAARDE
PRESENCE



Jen Lewin Studio

www.jenlewinstudio.com · www.jenlewinstudio.com

[▶ Youtube](#)



www.jenlewinstudio.com

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Universität der Künste



Yuri Suzuki

[Video](#)



The Welcome Chorus

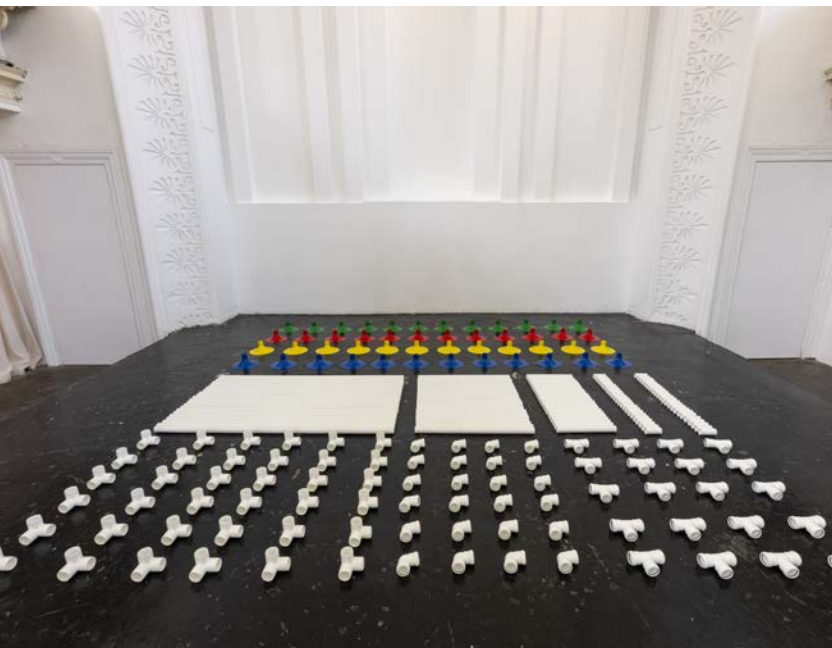
yurisuzuki.com · yurisuzuki.com

[▶ Youtube](#)



Yuri Suzuki

[▶ Vimeo](#)



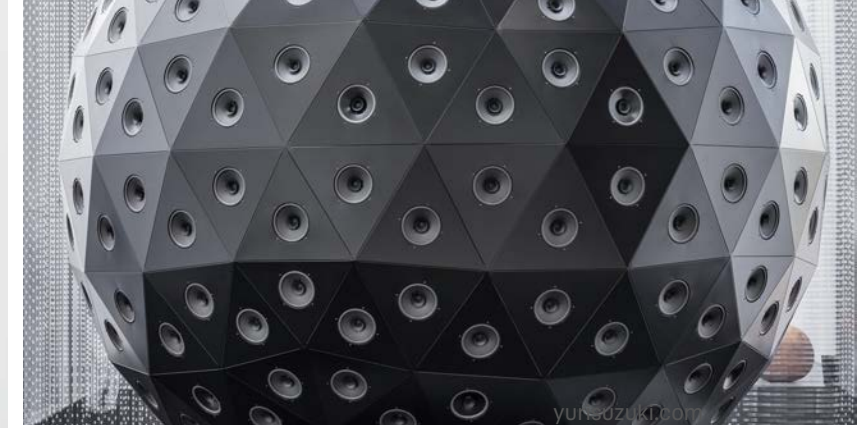
ART PLUGGED



Sound of the Earth Chapter: 3

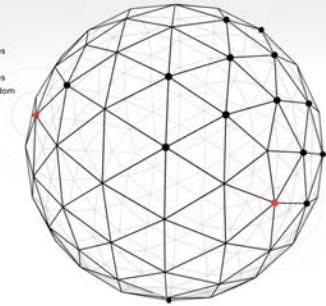
yurisuzuki.com | yurisuzuki.com

[▶ Vimeo](#)



SOUND OF THE EARTH: CHAPTER 3

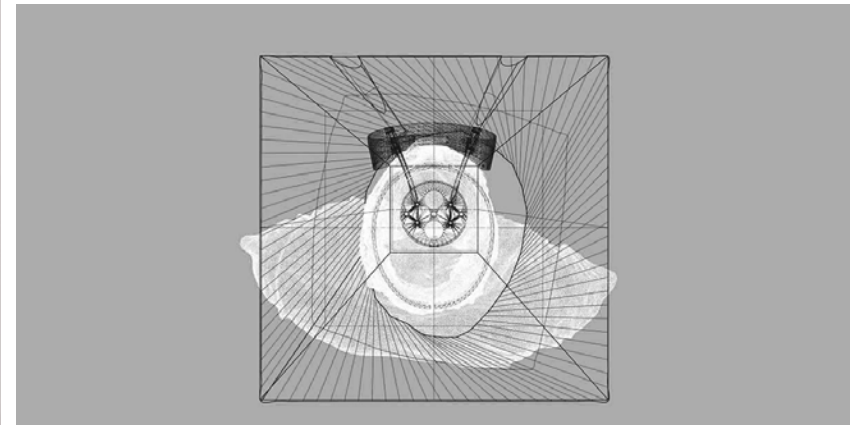
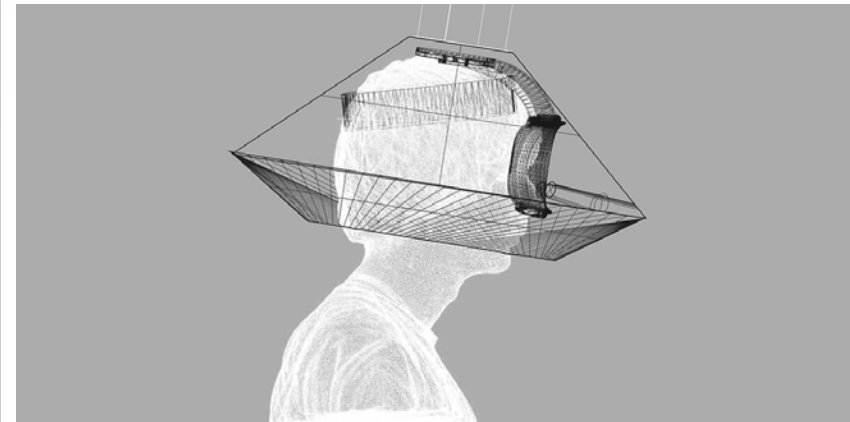
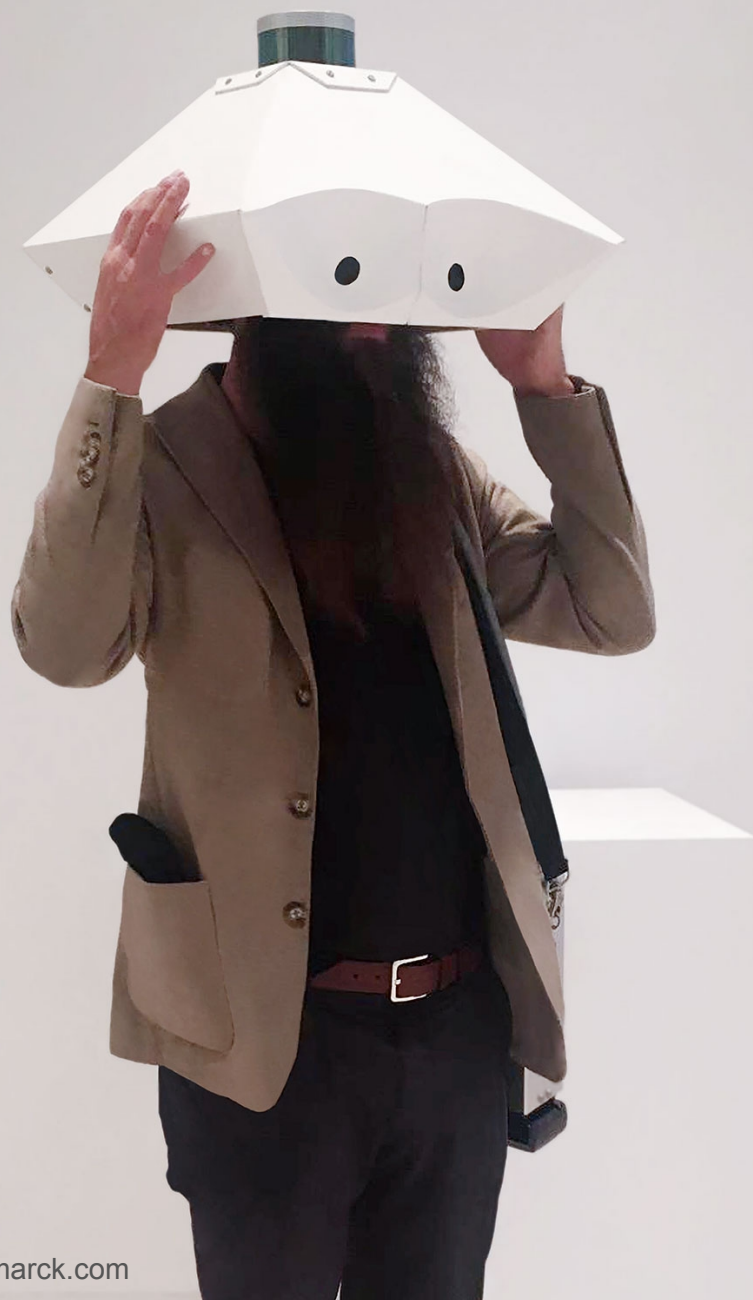
- SoundUpload.org
22-04-2022 10:56:17.82 GMT+0100 Spain
22-04-2022 11:00:14.94 GMT+0100 United States
22-04-2022 10:56:16.06 GMT+0100 France
22-04-2022 10:55:38.33 GMT+0100 United States
22-04-2022 11:02:13.36 GMT+0100 United Kingdom





Quelle: Uploaded by user





Lidar Helmet

juliusvonbismarck.com · juliusvonbismarck.com

Top Shot Helmet

juliusvonbismarck.com · juliusvonbismarck.com



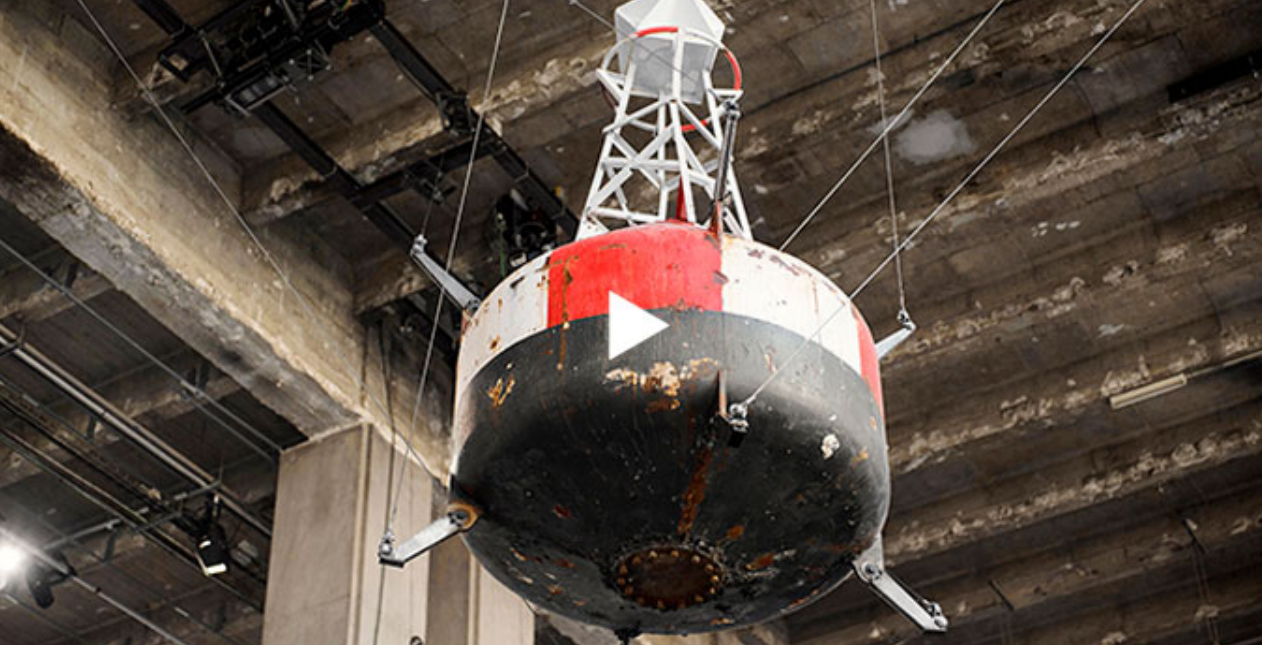
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juliusvonbismarck.com





...e abbiamo bisogno di questa parola o se invece abbiamo bisogno di nuove parole.



Smoking Bench

jeppehein.net · jeppehein.net





Invisible Cube

jeppehein.net · jeppehein.net



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Quelle: Colossal



Colossal



Quelle: Colossal



Quelle: Colossal



Quelle: Colossal



Quelle: Colossal



Quelle: Colossal

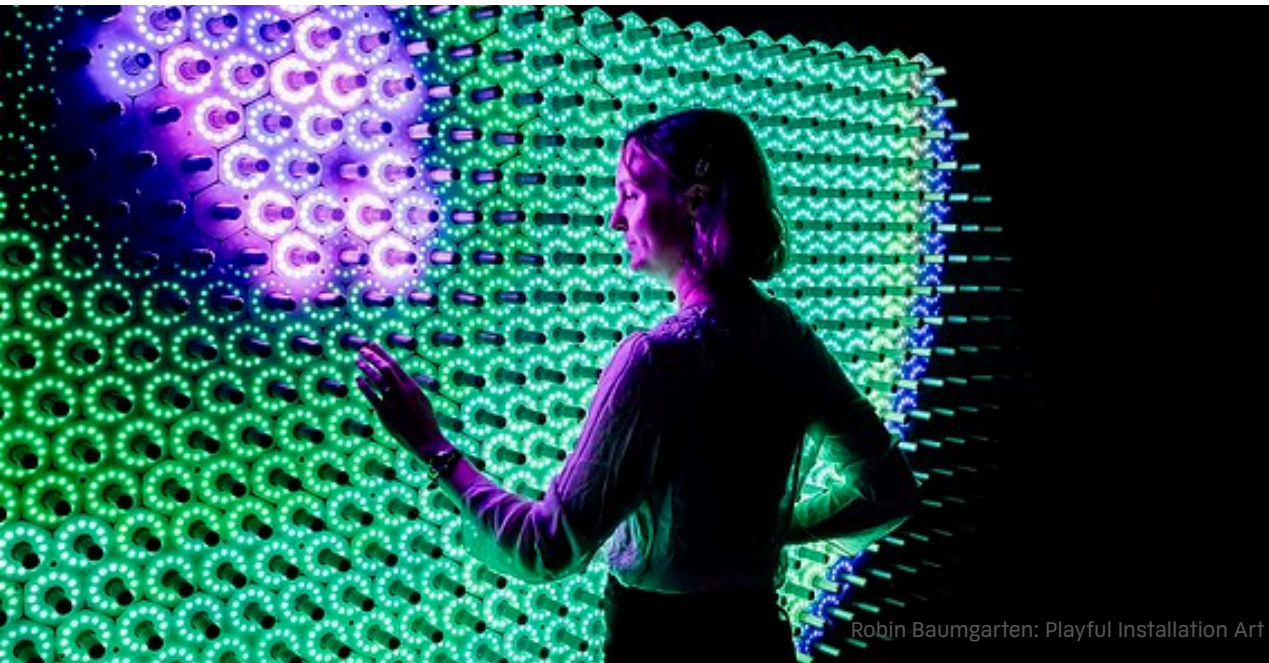
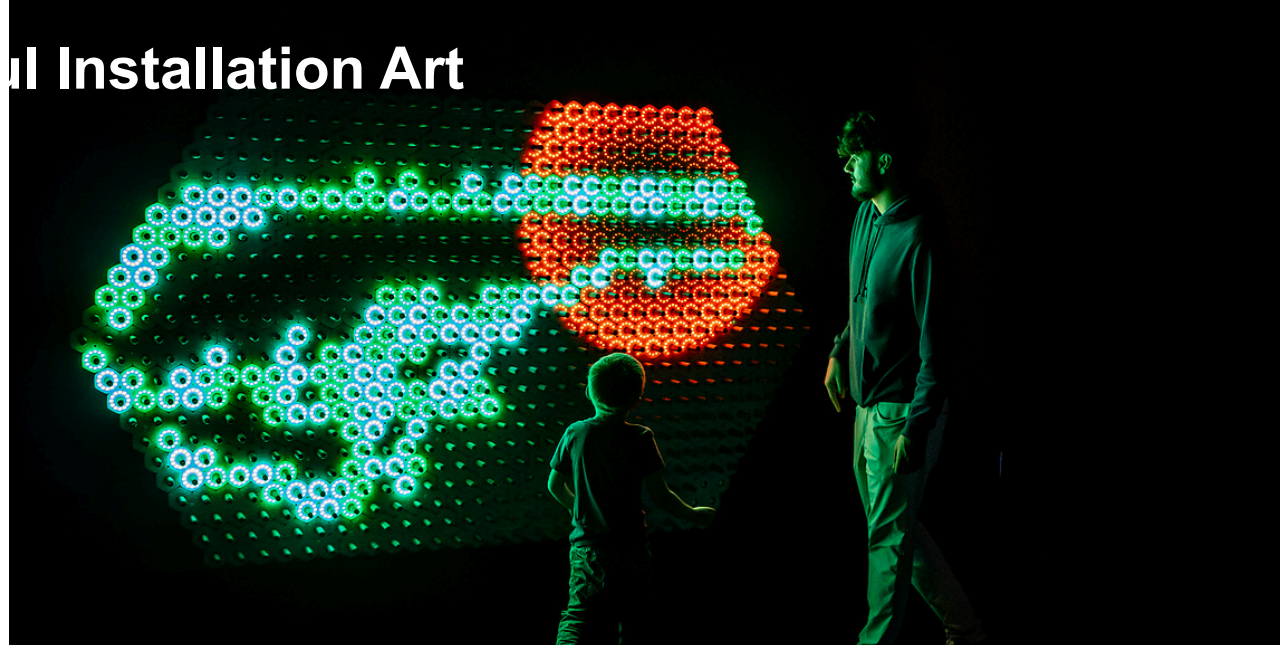




Quantum Jungle - Robin Baumgarten: Playful Installation Art

Robin Baumgarten: Playful Installation Art - www.wobblylabs.com

[▶ Youtube](#)

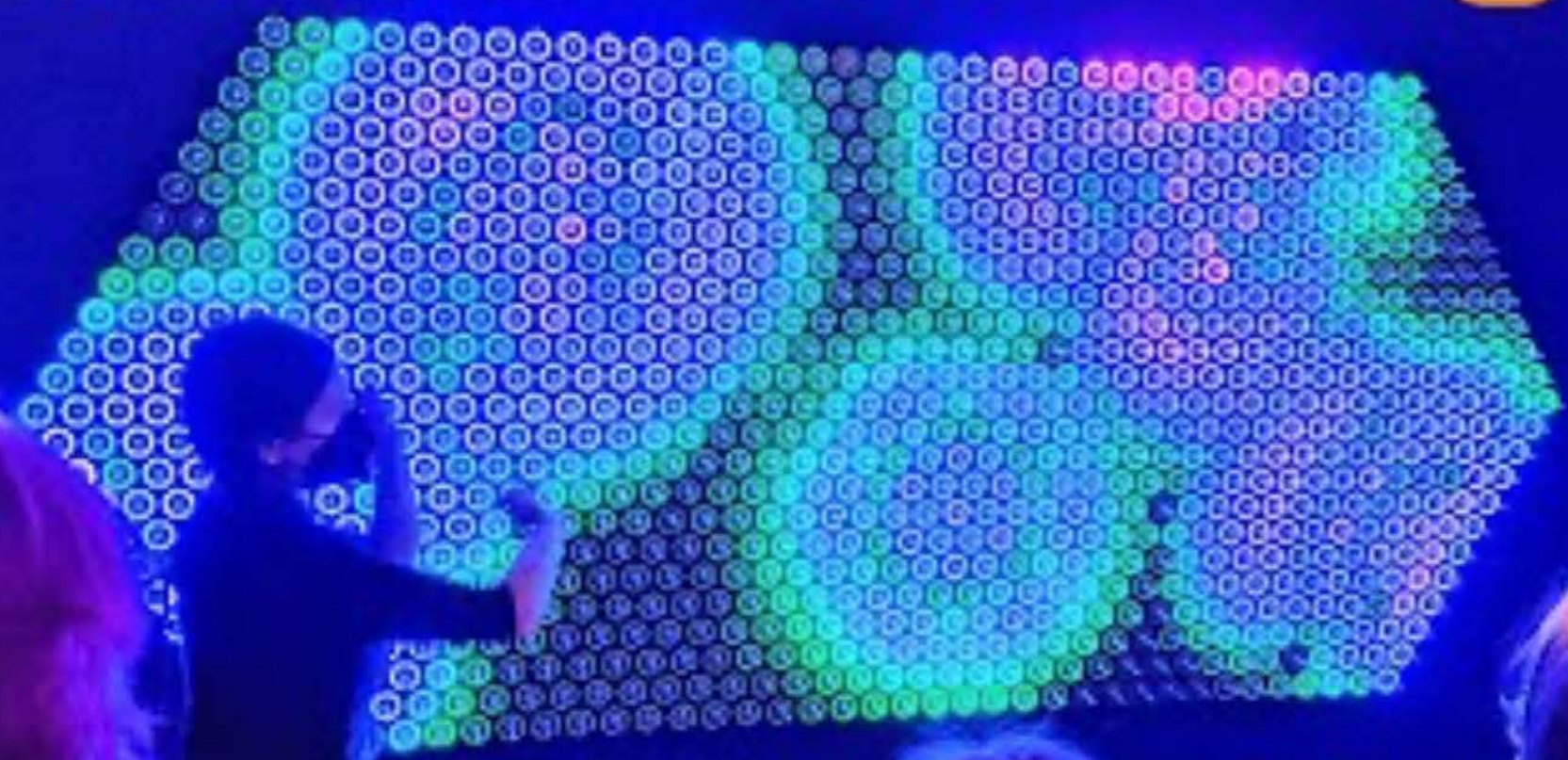


Robin Baumgarten: Playful Installation Art



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Quantum Jungle



Art & Quantum Physics!



Each troll doll
is like a pixel



Quelle: Uploaded by user

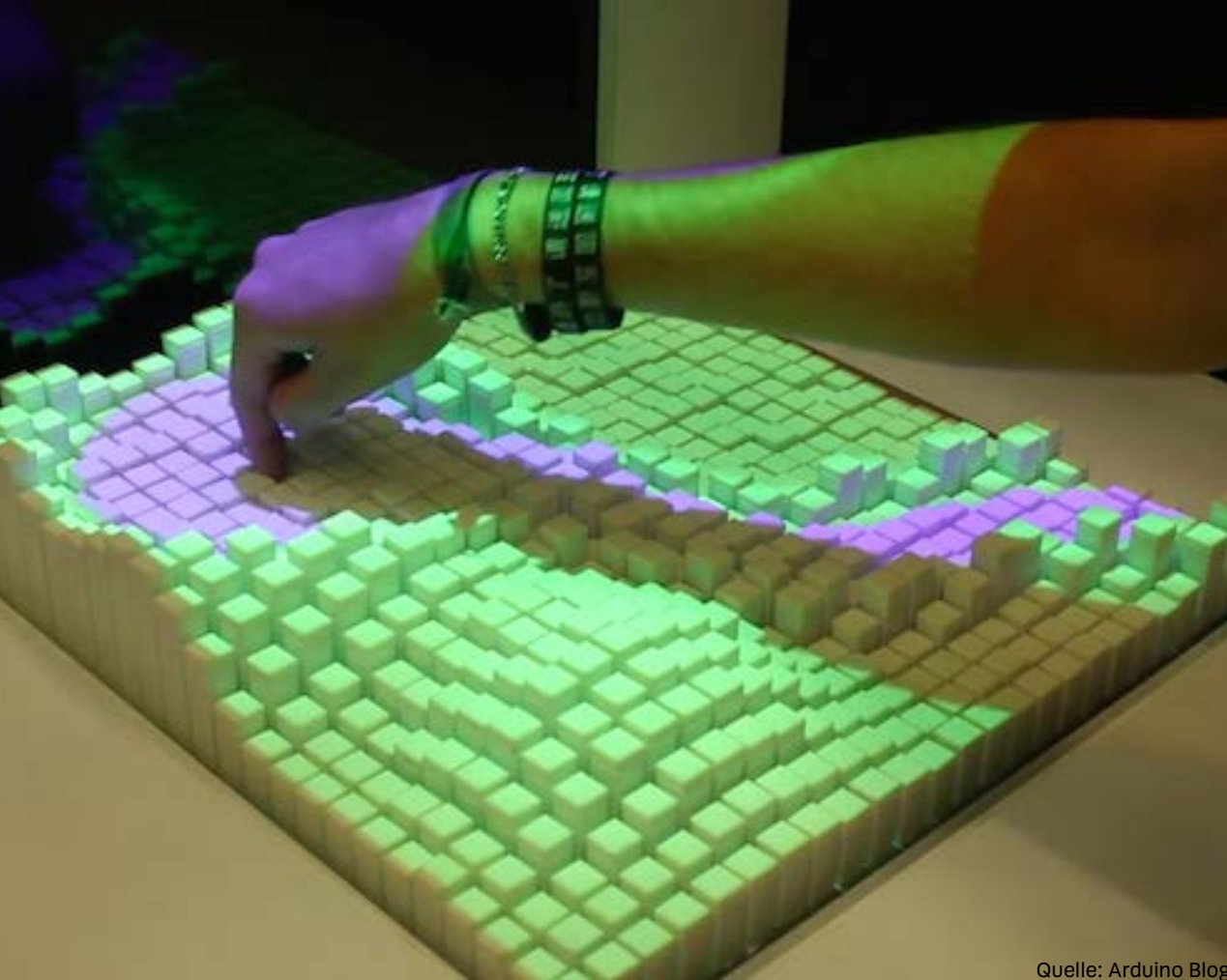












Quelle: Arduino Blog



Arduino Blog

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Tangible Media Group – MIT Media LAB

A hand with several bangles is shown interacting with a 3D-printed grid of small, colored blocks. The blocks are arranged in a grid pattern and are colored in shades of blue, green, and yellow. The hand is positioned over the grid, with the index finger pointing towards the center. The word "MATERIABLE" is overlaid on the image in a white, bold, sans-serif font, enclosed in a white rectangular border.

MATERIABLE

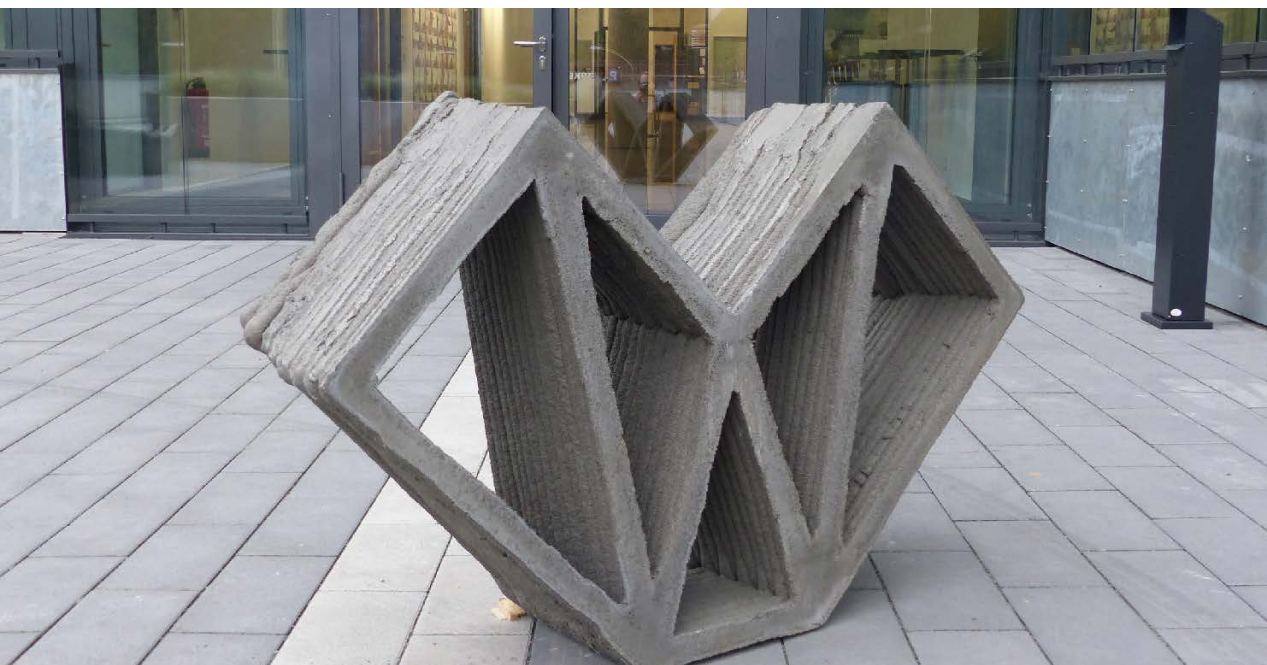
AUGMENTED REALITY

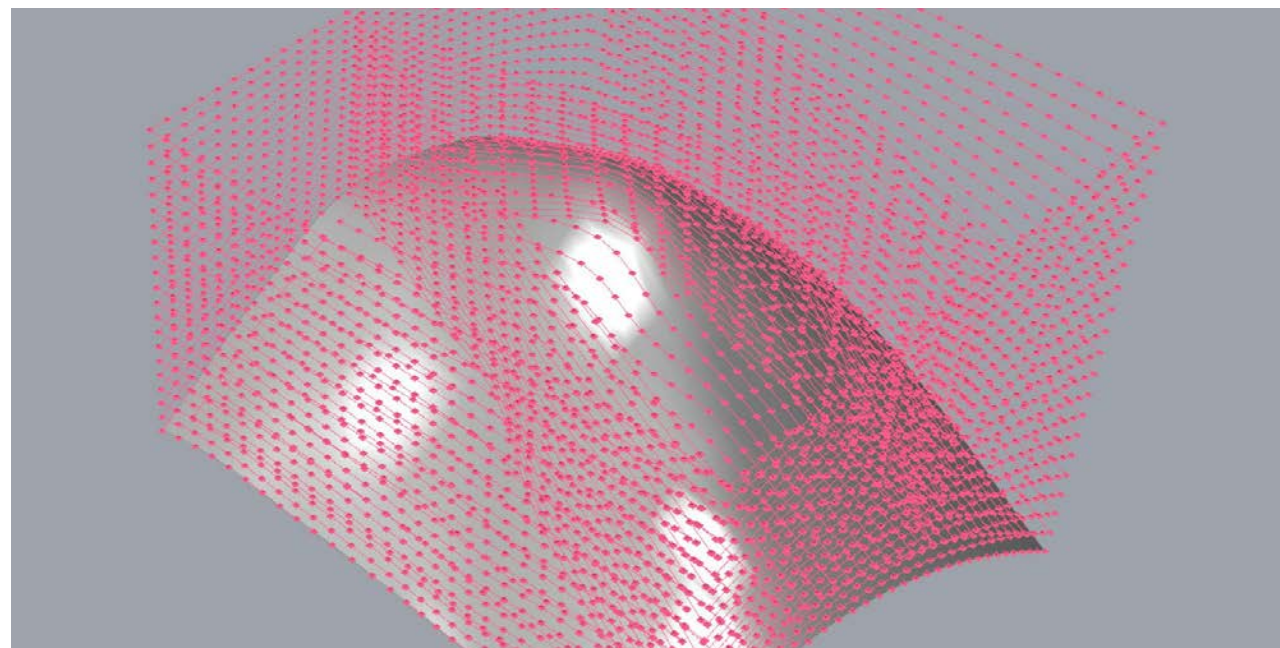
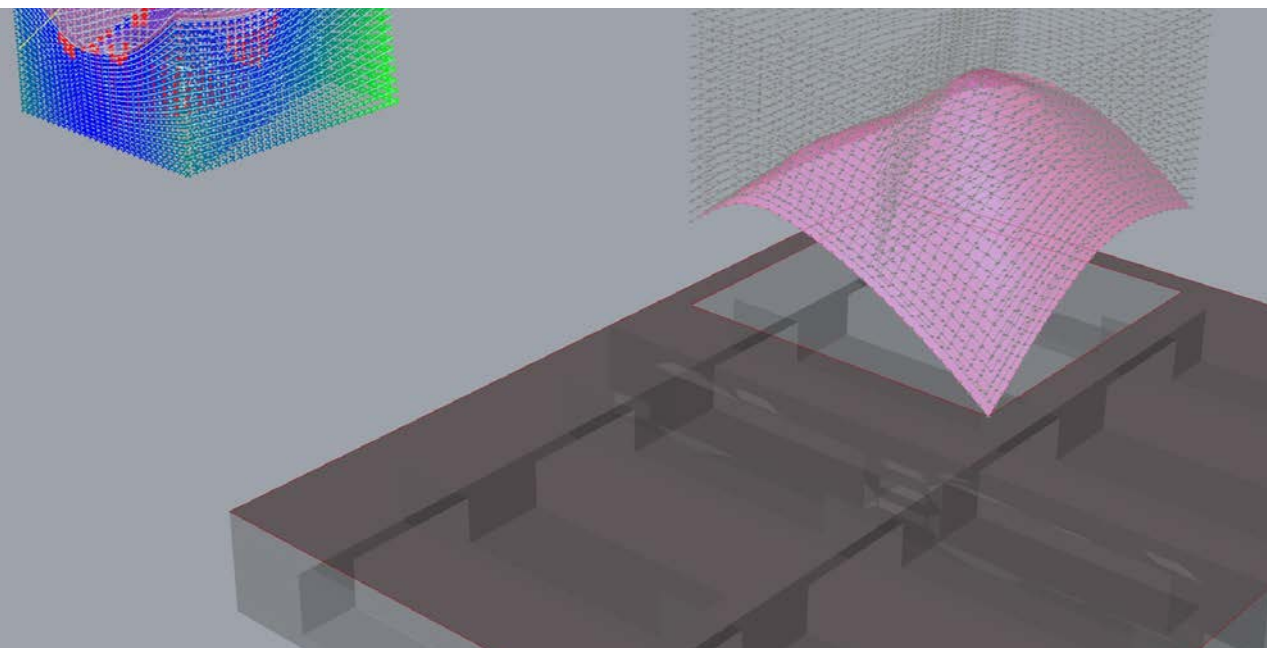
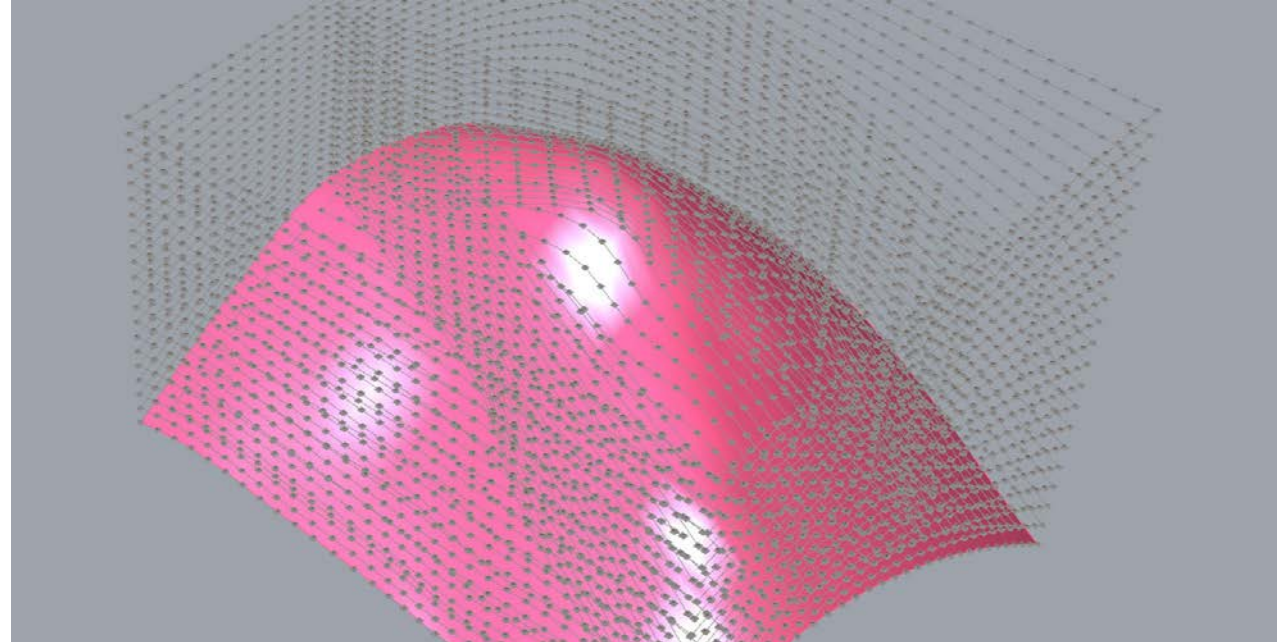
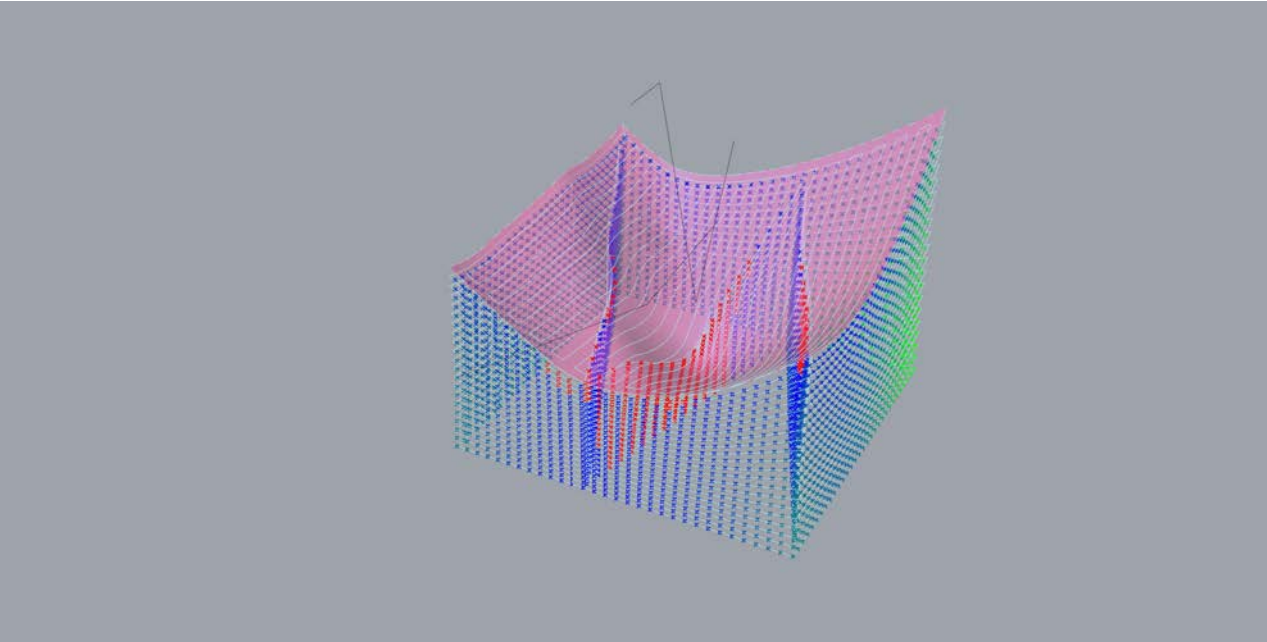
SANDBOX

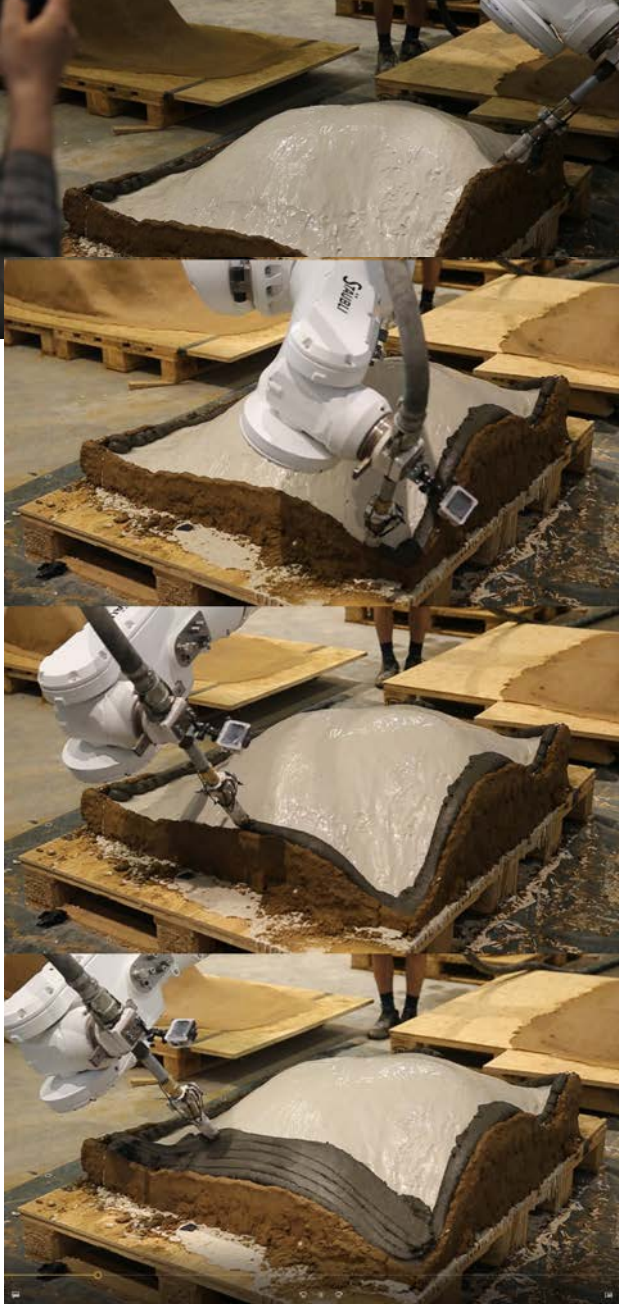
TECH
INSIDER









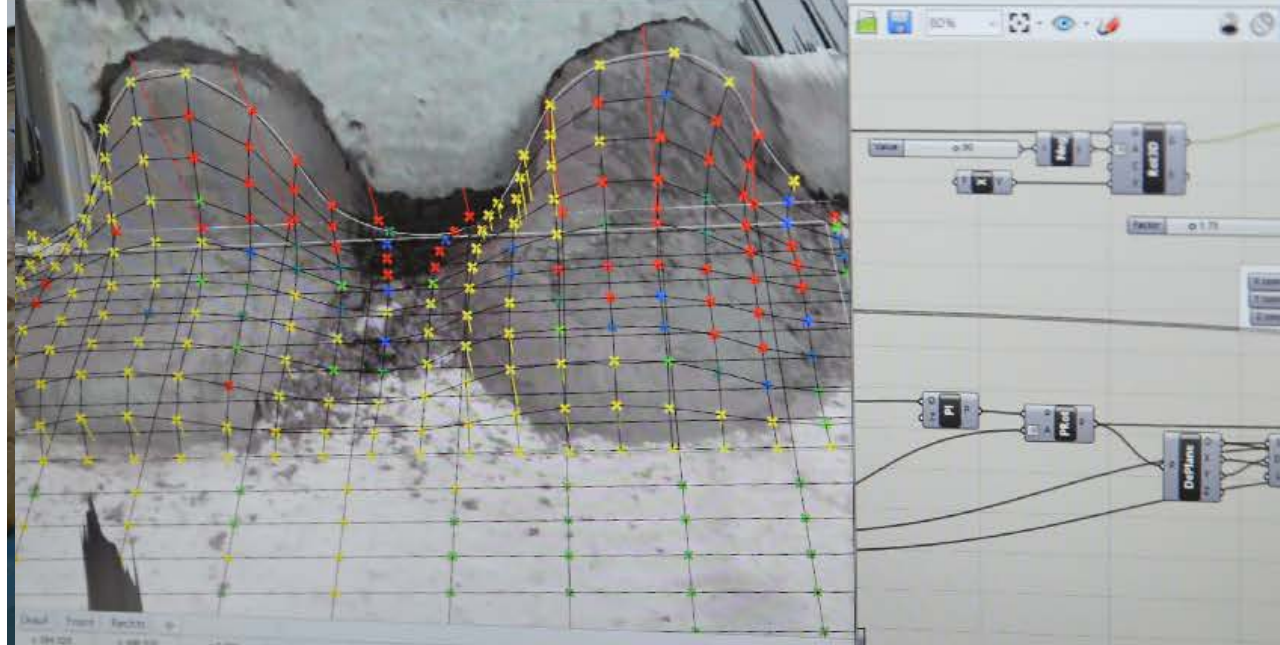


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DIGILOG Projekt (FUdK)



robotic concrete printing at TU-Braunschweig

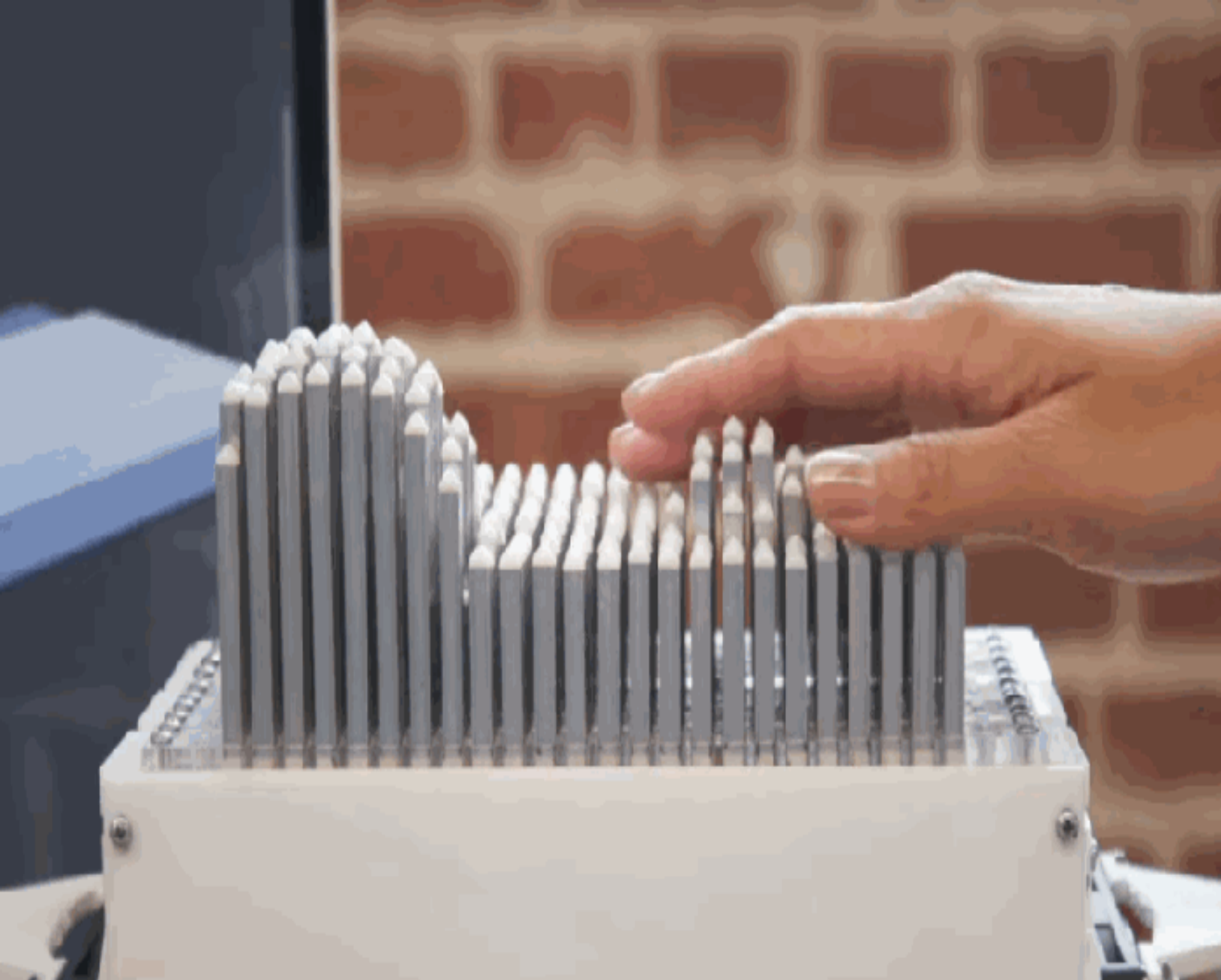


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DIGILOG Projekt (FUdK)

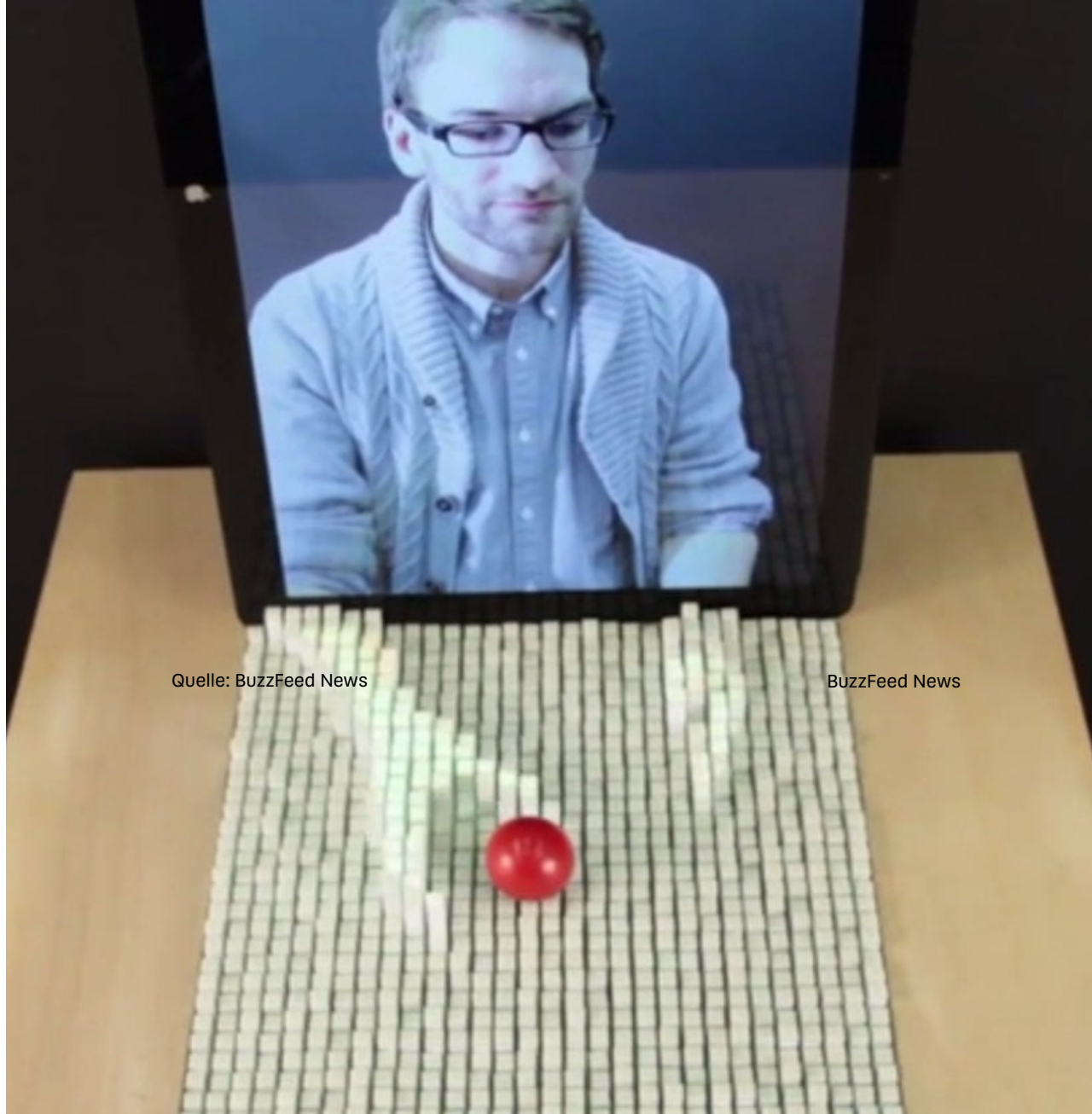
augmented assisted modelling with depth camera





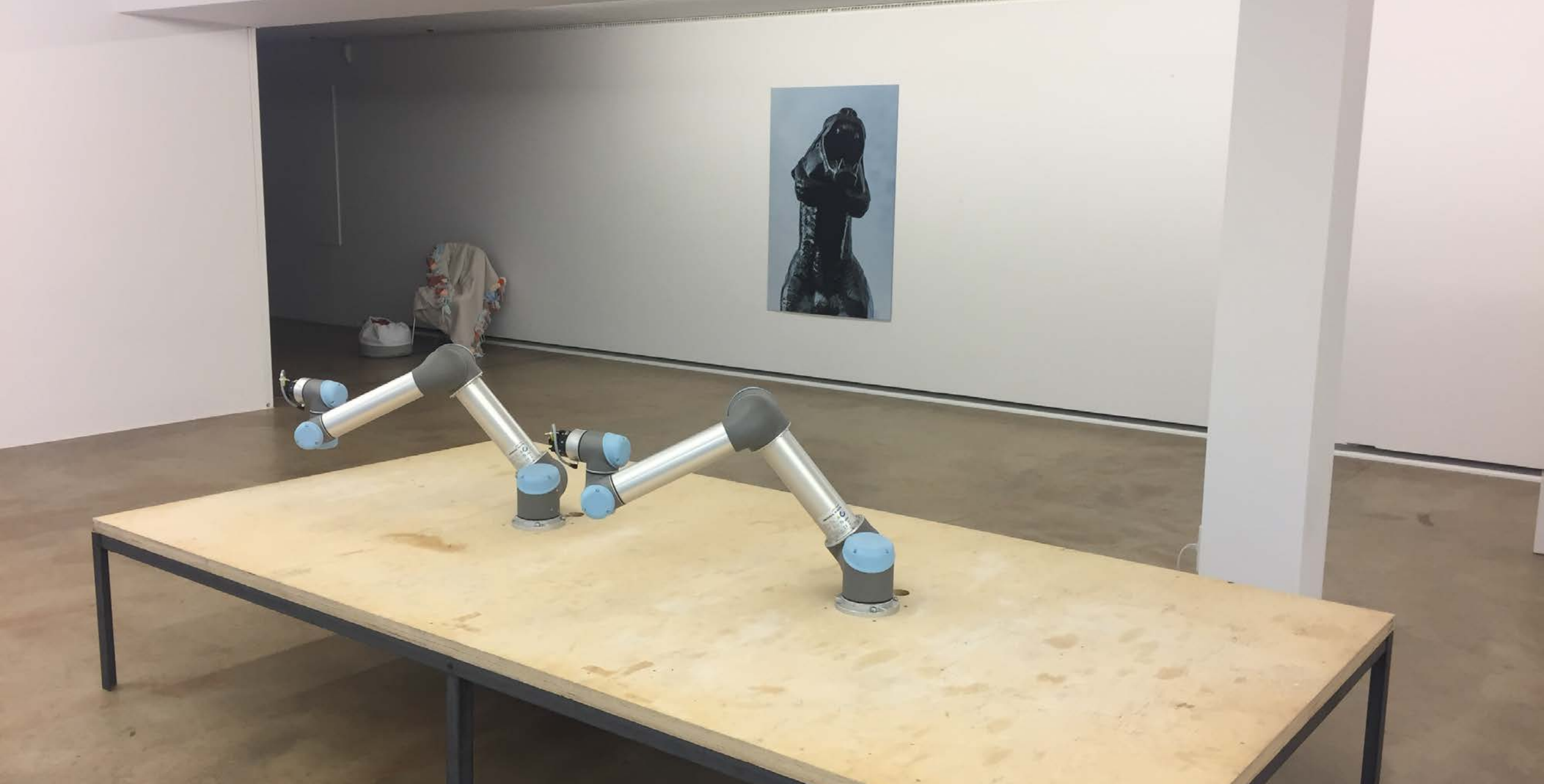


Quelle: BuzzFeed News



Quelle: BuzzFeed News

BuzzFeed News





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Paro: Die Therapie-Robbe gegen Einsamkeit, Stress und Wut.

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