

PORTFOLIO

Elias Grieninger



Functional design, technology curious & lots of creativity.

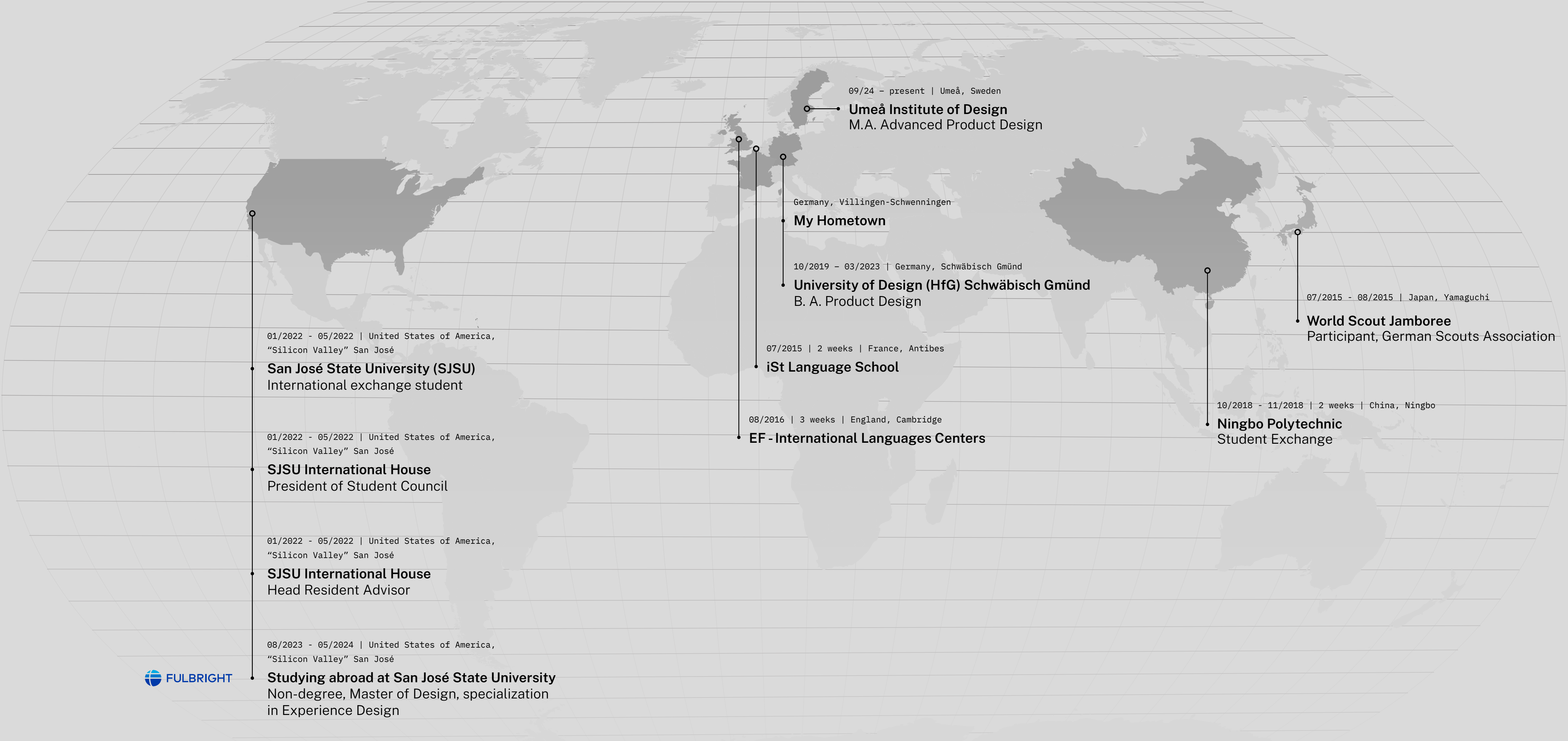
Welcome! I am Elias, a 25 year old student in the first year of Umeå Institute of Designs Master of Advanced Product design. I graduated with a bachelors degree in Germany. After, I spent one year in the United States studying Experience Design on a graduate level with a Fulbright scholarship.

In this portfolio you can expect works that demonstrate the following: My focus is on developing user-centered and relevant design solutions. I follow technological advancements closely and am curious about finding ways for its meaningful applications. I am driven by a functional design philosophy, but also have a high emphasis on aesthetics and details.



Elias Grieninger
> Graduating 2027

Experiences around the world





PRIZMA

AR Gas mask for environmental crime investigation.



Habitat

Reinforcing good habits and promoting less screentime.

2025



Scrubber

A battery powered scrubber with focus on manufacturing.

Coming 20th of April
visit eliasgriening.com

2025



Project lenth: 12 weeks
When: 2024
Team: Artyom Shpagin
University: Umeå Institute of Design

01 PRIZMA

Smart gas mask for environmental
crime scene investigation



Official collaboration with
the swedish police

“We are still taking notes with pen and paper and then need to transfer them to the computer [in the police station].”

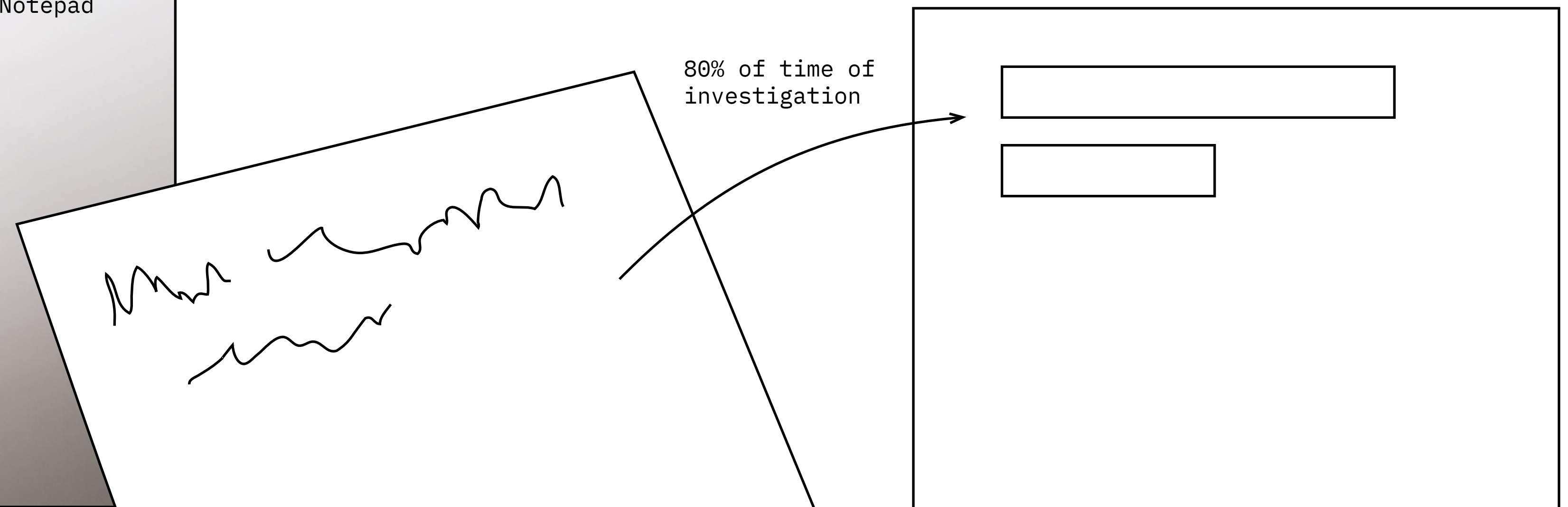
Stated in our interview by
Crime Scene Investigator



Pencil

Handwritten
label

Notepad



80% of time of
investigation

“We cannot use forensic glasses [to detect traces under UV light] with the full-face mask.”

Crime Scene Investigator



“Very often these headlights come off when we wear them on a helmet.”

Crime Scene Investigator



PRIZMA eliminates the need of analouge documentation equipment...



Soft face seal,
Sturdy shell

Weight distribution
across five straps

Integrated lights



Helmet compatible

Highly adjustable for
comfort and safety

Full face coverage

...by integrating augmented reality into a gas mask

“It would be nice if we could talk without needing to shout across spaces or rely on external systems that everyone can hear.”

Crime Scene Investigator



Space for ponytail

Integrated microphone



Directional Speaker

Improved communication.

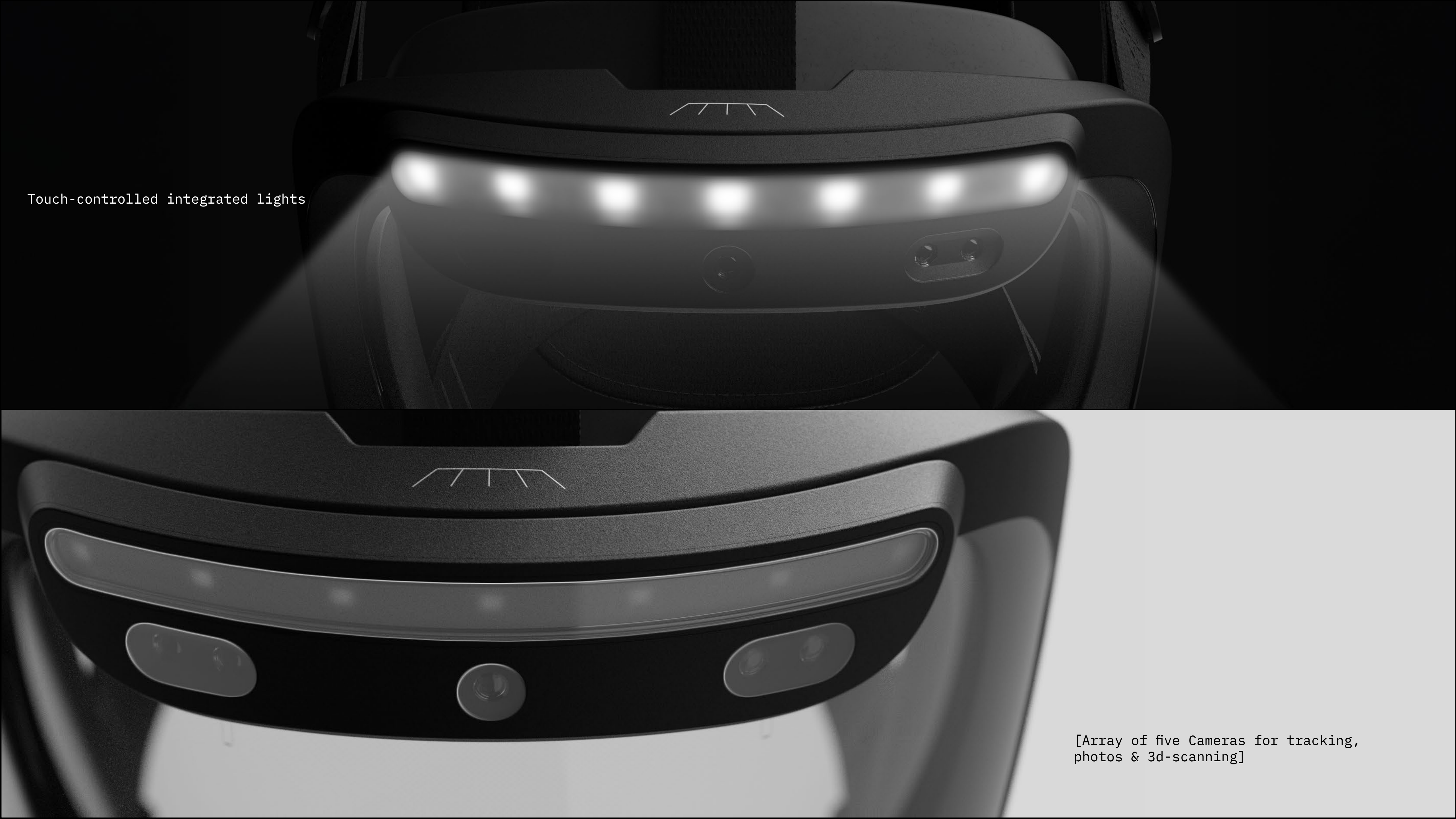
Slimmer filters, close to the face.



Release filter

Slim filters reduce the experienced weight by sitting closer to the face

Improved agility and reduced weight.

The image shows a futuristic, curved, black device, possibly a head-mounted display or a smart visor. The top part of the device features a glowing light bar with five distinct points of light. Below the light bar, there is a camera array consisting of five lenses. The device is shown in two views: the top view shows the glowing light bar, and the bottom view shows the camera array. The background is dark, and the device is illuminated from above.

Touch-controlled integrated lights

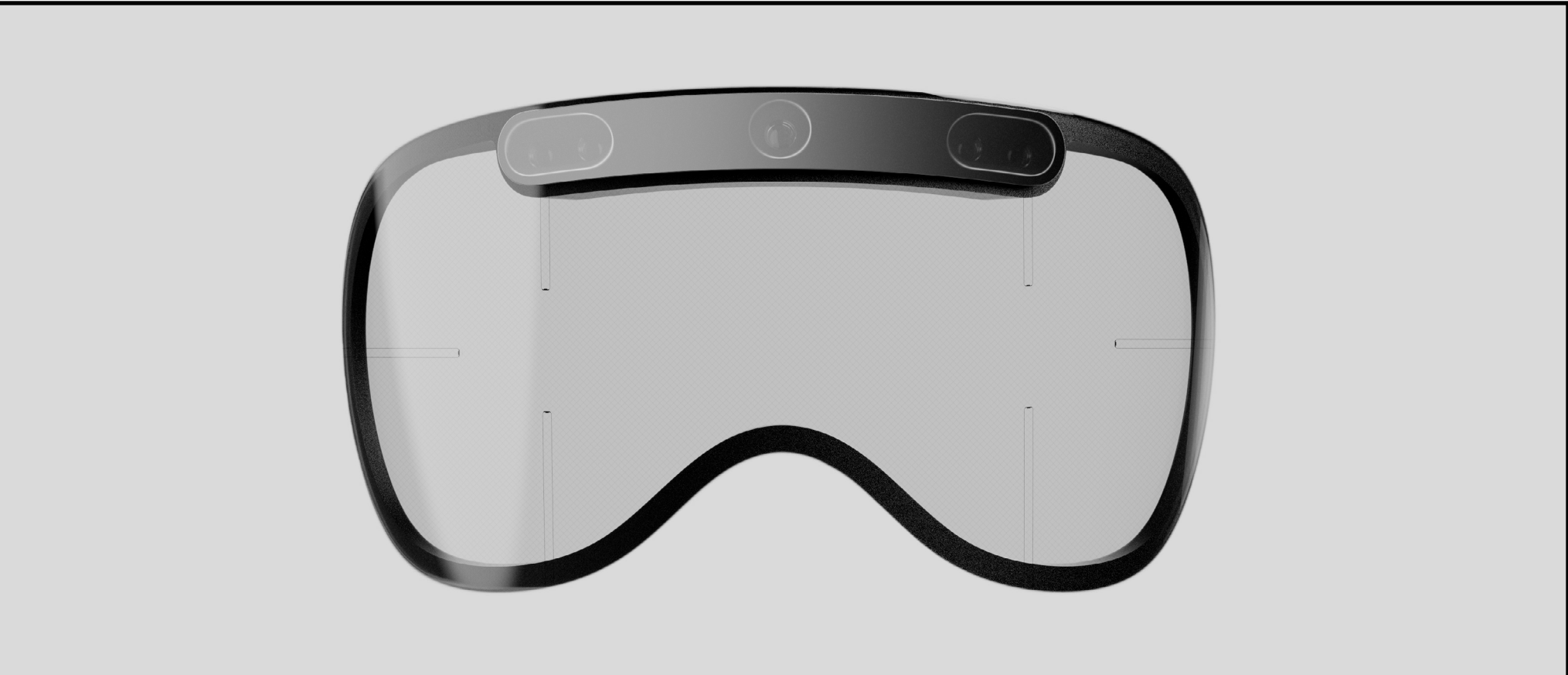
[Array of five Cameras for tracking,
photos & 3d-scanning]

Removable augmented reality glasses on the inside

One waveguide display covering each eye



120° field of view



Removable for cleaning and maintenance



Change the way crime scenes are documented



01

K123456789-24 Ines Sundberg

Soil Sample [01]

Sampling Depth: 10 cm Subsamples: 10

Sample Status

Sample Taken Sent to NFC Testing... Result

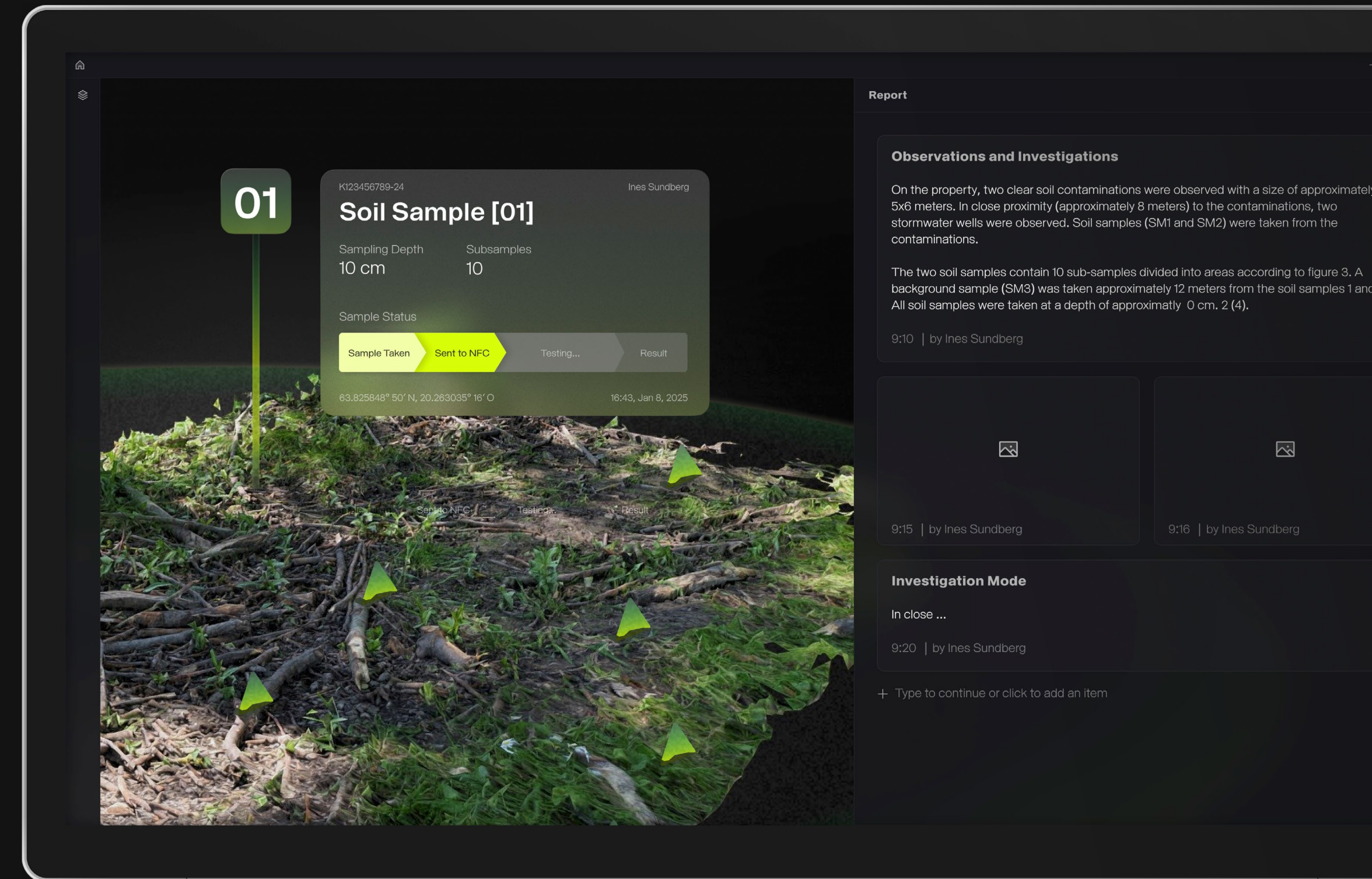
63.825848° 50' N, 20.263035° 16' O 16:43, Jan 8, 2025

View and edit documented cases in the desktop software

The crime scene is passively 3d scanned by PRIZMA and uploaded



Efficient case management and progress tracking



“We cannot use forensic glasses [to detect traces under UV light] with the full-face mask.”

Crime Scene Investigator

Handle for easy removal



Complete vision coverage



Snap-on forensic glasses.

02

03



K123456789-24 Ines Sundberg

Soil Sample [01]

Sampling Depth	Subsamples
10 cm	10

Sample Status

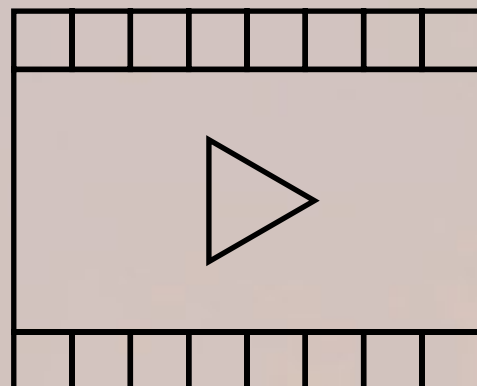
Sample Taken → Sent to NFC → Testing... → Result

63.825848° 50' N, 20.263035° 16' O 16:43, Jan 8, 2025

Project length: 4 week design sprint
When: 2024
Team: Mai Eigel, Shelley Xiao
University: Umeå Institute of Design

02 habitat

Reinforcing good habits with a habitat for the phone.



Watch the 2:35 Video here

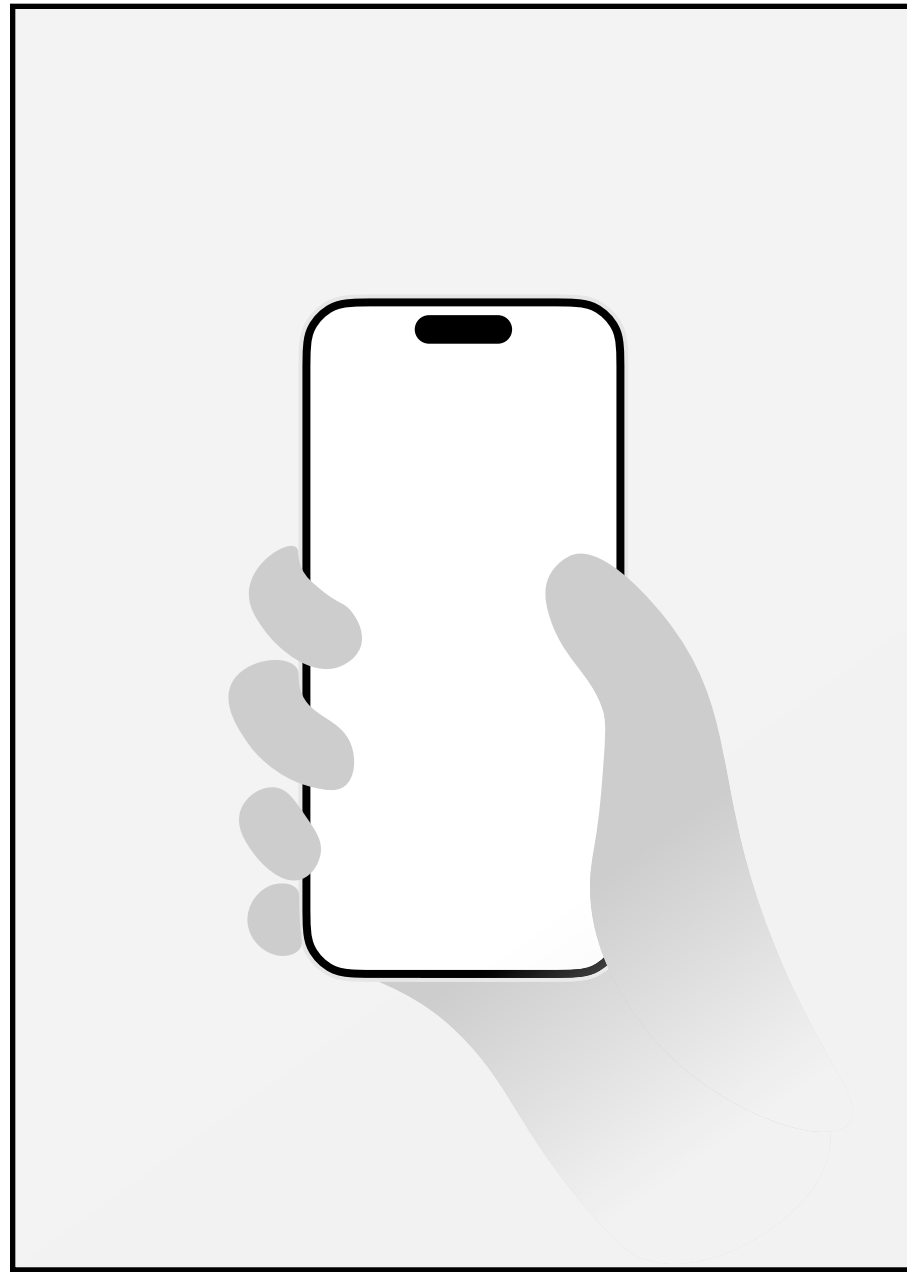
How might we help people to use their phones less at home?

The average person spends 2h and 24 minutes on social media every day.

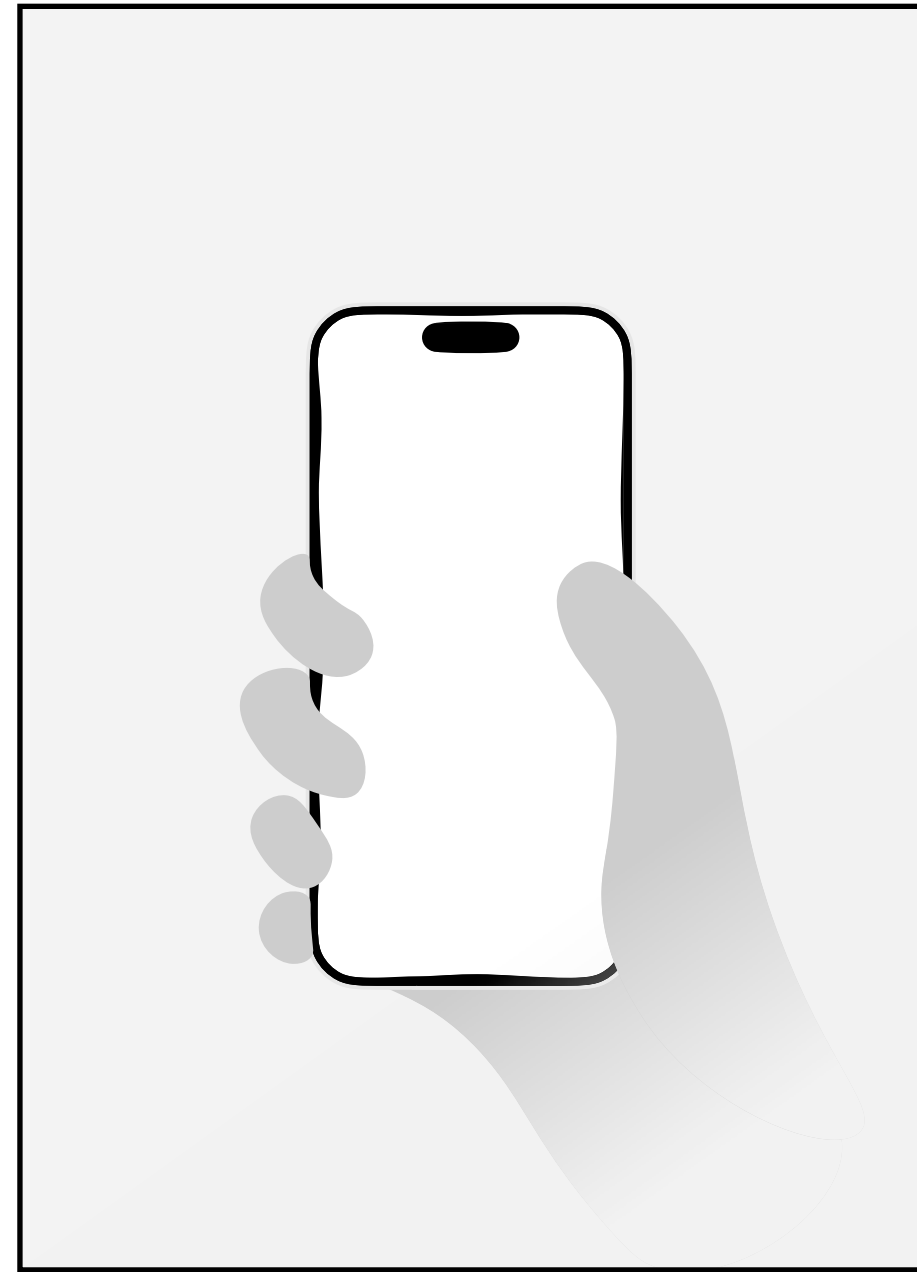
Many people would like to change their habits, but have difficulty doing so.



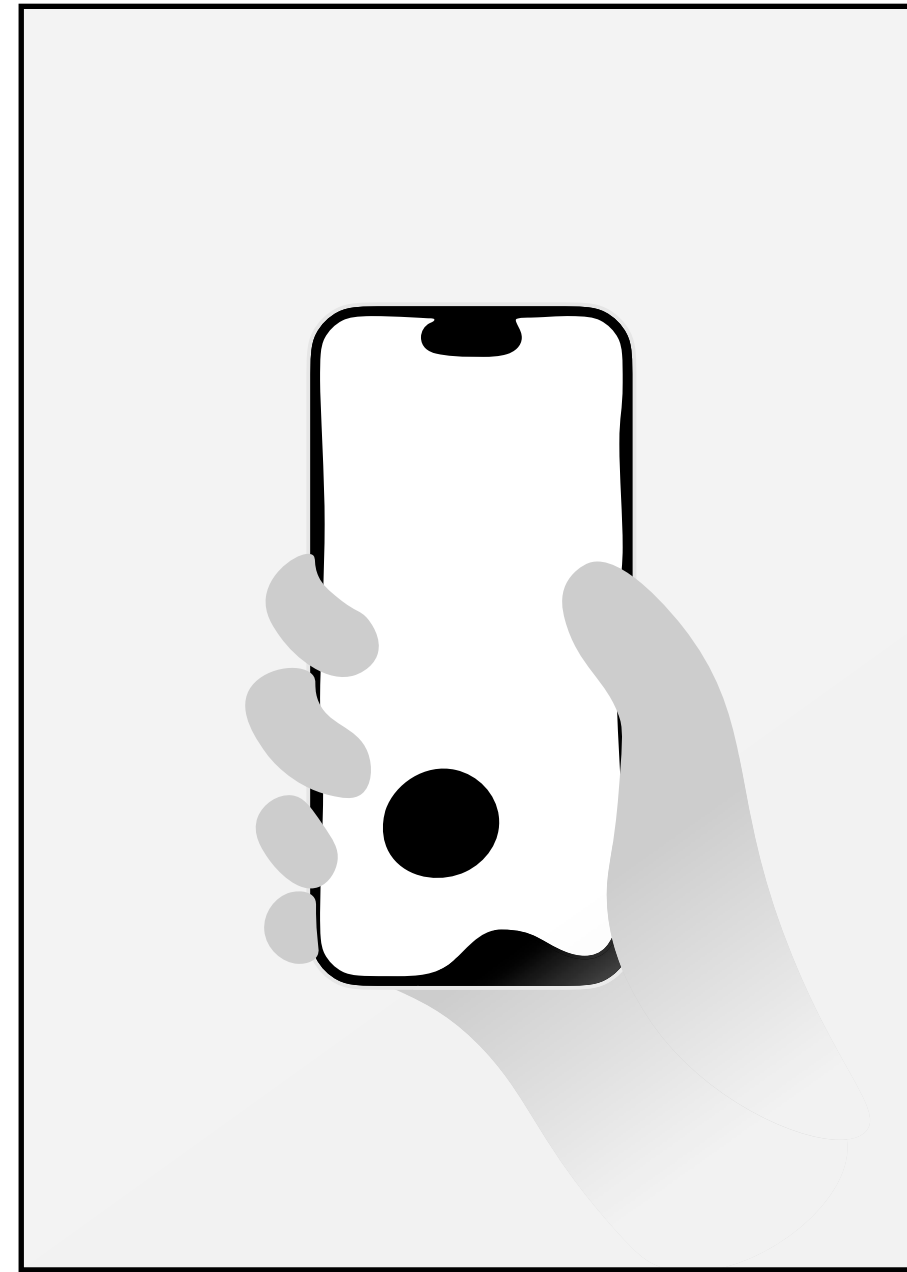
After the daily limit is reached, black bubbles slowly take presence on the screen.



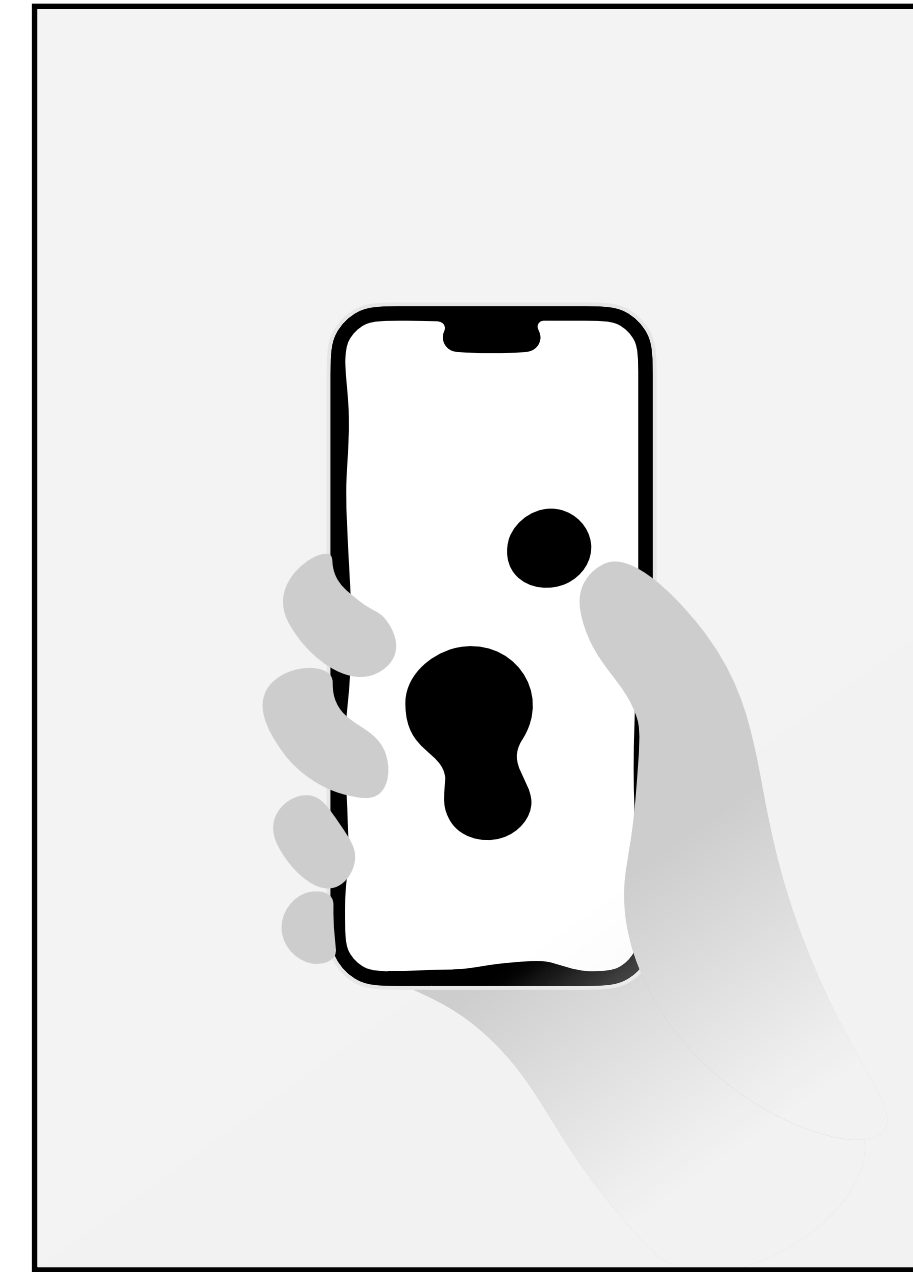
The animation starts after the self-set daily limit on a an App is reached.



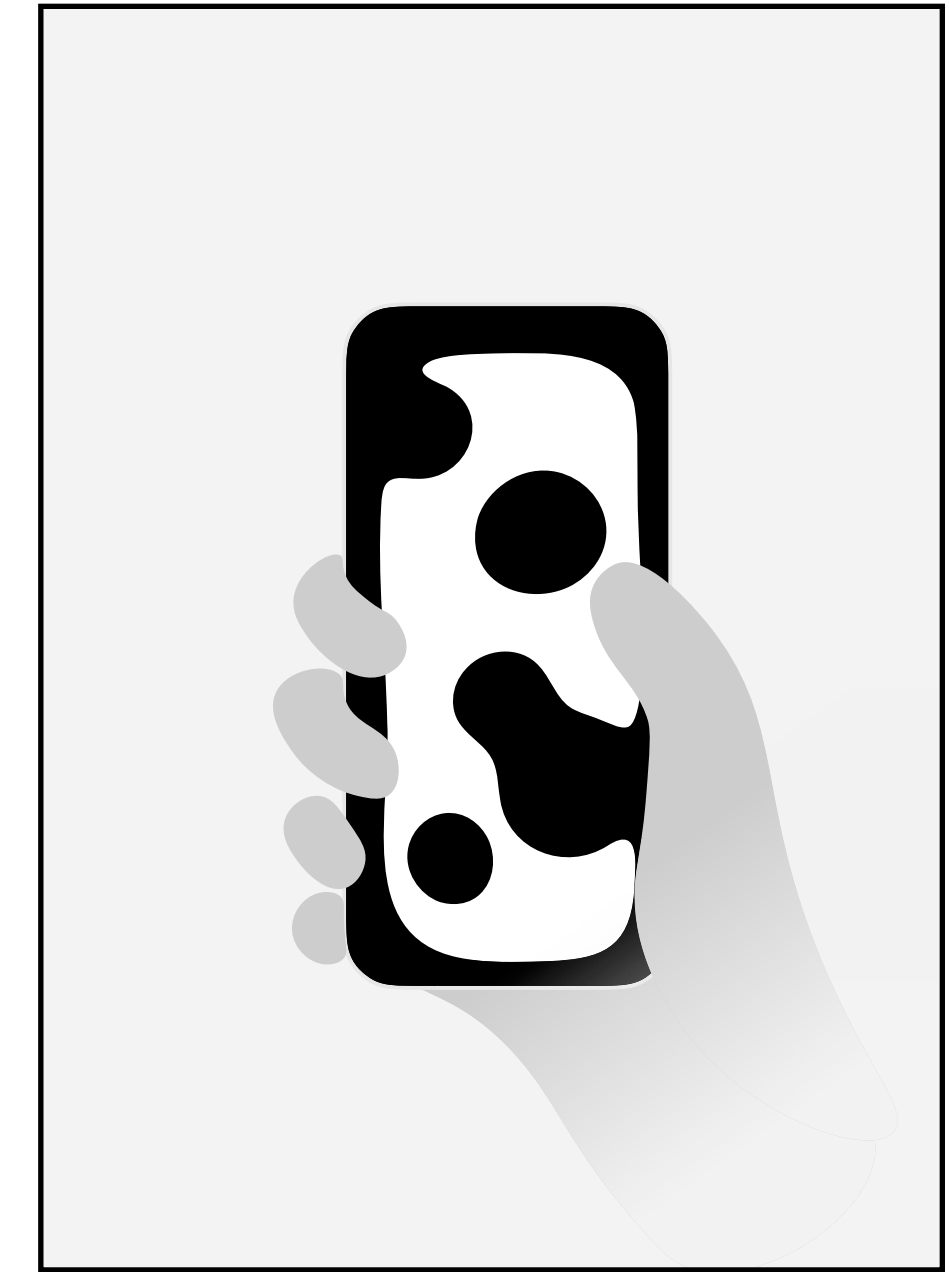
The screens borders "liquify" and start slowly moving.



Bubbles start to form and wander across the screen. They start out as very little and being a minor inconvenience.



Eventually bigger bubbles form and interact with each other taking more and more attention from the user.



Finally, the screen starts to clutter so much, that the app becomes unusable.

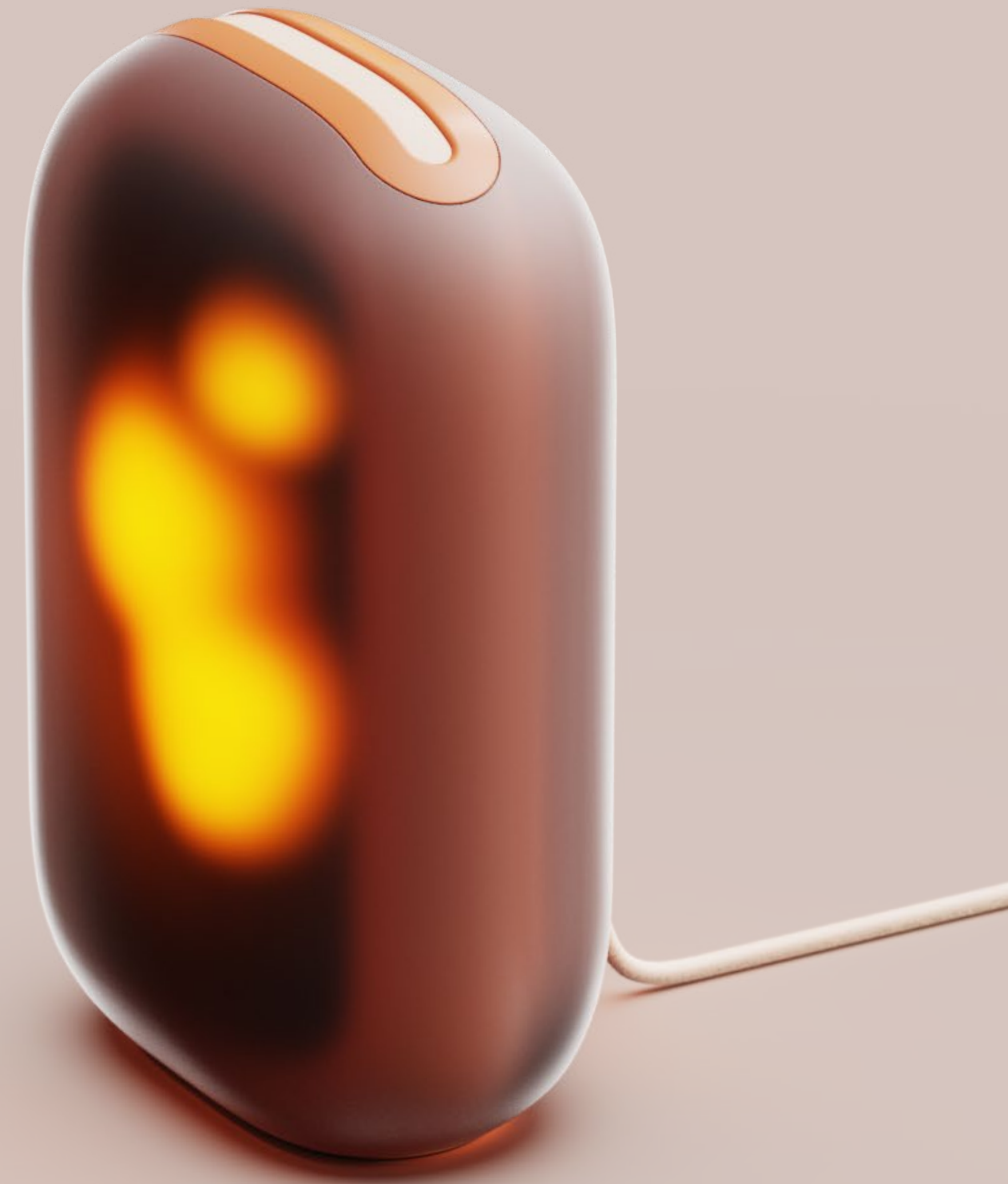
Clean your phone and your mind.

The phone gets virtually "cleaned" from the bubbles as you put it inside the device.



The frosted glass distorts the display through the materials physical characteristics.

A calming lava animation starts, rewarding the user with soft, ambient light for less screen time.



Fear of missing out? Rest assured. Intelligent message filtering detects messages you would not want to miss.

You decide what kinds of notifications should still be able to reach you.



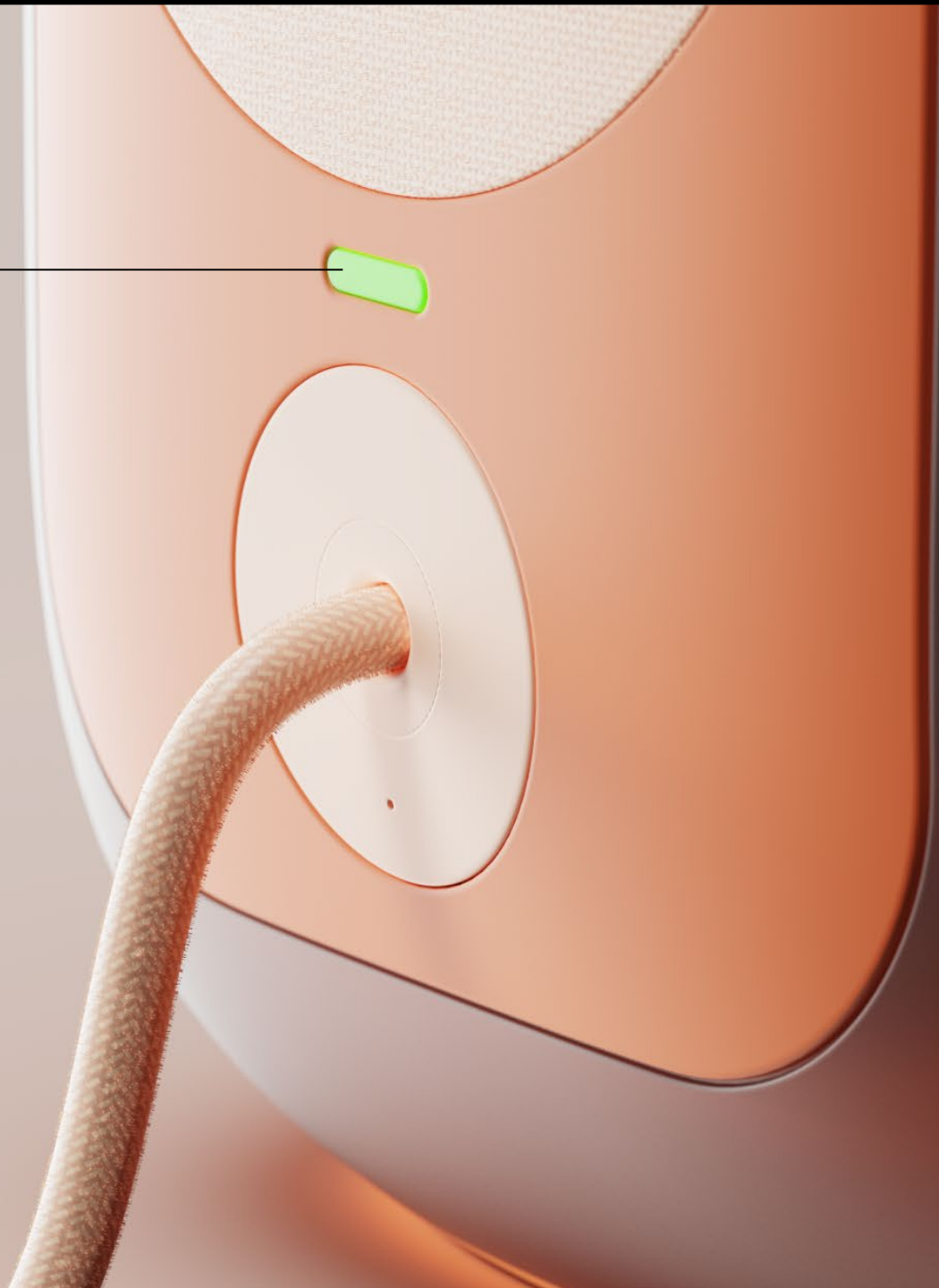
- Jonas Kimmig** now
Luca and I are heading to the beach this evening, do you want to join?
- Luca Heilmann** now
Haha that's terrifying 😱
- Mary Wang** now
I found sooooo much stuff on the fleamarket today!!!
- New Episode** 2m ago
A new episode of Severance is now on Apple TV+.
- Thomas Degn** 21m ago
APD program council meeting 3 - Agenda and link to folder with attachments



Details. Because they matter.



Status LED



Microphone for voice interaction



Big speaker for low frequency, calm sound effects.



Speaker

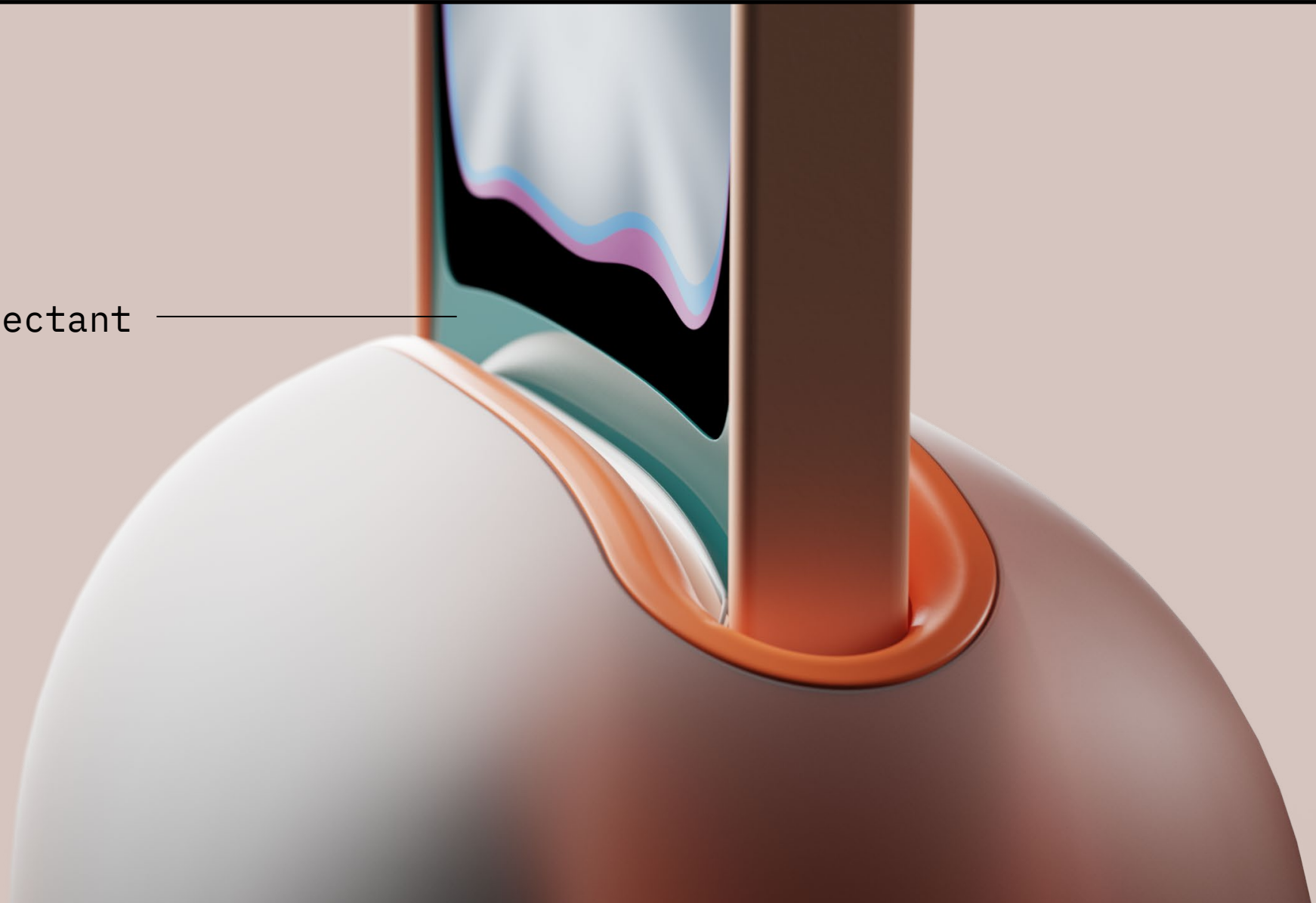


Cleanliness you can see and smell.

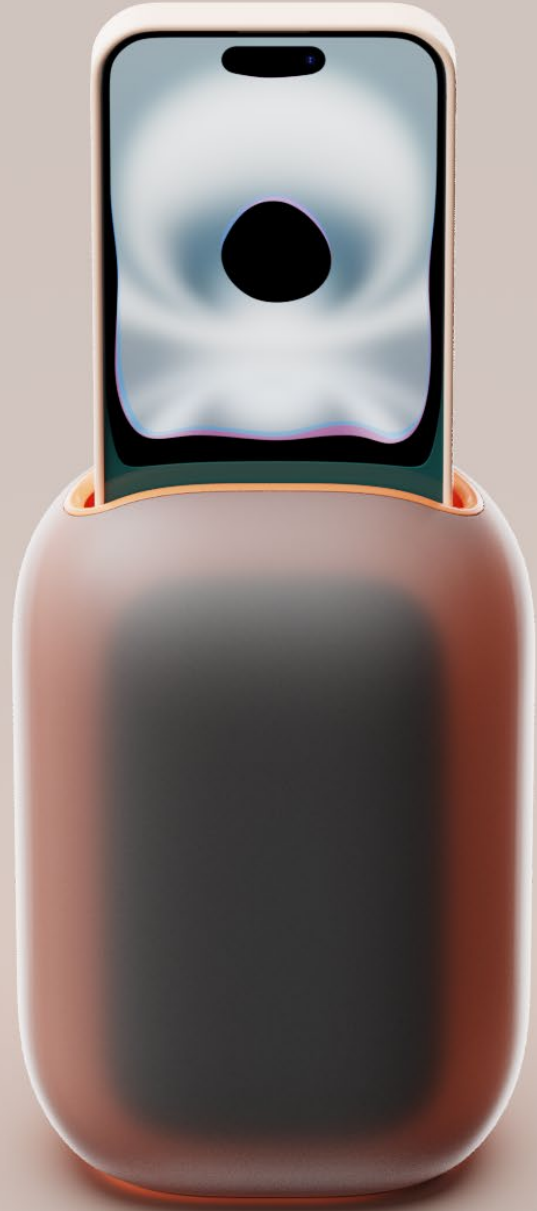
A Push-to-open compartment holds the liquid disinfectant. Scent adds another dimension to the experienced reward.



Disinfectant



The phone is disinfected while coming out.



Always a 100% clean phone as reward.

Motion detection sensor triggers
the phones movement



What will it be? Neutral or vibrant colors that lean into the retro vibe?

The black versions inner parts result in a borderless appearance.



Thank you.

see CV attached.

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+49 160 93606753



CV



elias.grieninge@gmail.com
+49 160 93606753

Education

10/2024 - 05/2027 (ongoing) | Sweden

Master of Advanced Product Design
Umeå Institute of Design

08/2023 - 05/2027 | United States

One year non-degree student at San José State University
Master of Design with specialization in Experience Design

10/2019 - 06/2023 | Germany

University of Design HfG Schwäbisch Gmünd
B.A. Product Design

01/2022 - 05/2022 | United States

One semester abroad at San José State University
International exchange student

Working Experience

02/2024 - 05/2024 | United States of America

San José State University International House
Head Resident Advisor

11/2023 - 01/2024 | United States of America

SEID Lab, San Jose State University
Lead Lab Technician, supervision and lab maintenance

11/2022 - 06/2023 | Germany

University of Design HfG Schwäbisch Gmünd
Tutor, Portfolio Tutorial

10/2023 - 01/2024 | United States of America

One semester abroad at San José State University
International exchange student

09/2021 - 01/2022 | Germany

WhitelD Integrated Design GmbH & Co. KG
Full-time industrial design internship

Additional experience

10/2024 - 05/2025 (ongoing) | Sweden

Student Council Representative for Advanced Product Design 1
Umeå Institute of Design

02/2022 - 07/2022 | United States of America

President of Student Council
San José State University International House

06/2023 - 01/2024 | Germany

03/2021 - 05/2021 | (Virtual)
Virtual Student Exchange Program

Awards and Honors

2023/24 | United States of America

Fulbright Scholarship for one year

2023/24 | United States of America

Bordoni Family International House Scholarship

06/2023 - 01/2024 | Germany

Exhibition at the HfG Ulm Archive "Plastics – magic materials"
"The OpenDialysis Project"

10/2022 | Germany

Mia Seeger Prize
Awarded for "The OpenDialysis Project"

Tools

2D Software

Adobe AfterEffects, Adobe Illustrator, Adobe InDesign, Adobe Photoshop, Adobe Premiere, Adobe XD, Procreate

3D Software

Fusion 360, Grasshopper, nTopology, Rhino 3D, SolidWorks 3D

Rendering Software

Adobe Dimension, Adobe Substance Painter, Blender, Keyshot, SolidVisualize

Workshop & Machines

FDM Printing, Lasercutting, Milling (metal, wood, plastics), Plotting, Resin Printing

Other

Adobe AfterEffects, Adobe Lightroom, Adobe Premiere Pro, Keynote, SolidVisualize

Languages

German

Native

English

Advanced (TOEFL 103)

French

Intermediate

Umeå, 31.03.2025