

Collin Nortier  
DES 231  
Spring 2024  
ID III

WÅHL



# Problem

## Asthma

- About 1 in 12 people suffer from Asthma in the United States alone.
- With longer exposure, adults are more than likely to develop asthma living in a dense city.

How could we design with this in mind?





“Great way to  
check current  
weather conditions  
while getting ready  
for your day.”

# Persona

Patricia R.

54 years old

Mayor of Edison, New Jersey

Salary - 113k

Lives in 2 - story apartment in the city

- Suffers from asthma, due to years of prolonged smoking
- Loves gardening and cleanliness



# Market Matrix



YUANRI Air Quality Monitor  
\$53.99



BOSEAN Air Quality Monitor  
\$56.99



Hatch Restore 2 Sunrise Alarm Clock  
\$199.99



BALDR Waterproof Digital Shower Clock  
\$32.99



GZAIR Air Quality Monitor  
\$179.99



Kaiterra Laser Egg  
\$199.99

# Insights

Extensive use of bathroom during daily routine.

- Getting ready for the day

Access to weather and air quality.

- Asthma

Doesn't want it to just look like an electronic sitting on the wall.

- Clean aesthetic



How might we design an air quality interface that helps get ready for the day, but hides while not in use.

# Criteria

Needs to display air quality

Easy to clean

Blends in while not in use

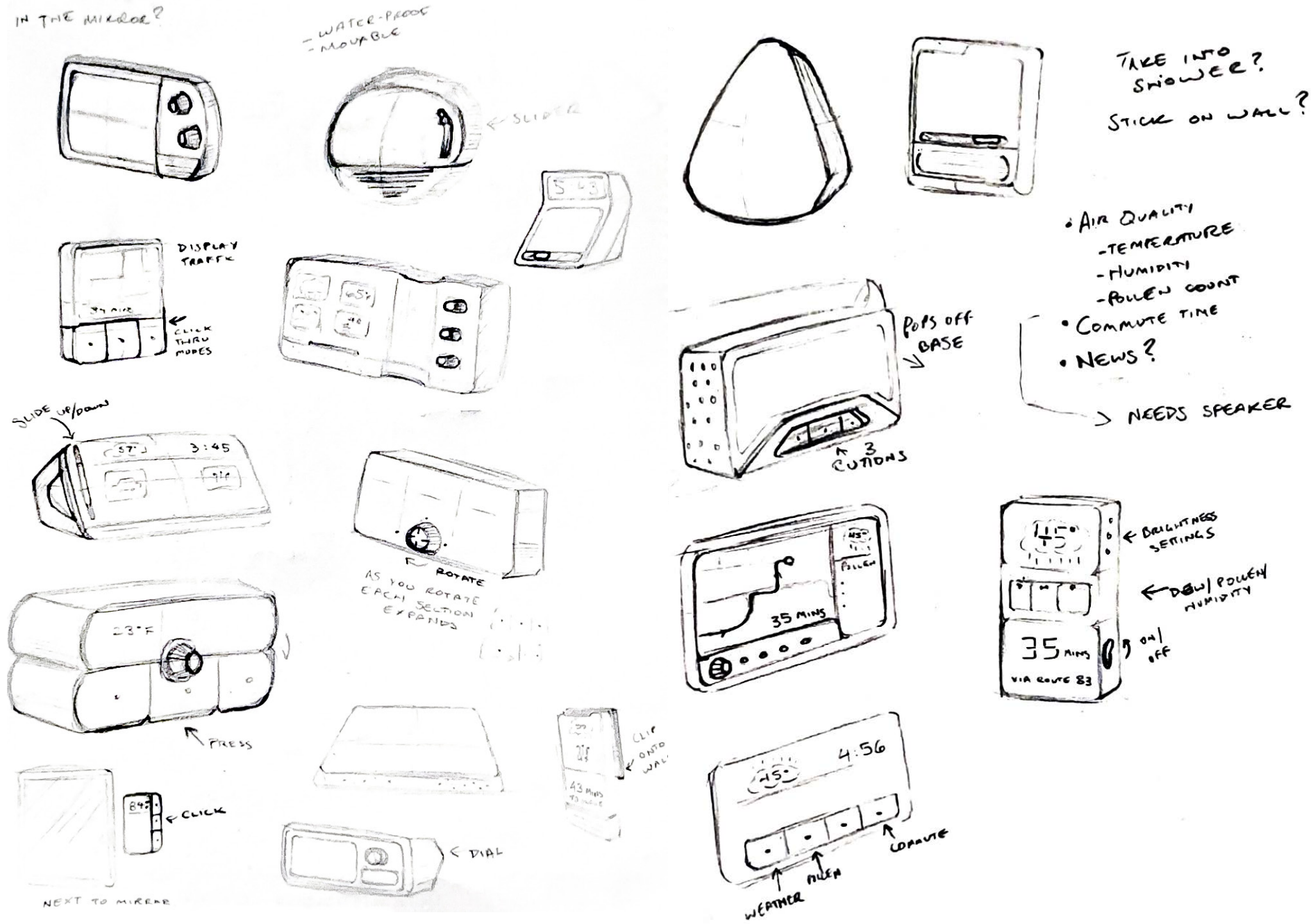
Inspired from bathroom tiles  
- clean aesthetic look

Lives in the bathroom

Minimal



# Ideations



# Follow Up

- Screen

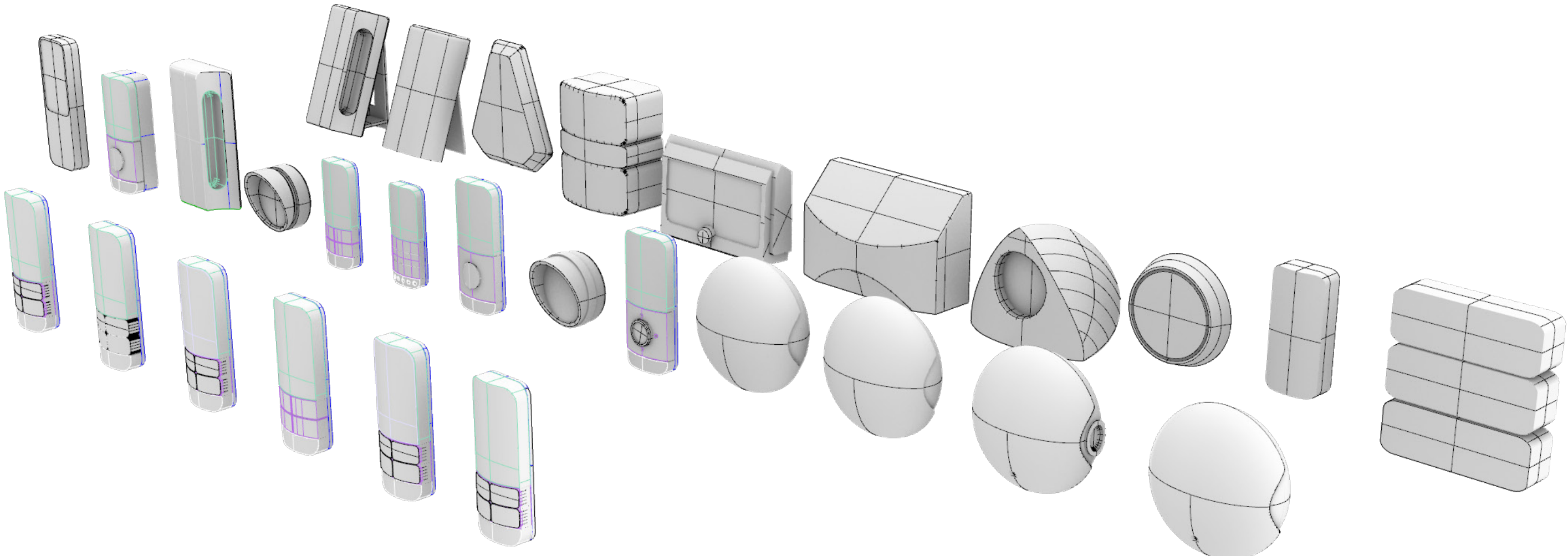
- LED lights behind material
- Seamless finish when turned off

- Power

- Easy access to change batteries?
- Want to avoid taking unit off the wall



# Refinement





The all new WÅHL  
at-home-interface  
allows accessibility  
to the outside world  
without having to  
leave your doorstep.

# Features

5 main buttons  
that display:

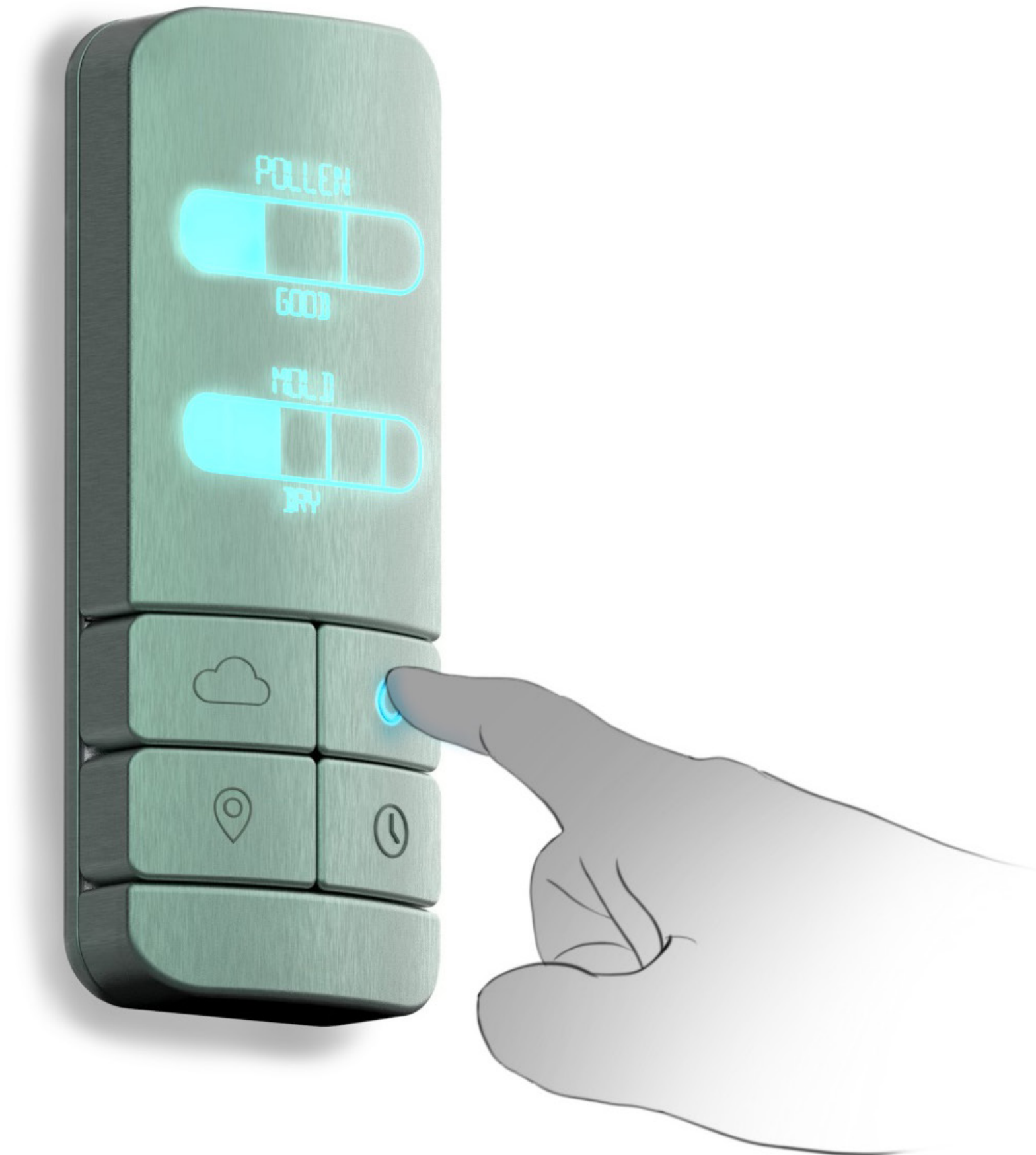
- Weather
- Pollen/Mold
- Commute Time
- Clock
- Turn Display on/off



# How It Works

Each button is touch activated.

- Upon activation the button icon will glow
- Adhesive strips on the back allow for placement at any location in the bathroom.



The WÅHL interface allows easy access to the battery compartment via removal of the front housing.

- No longer have to completely remove the unit from the wall.



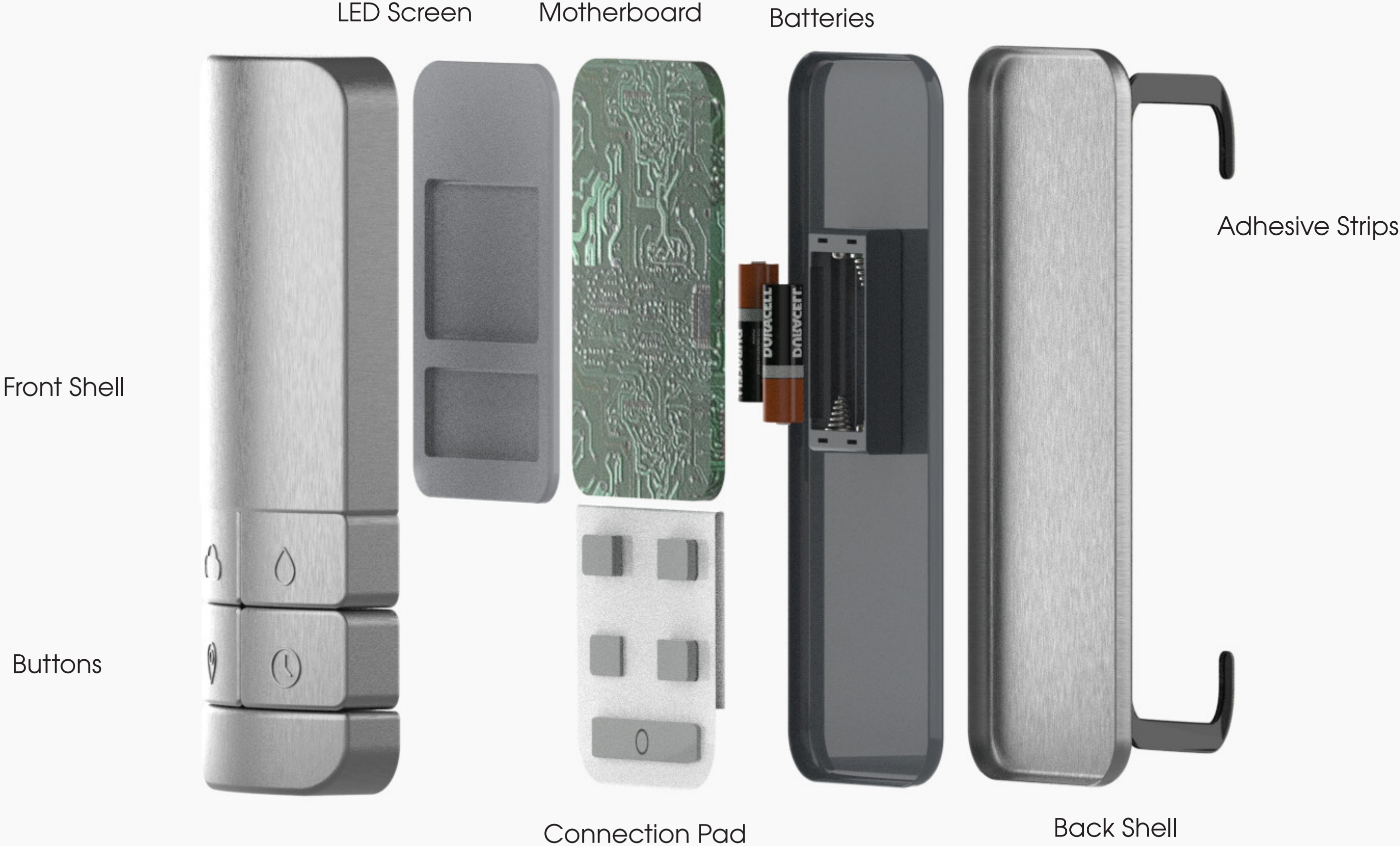
# Low Profile

Upon pressing the main button, the interface becomes hidden, showcasing WÅHL's sleek styling.





# Components



# CMF

The WÅHL offers brushed finishes that will fit with any modern bathroom.

- White
- Steel
- Sage
- Gold





Thank You

