

ADRIANA WARDLE

PORTFOLIO

INDUSTRIAL
DESIGNER





OLO

A CEILING FAN FOR TODAY'S MODERN FAMILY.
FOR PEOPLE WHO JUST WANT TO **MAKE**
LIFE SIMPLE AND SMELL FRESH.

3RD YEAR SPRING PROJECT | **TOPIC** CEILING FANS | **INDIVIDUAL** PROJECT | **DURATION** 3 MONTHS

The Olo is a smart ceiling fan that combines air freshening and **better airflow circulation** in a room and home. It features odor control, odor sensors, is **wifi enabled**, and is able to be connected to smart home systems such as Amazon's Alexa and Emerson's Sensi.

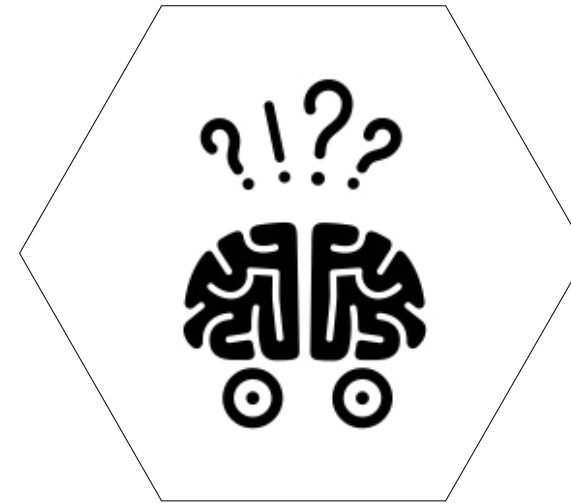
HOW MIGHT WE IMPROVE



INEFFICIENT
TOO EXPENSIVE



HYGIENE
PERCEPTION



NO QUALITY
SOLUTION

Bad Odors



Research

TARGET GROUP

Who?

CONTEMPORARY HOME OWNERS

FAMILIES / 3+ PERSONS

AGES 25 - 45

They are..

flexible - mobile
busy / on the go
social
looking for a simpler life



Project Goals

We want to...

make everyday easy

Are one of the most
energy efficient
appliances in a home

Have a reverse switch
that can circulate air
better throughout your
home

Can alleviate
uneven heat
between floors

Help generate more
comfortable and
even temperatures



Research



4-5

FANS PER HOME

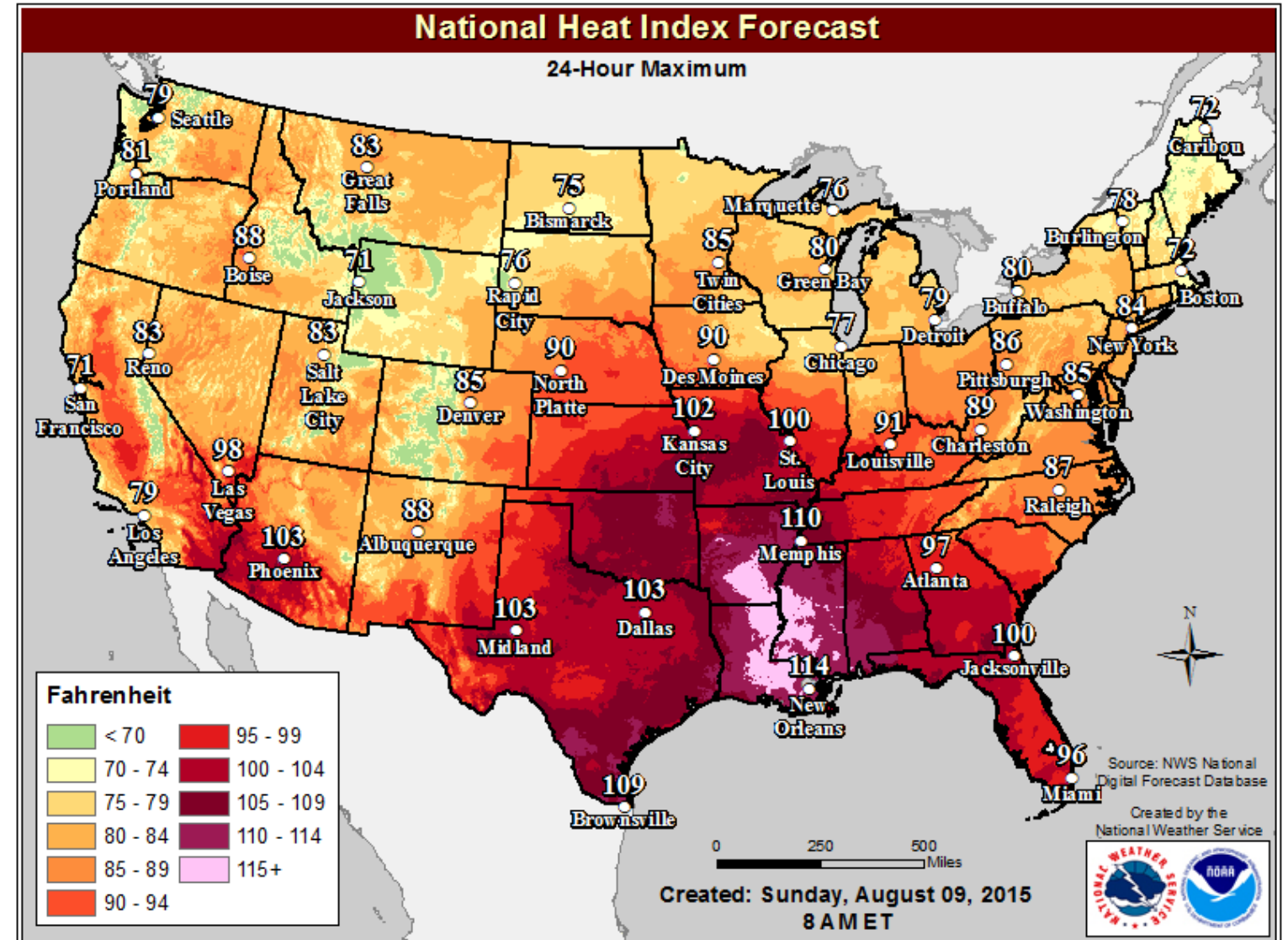
1.2 MILLION

NEW HOME
BUILT IN 2016

National Heat Index Forecast

Emerson gave us the facts about how they sell more fans to the southeast. We provided a heat index of the US

According to Legacy Homes, regionally the southeast has a high heat index, so there's a higher concentration of ceiling fans in homes.



Competitors

APACHE FAN FEATURES

- "WHISPER WIND"
- LED BULB
- HANDHELD REMOTE
- WIFI ENABLED
- APPLE HOME KIT

\$399



HAIKU FAN FEATURES

- HAIKU HOME APP
- "WHOOSH" MODE
- SLEEP MODE
- SCHEDULE FAN
- CUSTOM SPEED RANGE
- TIMER
- COMPATIBLE WITH AMAZON ECHO

\$1,045 - \$2,449



Circulation of airflow throughout the house will work at its most efficient state.



Instead of constantly worrying about the house's smell, the Olo gives you back that time to spend with

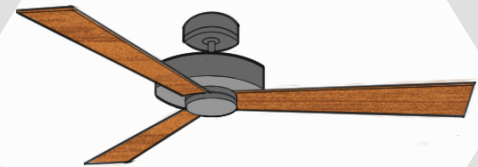
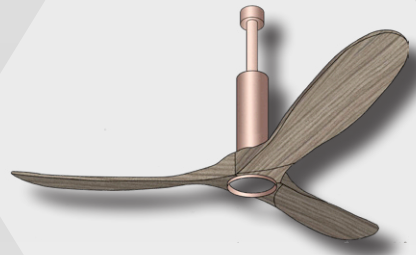


With a scent system, the Olo allows you to not have to buy barely working wall plugins.



Connected to the Sensi or Alexa, your smart home ceiling fan system will work from your phone.

IDEATION

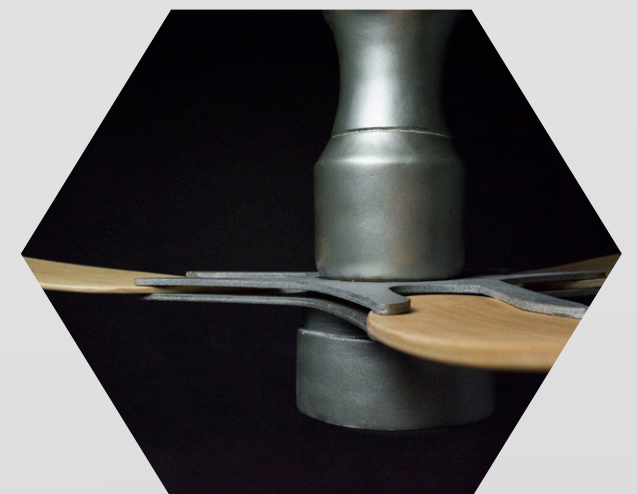
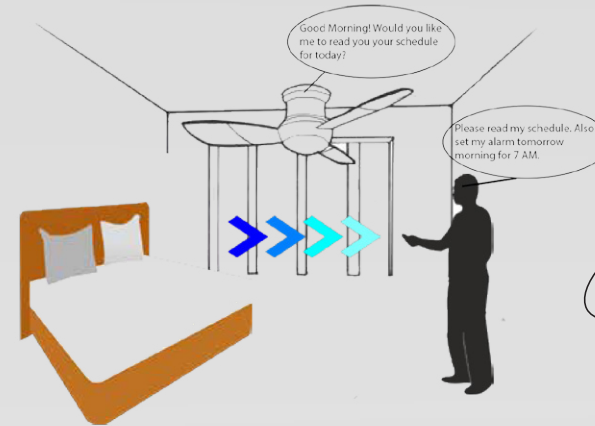
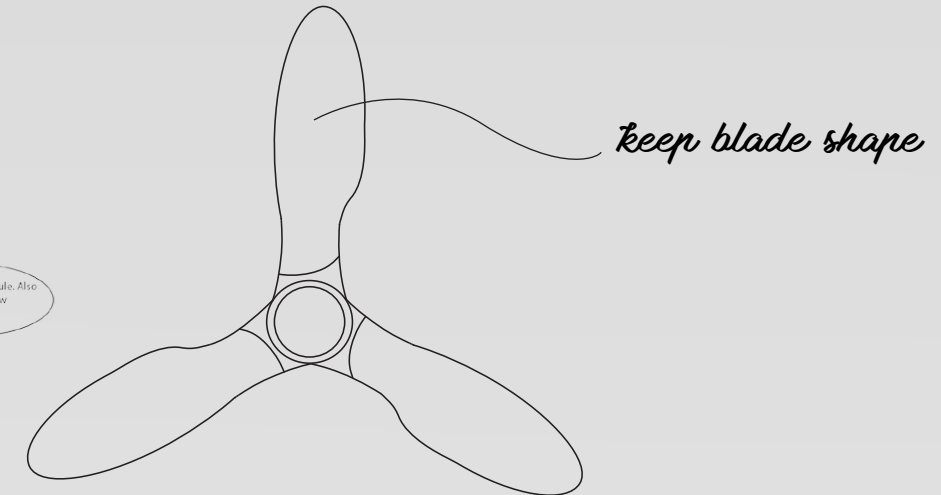
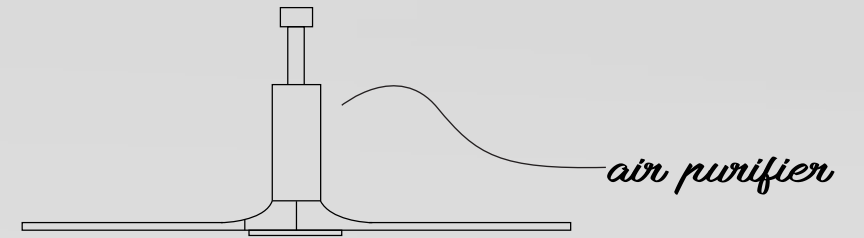
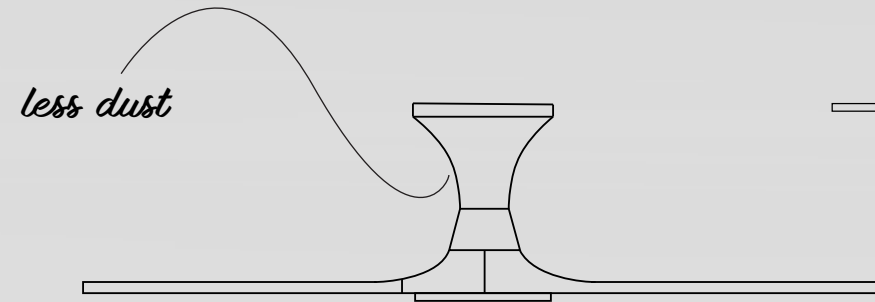


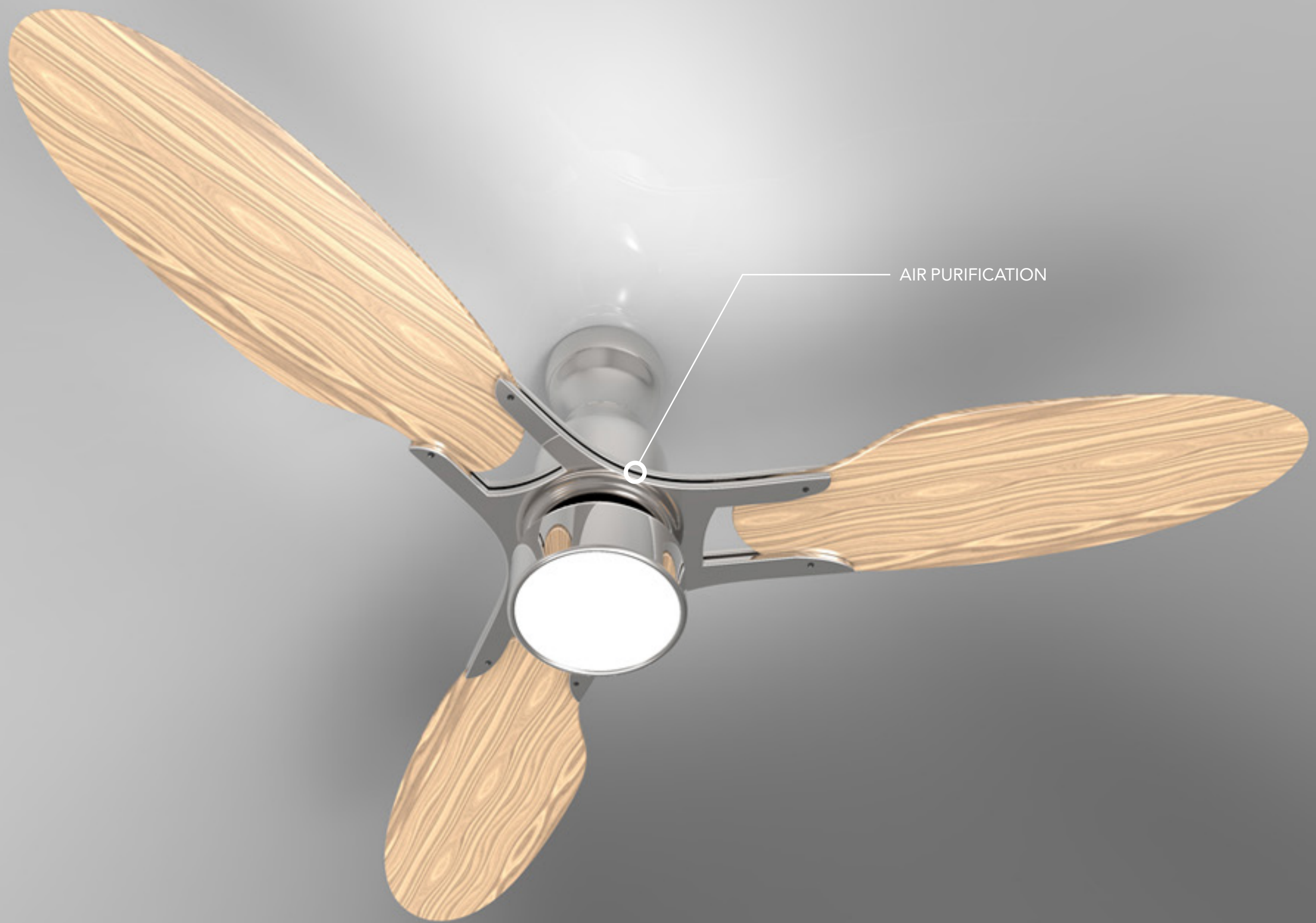
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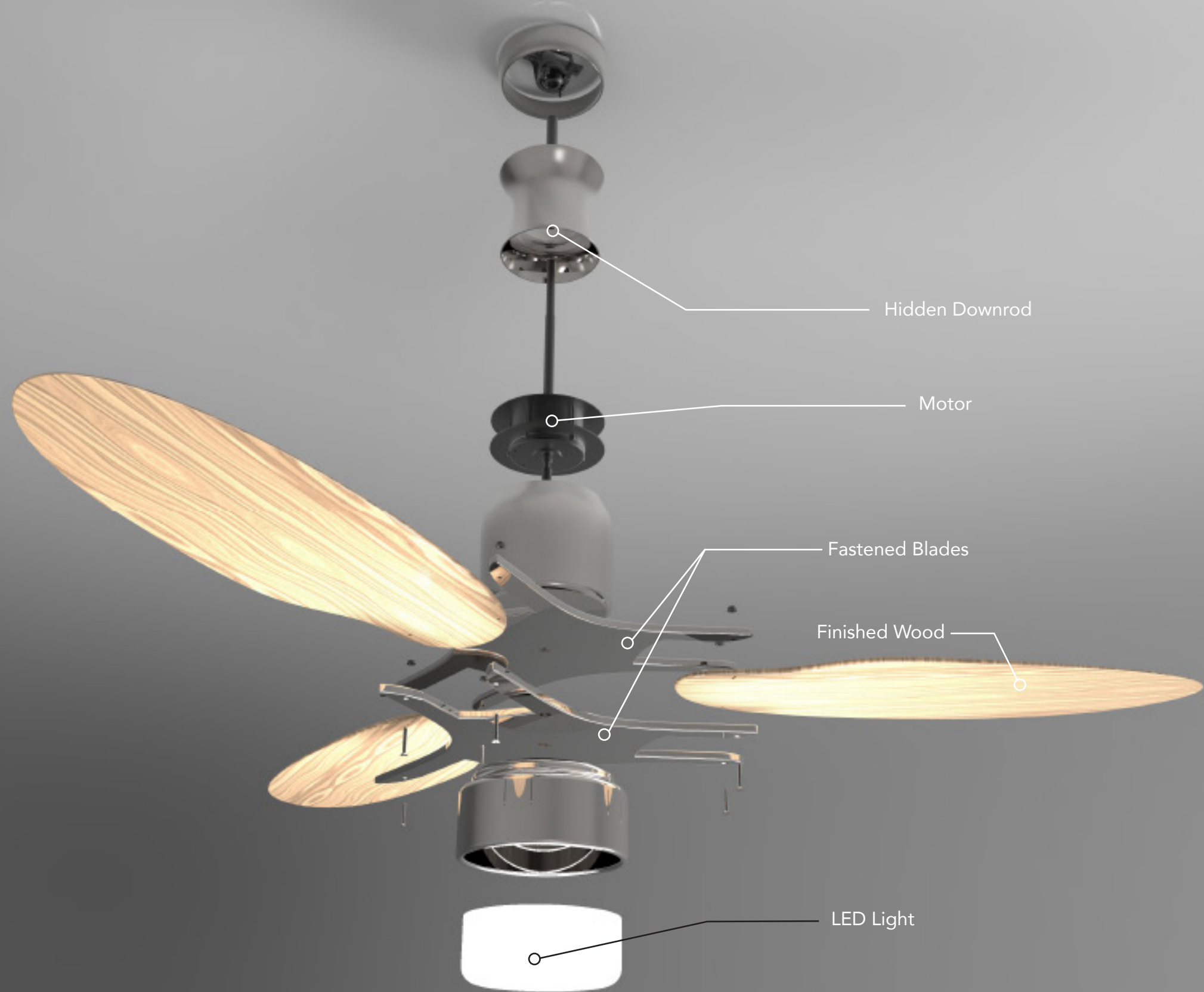
keep downrod cover

remove light cover





AIR PURIFICATION





PRO TEAM AUTONOMOUS VACUUM

3RD YEAR SPRING PROJECT |
TOPIC AUTONOMOUS VACUUMS |
TEAM PROJECT |
DURATION 6 WEEKS |



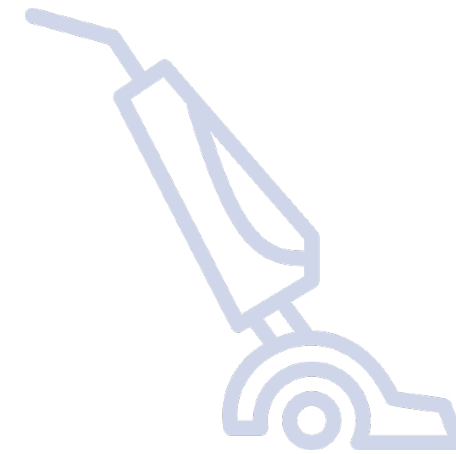
PROBLEM



Transportation of large
equipment



Time consuming
mundane tasks

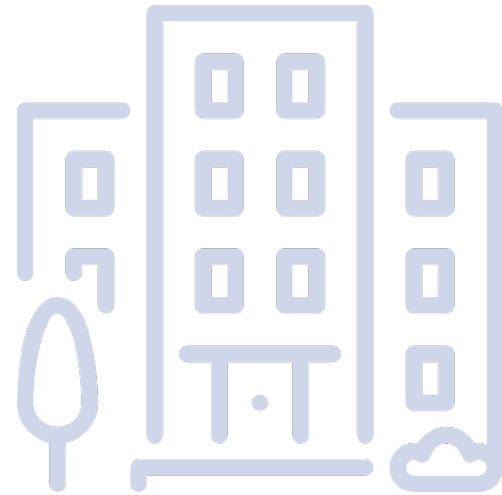


Large facilities
are cleaned with
residential equipment

PROJECT BRIEF

Emerson Tool Company wanted an **autonomous vacuum cleaner** that could clean office spaces **without supervision**, long **battery life**, and work alongside the janitorial staff of many buildings and offices.

TARGET GROUP

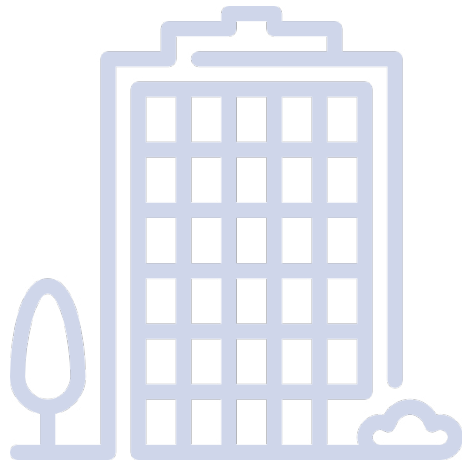


OFFICE SPACES



JANITORIAL
STAFF

FIELD RESEARCH



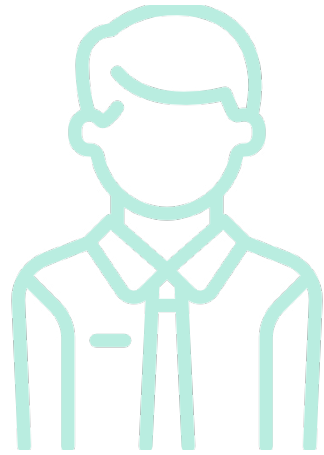
CLEANING SOLUTIONS
Auburn, AL



**CSI CLEANING &
RESTORATION**
Opelika, AL

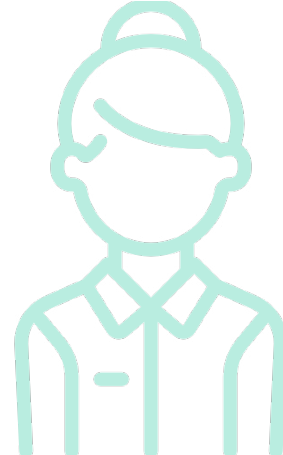


JAN-PRO
Columbus, GA



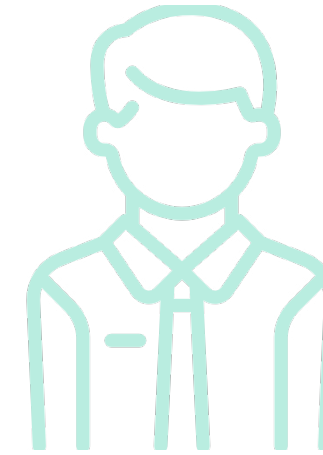
**CSI CLEANING &
RESTORATION**
Opelika, AL

- » Clean local storefronts and office spaces.
- » 8 employees
- » Traditional manual cleaning methods - no autonomous equipment.



CLEANING SOLUTIONS
Auburn, AL

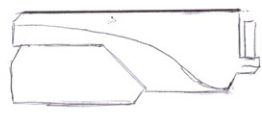
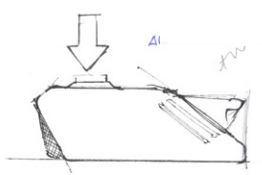
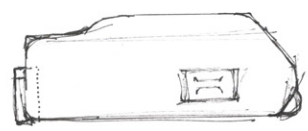
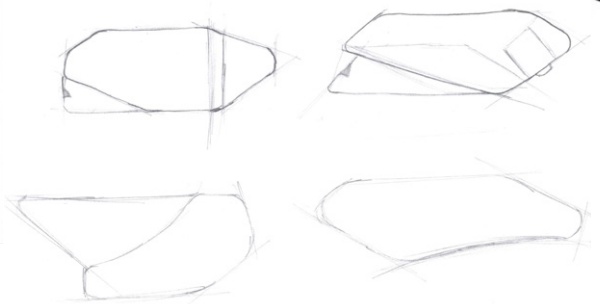
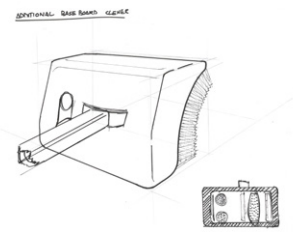
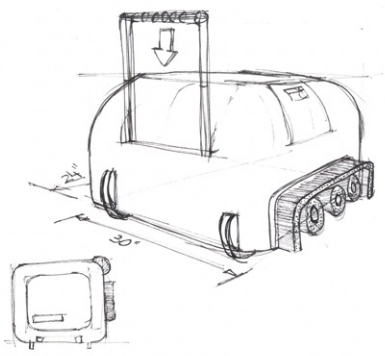
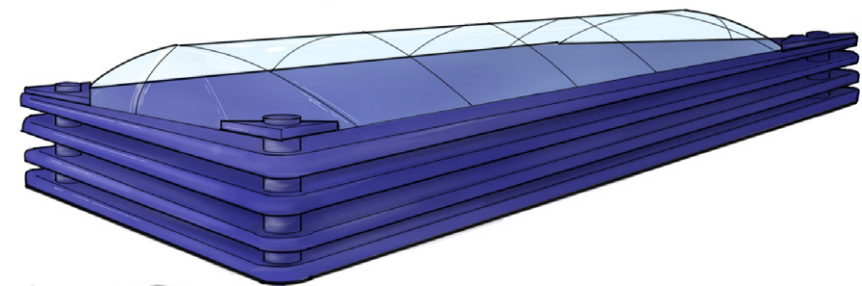
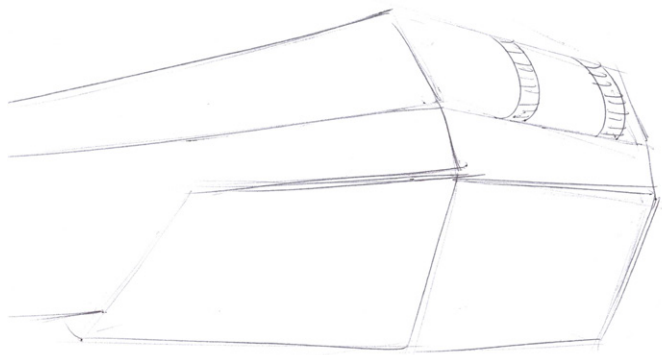
- » Clean industrial office space and production facilities.
- » 14 employees
- » No autonomous equipment



JAN-PRO
Columbus, GA

- » Clean factories, industrial office spaces, medical centers, and many more.
- » 70 employees
- » Some of the machines the use are a vacuum (Pro Team), automatic scrubber, carpet cleaner and a wet/dry vac.

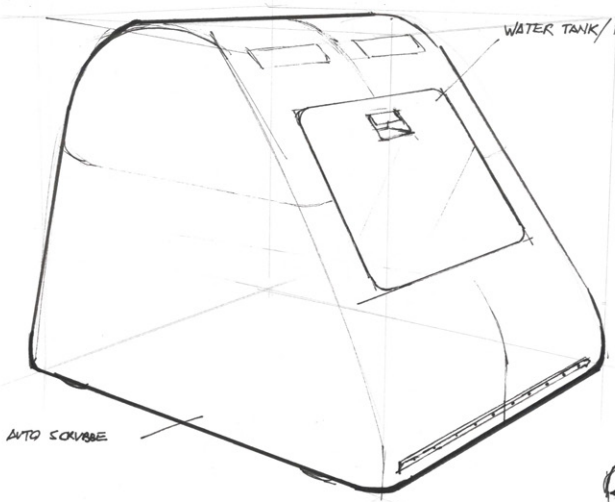
DEVELOPMENT



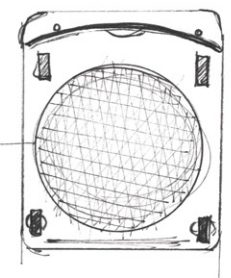
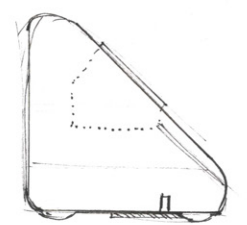
ALL IN ONE VAC

CONTROL CENTER

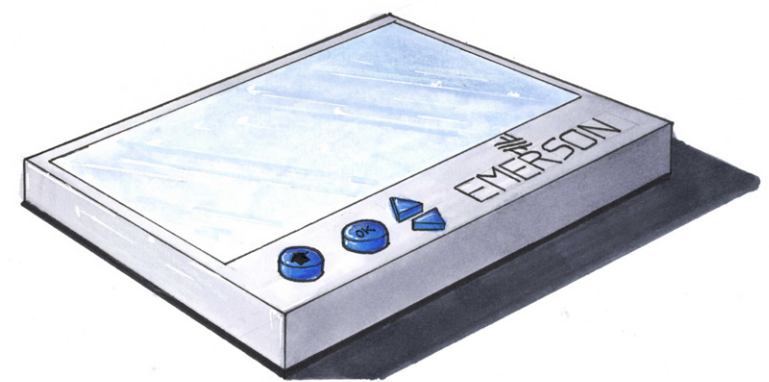
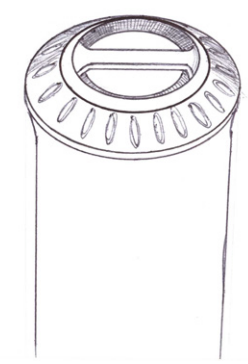
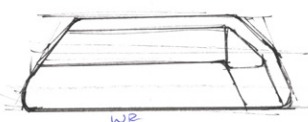
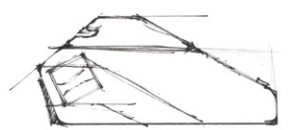
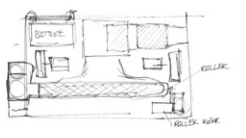
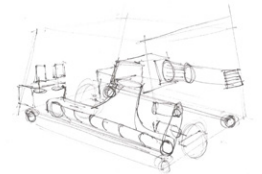
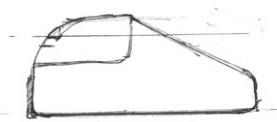
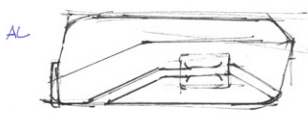
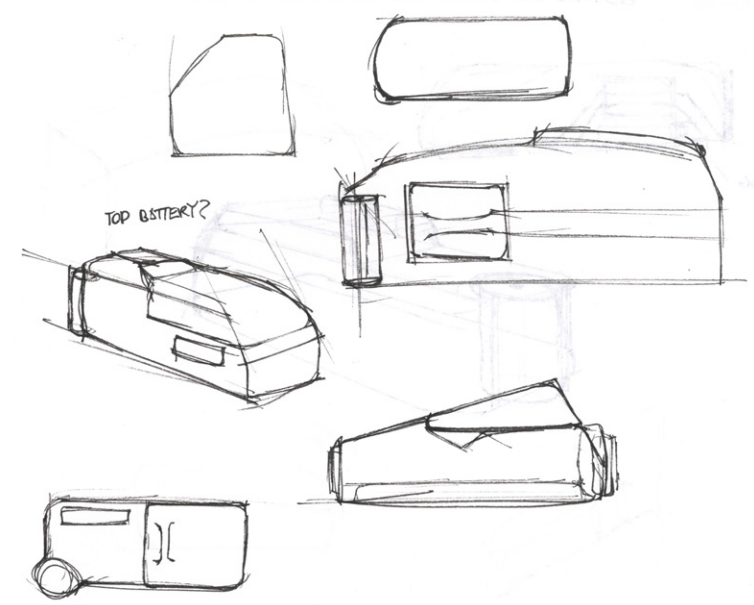
WATER TANK / FILTER ROD

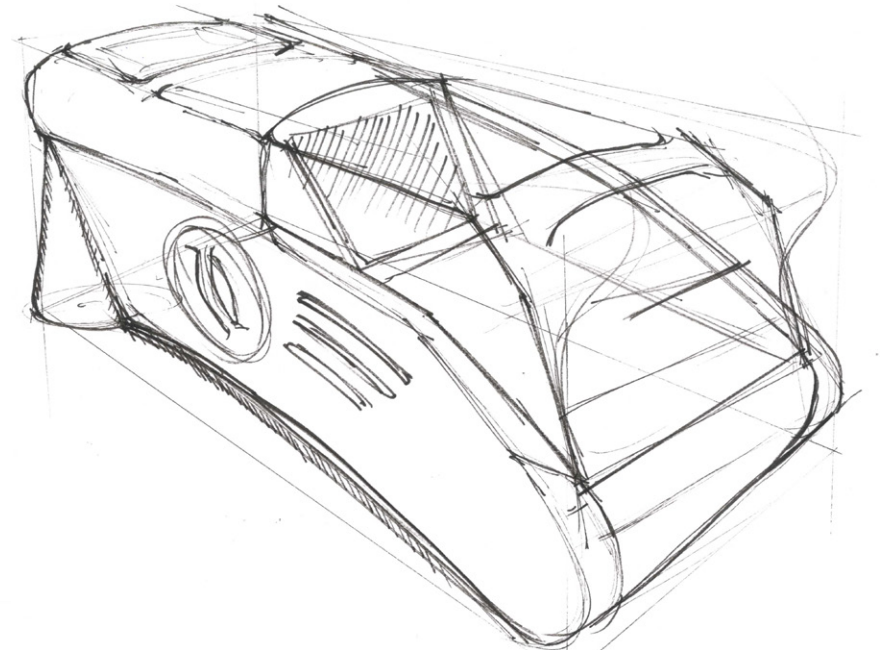
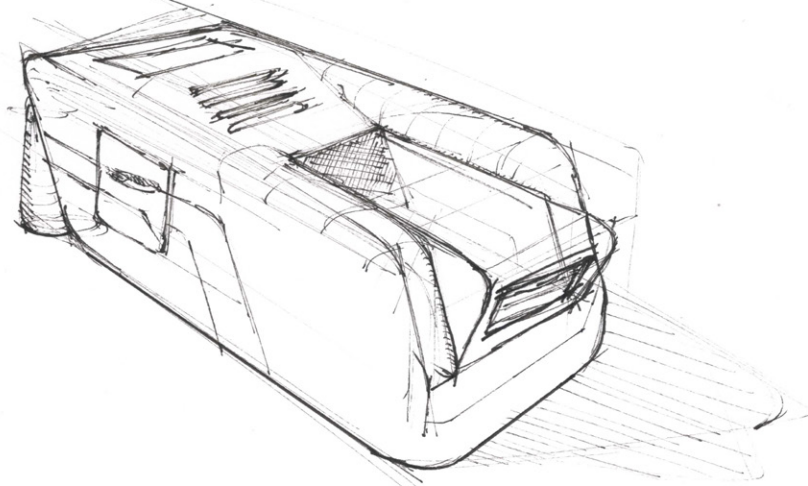
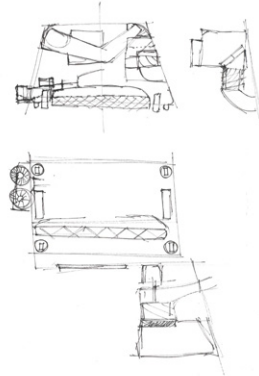


AUTO SOURCE

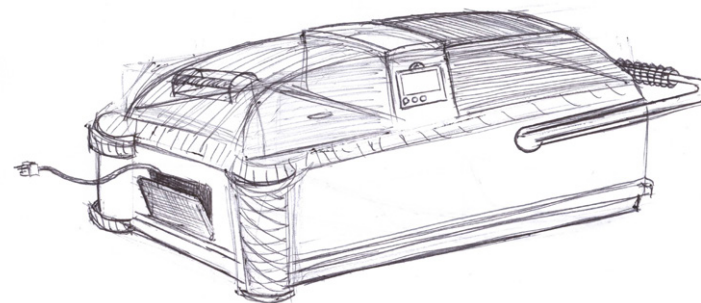
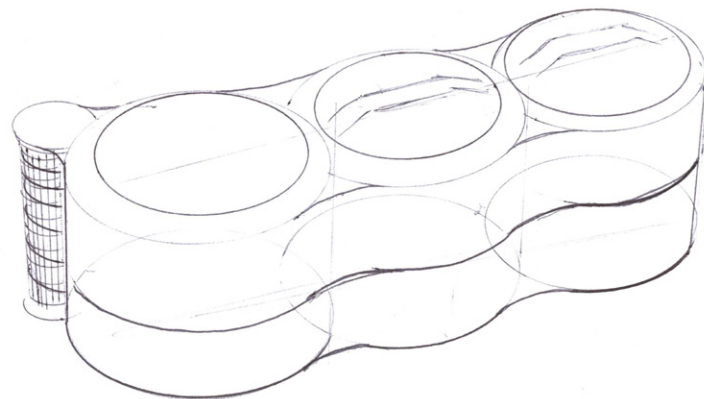
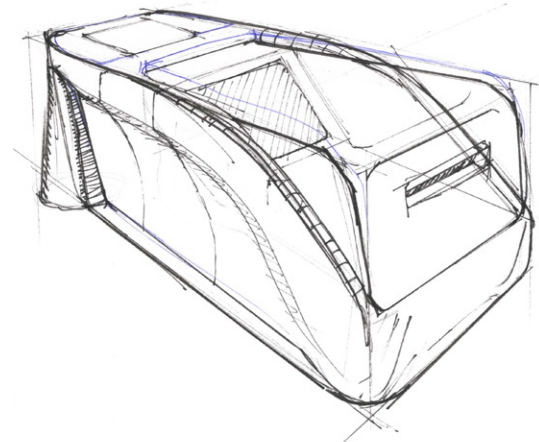
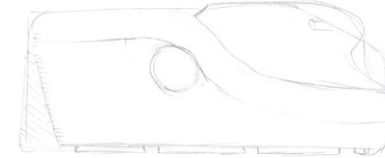
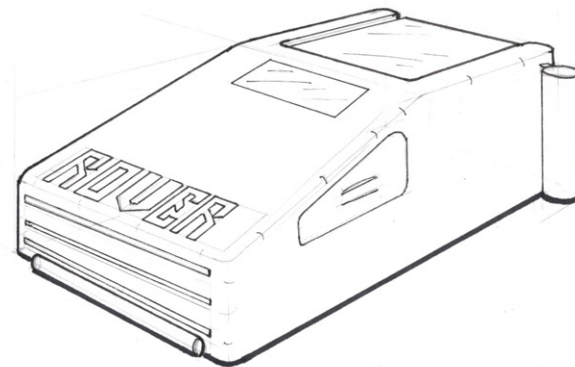
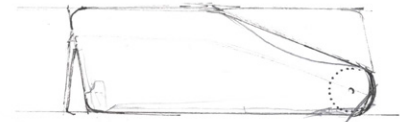
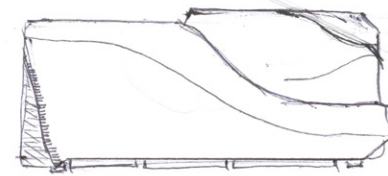
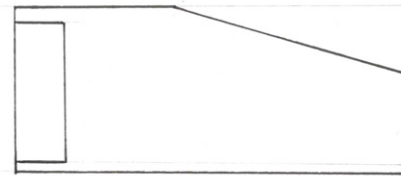
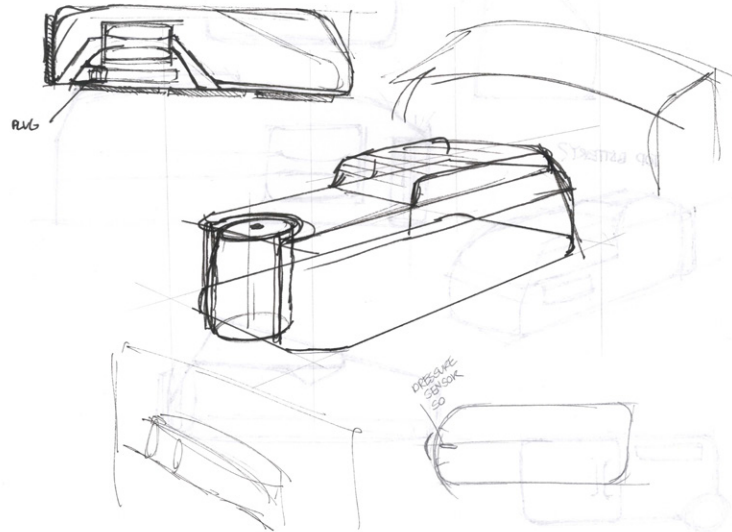


TOP BATTERY?





BATTERY CASE EVERYTHING WITH REMOVABLE PART HAS FORM AND VISUAL KEYS



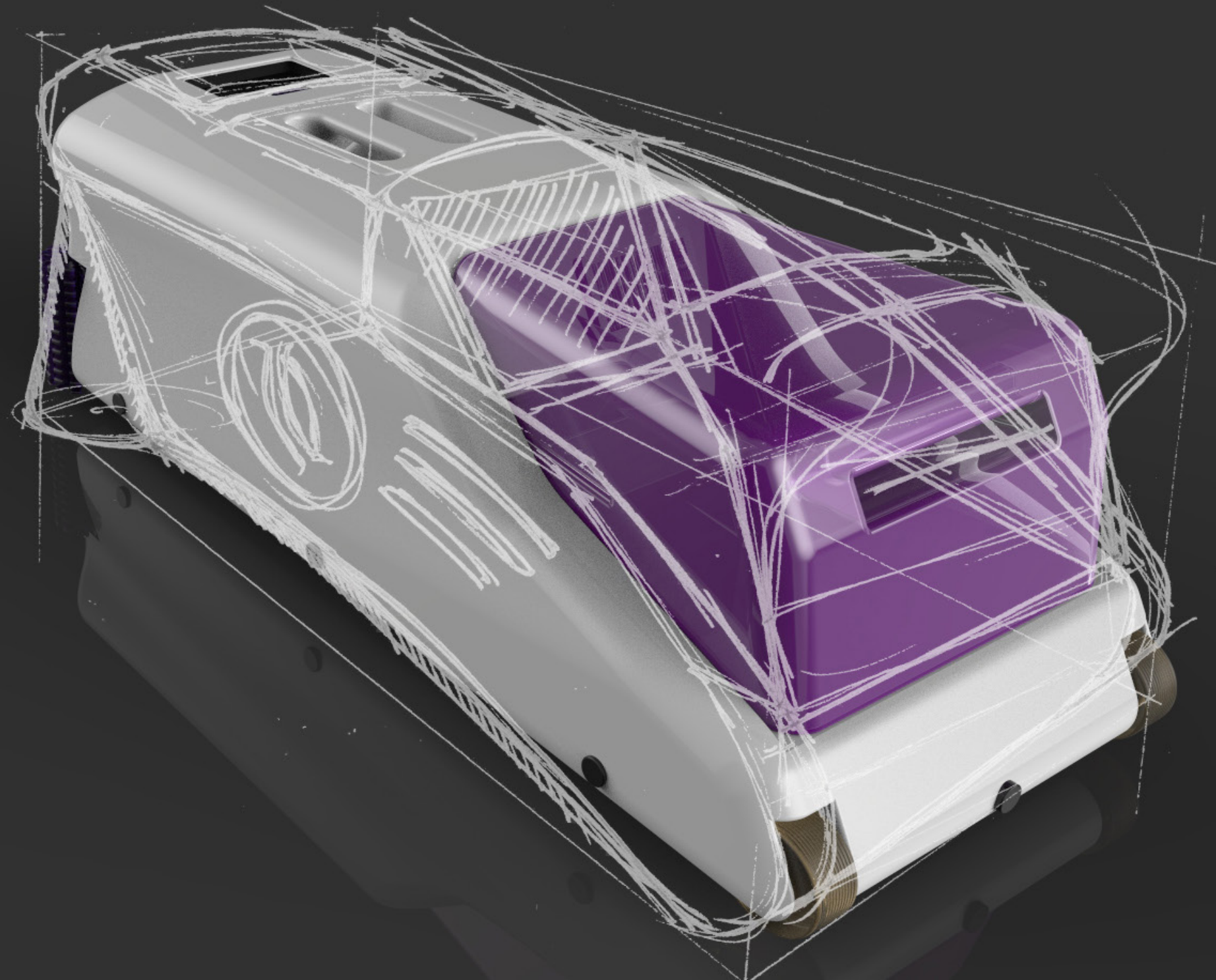
IDEATION

PROTOTYPES





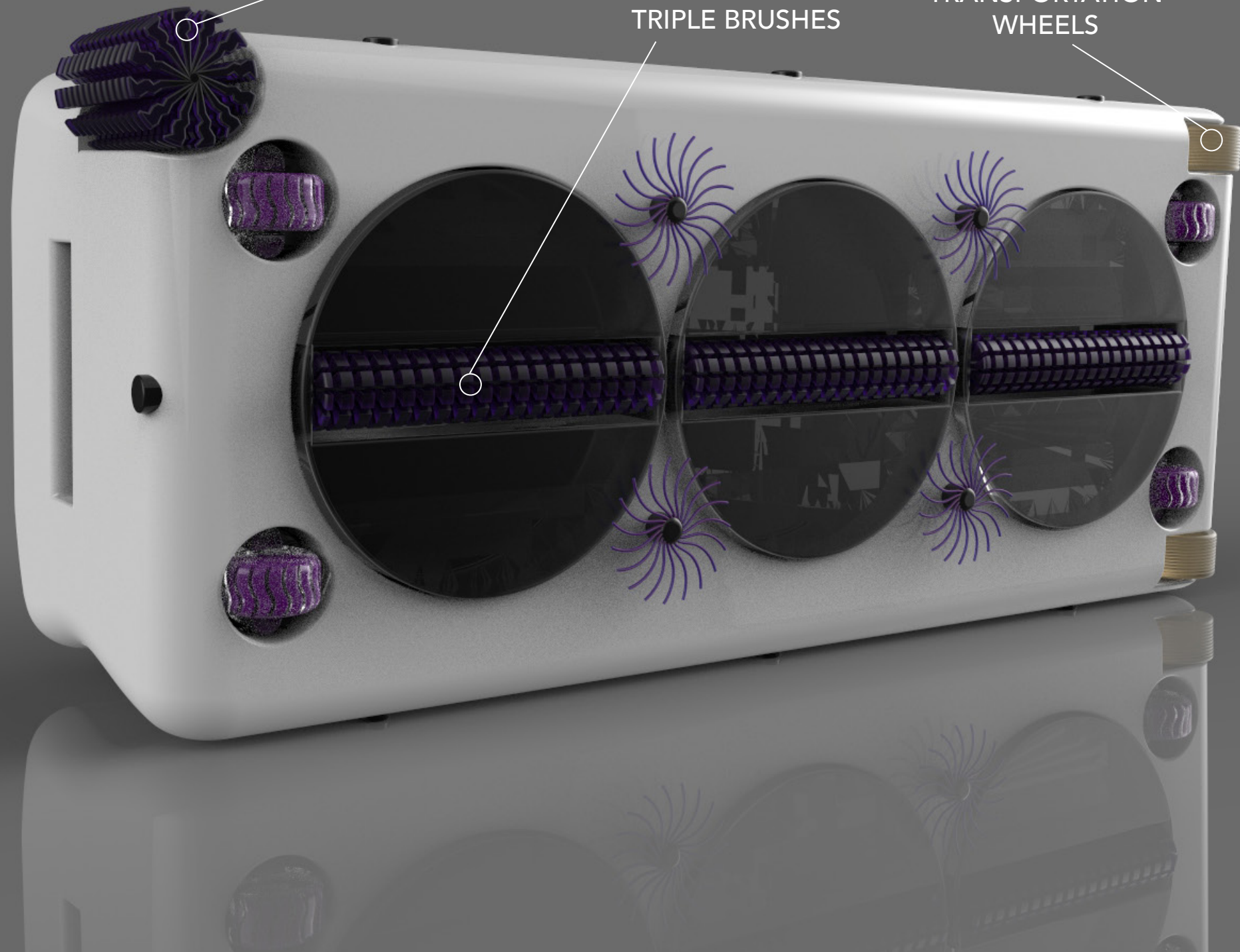
FINAL DESIGN



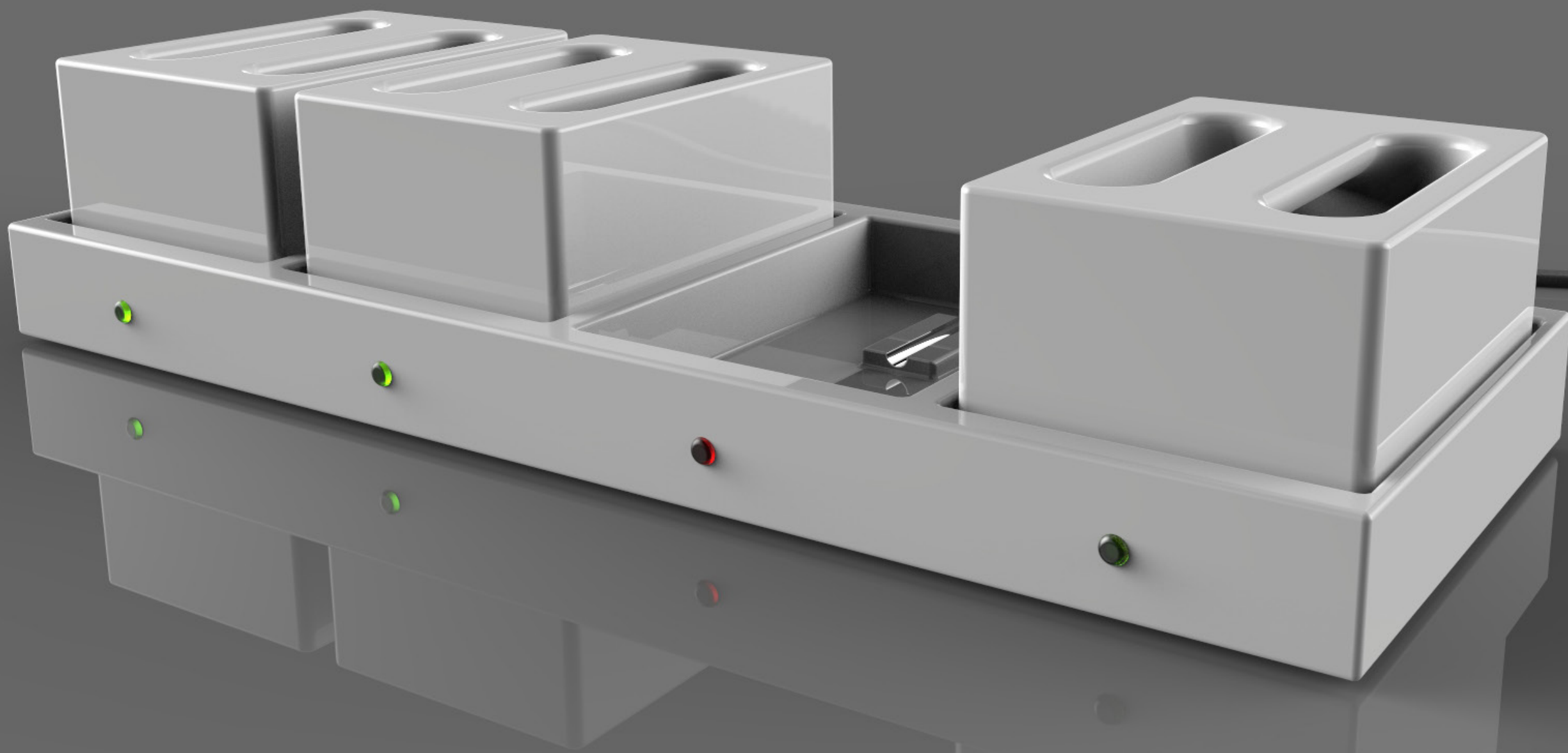
BASEBOARD BRUSH
AND VACUUM

TRIPLE BRUSHES

TRANSPORTATION
WHEELS

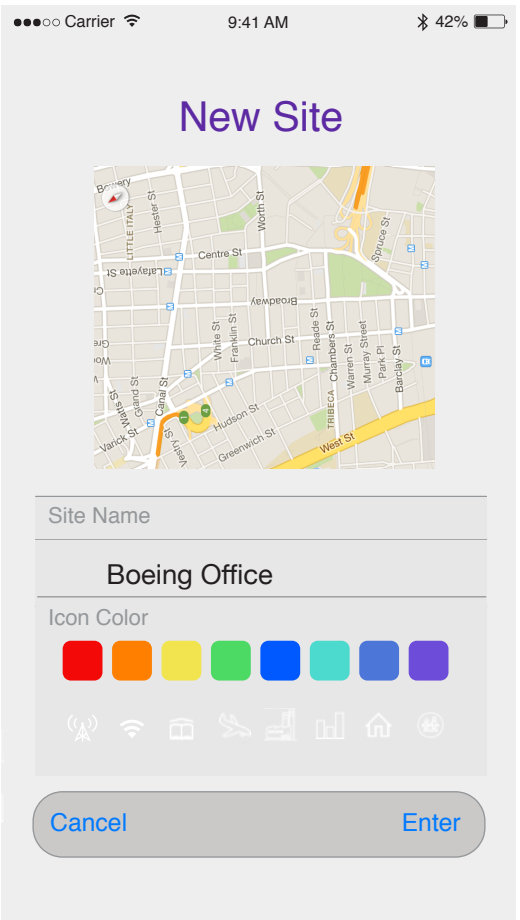
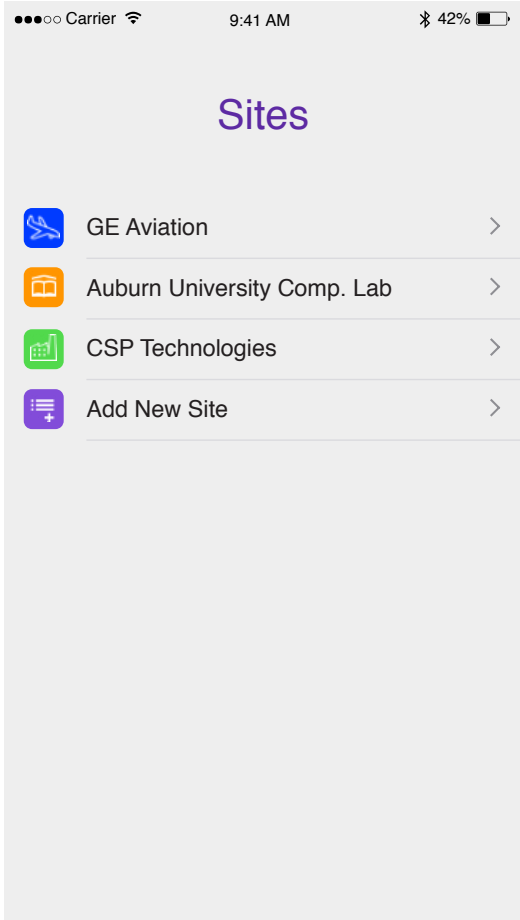
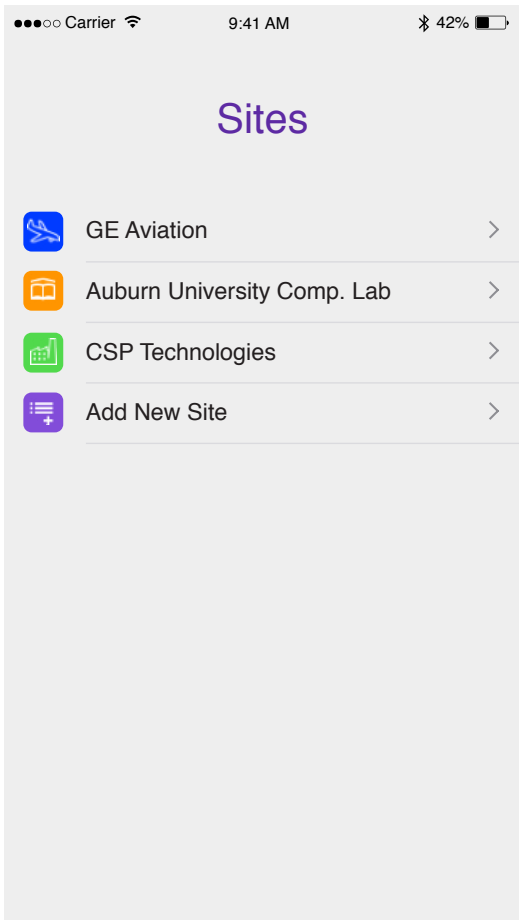
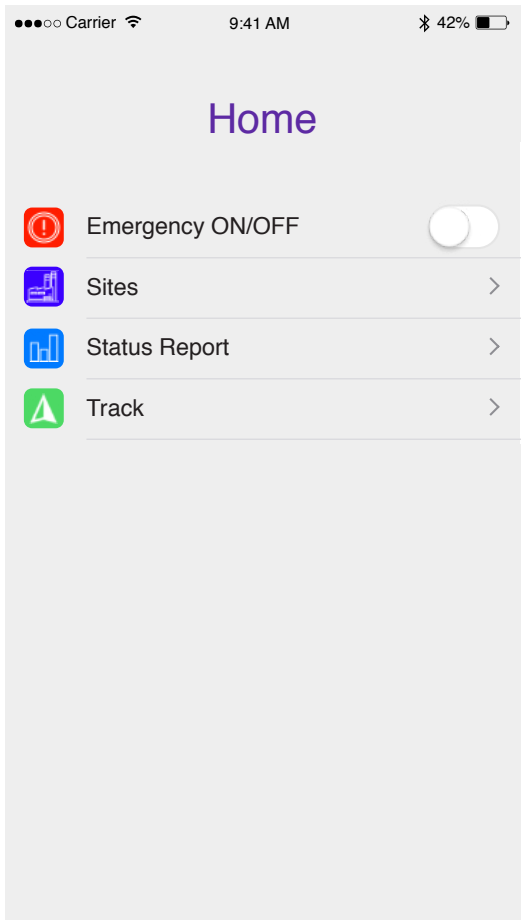


Battery Charging Station






APP SYSTEM



Carrier9:41 AM42%

New Site



Site Name

Boeing Office

Icon Color

Cancel

Enter

- Carrier9:41 AM42%

Sites

GE Aviation

Auburn University Comp. Lab

CSP Technologies

Boeing Office

Add New Site

Carrier9:41 AM42%

Boeing Office



LEARNING

BACK

Carrier9:41 AM42%

Boeing Office



READY

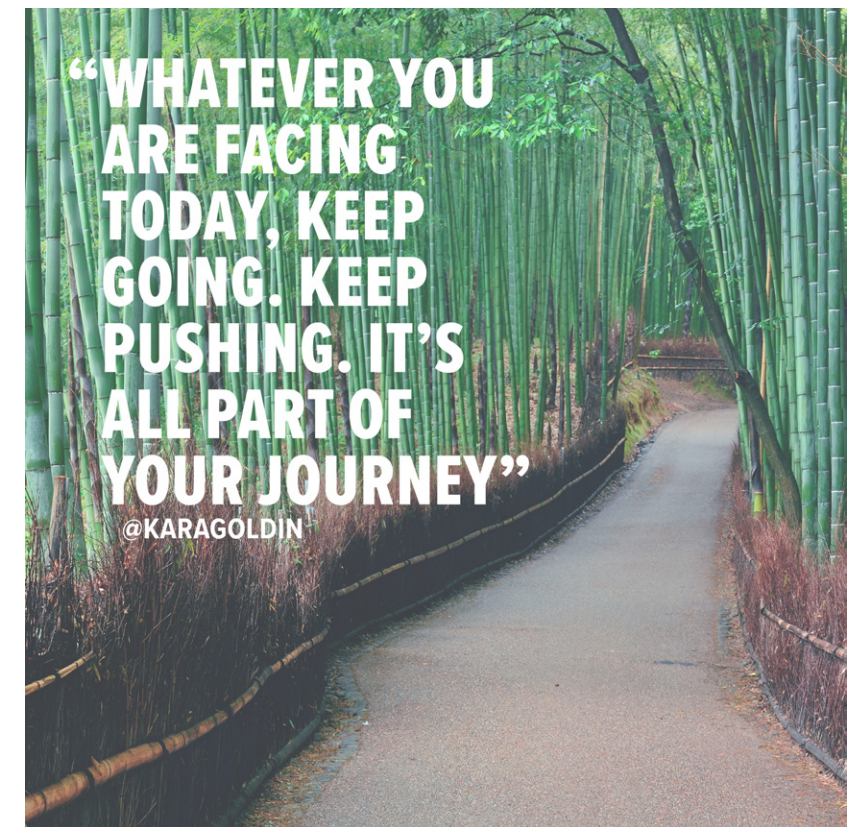
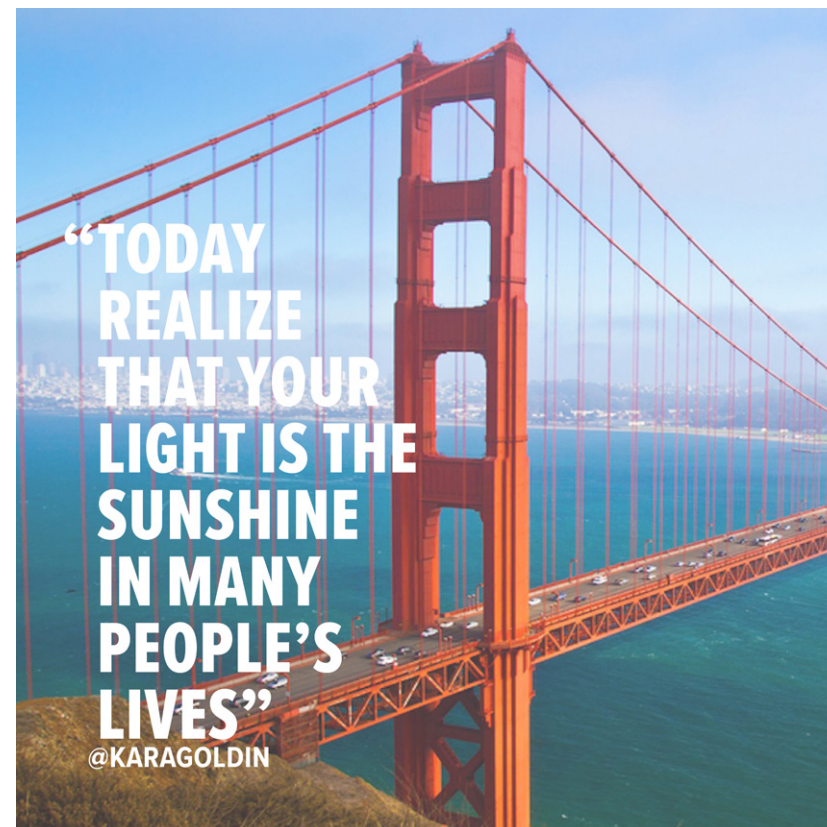
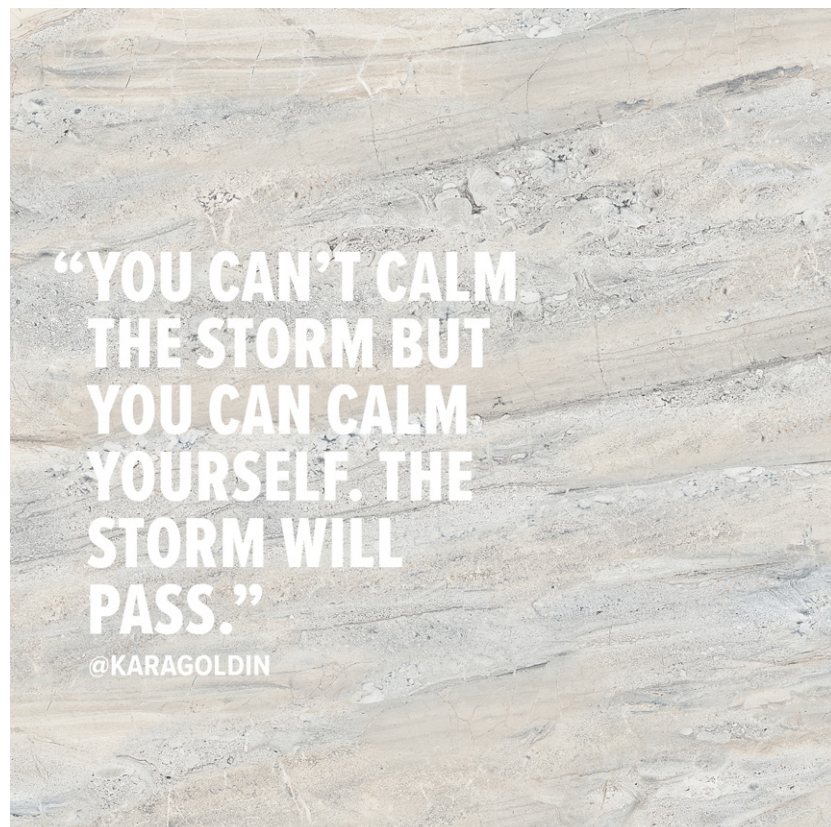
BACK

GRAPHICS

FALL 2017 |
COMPANY HINT WATER |

I'VE BEEN CREATING
CONTENT FOR **HINT**
WATER AND FOR THE
CEO **KARA GOLDIN'S**
INSTAGRAM





SPRING-FALL 2017 |
ORGANIZATION AUBURN
PANHELLENIC ASSOCIATION |

*I'VE BEEN AUBURN
PANHELLENIC'S
DIRECTOR OF SOCIAL
MEDIA GRAPHICS
CREATING CONTENT FOR
THEIR SOCIAL MEDIA
PLATFORMS*



SPRING-FALL 2017 |
ORGANIZATION AUBURN
PANHELLENIC ASSOCIATION |



PHOTOGRAPHY

*THESE ARE A FEW OF MY FAVORITE SHOTS THAT I HAVE
TAKEN THROUGHOUT THESE PAST TWO YEARS FOR A
CLASS OR JUST FOR FUN.*

