

PORTFOLIO

Sirui Wang



2020 - 2022

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2020 JUN - SEP / SOLO WORK

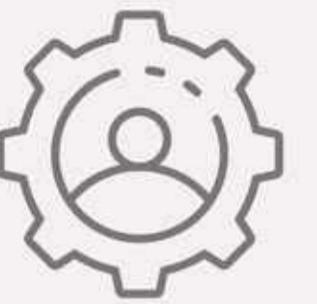
LAX E-CURTAIN

PRODUCT EXPERIENCE DESIGN

This project provides families with home projectors with an intelligent curtain space in bathroom. By observing current lifestyle trends and rapid pace of work and life, a new and healthy lifestyle combining meditation, nature and others is promoted. The design is based on smart curtain product, but innovative in experience creating and corresponding service supply. Projector brands such as GIMI are partners.

LIFESTYLE AND TECHNOLOGY TRENDS ANALYSIS

LIFESTYLE CHASING



Personalized needs



KOL builds relationship with consumers and provides personalized services



"**Personality**" means **style**. The living space of a casual person tends to be peaceful and comfortable



Environmental friendly and healthy



People pay attention to **energy saving**



Intelligent



Smart home helps people keep balance between home life, work and study, and makes people free hands, save time and enjoy better life

TECHNOLOGY UNDERSTANDING

Smart home is a fast-growing market. According to Statista, its revenue in the U.S. amounts to almost US\$28 billion in 2019 and shows a steady increase of 12% every year. Five main technology applications are shown.



Improvement in safety equipment and level



Iot



AI



Smart grid and off-grid control

Voice control

CORE SCENE STUDY--BATHROOM

WHY BATHROOM

Nowadays, the **bathroom space** is gradually transforming into a **lifestyle space**, and the function of the bathroom is expanded into a **private spa**. With the rapid development of urban population and industry, the number and density of urban buildings have increased sharply, which means the **shrinking of self-space**. Bathroom is a personal space isolated from the outside world for legitimate reasons, where you can **organize yourself, empty yourself, think and enjoy tranquility**. After a busy day, you can find **privacy, care and peace** here

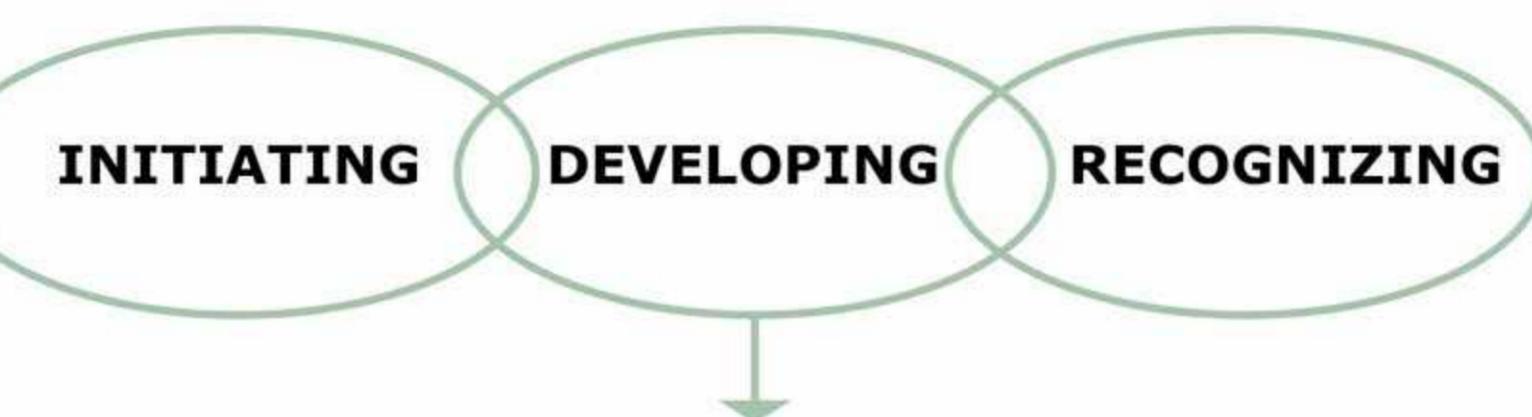
- NEEDS**
- Privacy
 - Quiet and peaceful environment
 - Thinking and self-emptying
 - Physical and mental healing

THE SPECIFIC SCENARIO

Home spas allow people to fully relax and de-stress. A warm bath can improve mental and emotional health, soothe muscles and joints and help heal wounds

DESIGN VISION

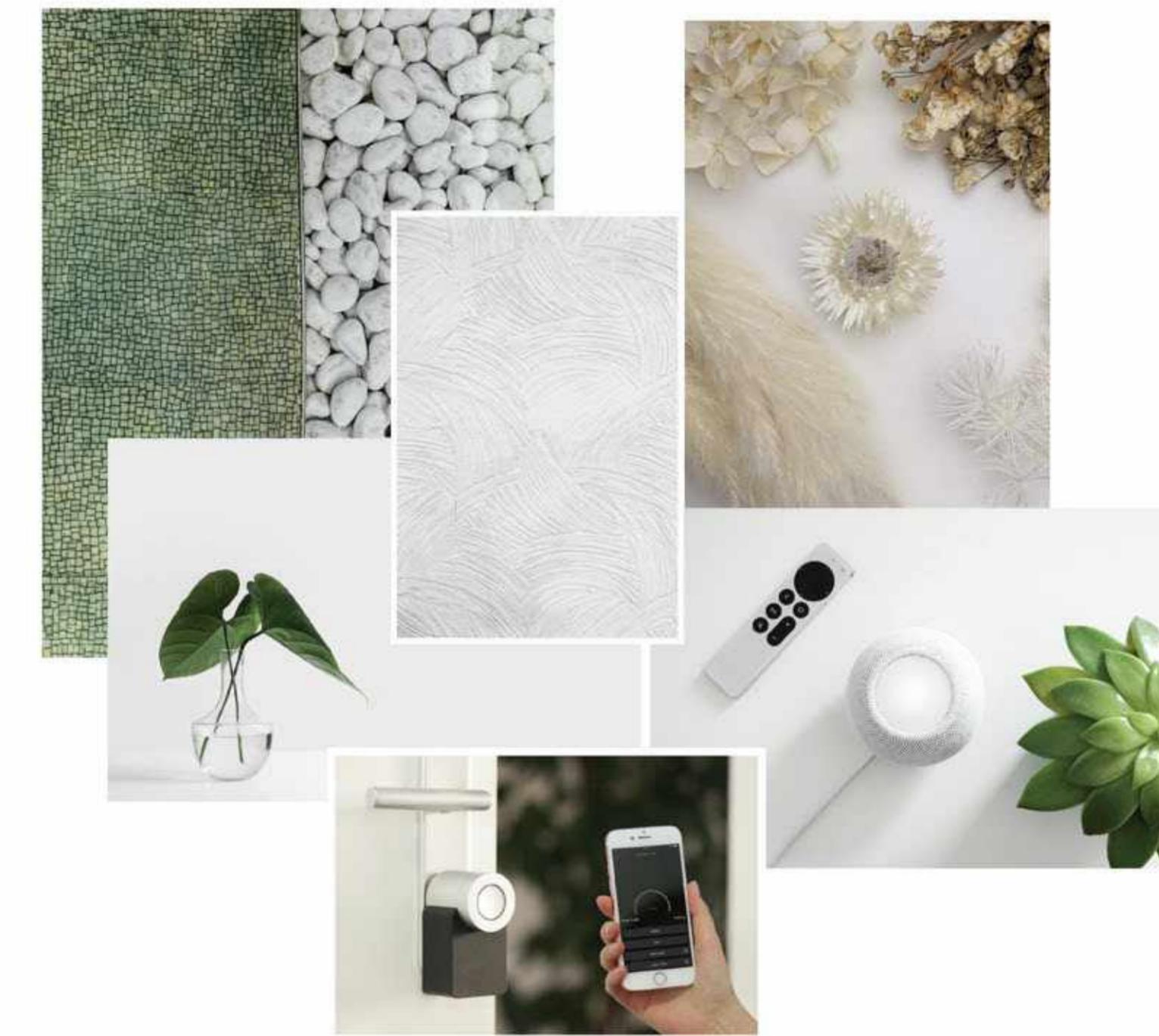
"The Butterfly Effect of Design: When the Lifestyle Becomes the Design Object" mentions a lifestyle design method--**IDR: Guide the ideal lifestyle** instead of solving the specific pain points in the current life context or satisfying a specific demand. The whole method runs through three main processes: initiating, developing and recognizing.



Take the bathroom as the scenario, take the bath as the specific behavior and create a private and natural atmosphere with the help of intelligent technology, guiding people to relax and rest both physically and mentally, thus advocating a healthy and comfortable bathroom lifestyle



BATHROOM DESIGN STYLE TRENDS

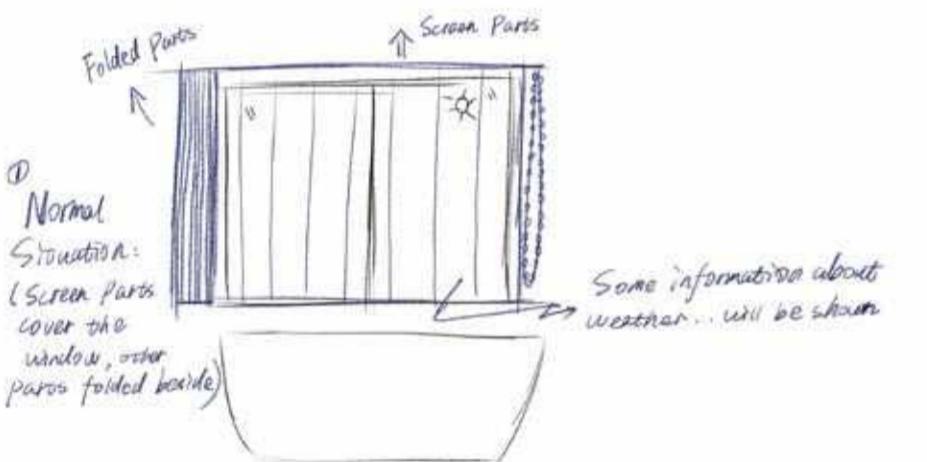


The design trend includes nature, sustainability and intelligent technology, which considers raw material, plants ornament; recycled material; invisible technology and intelligent control.....

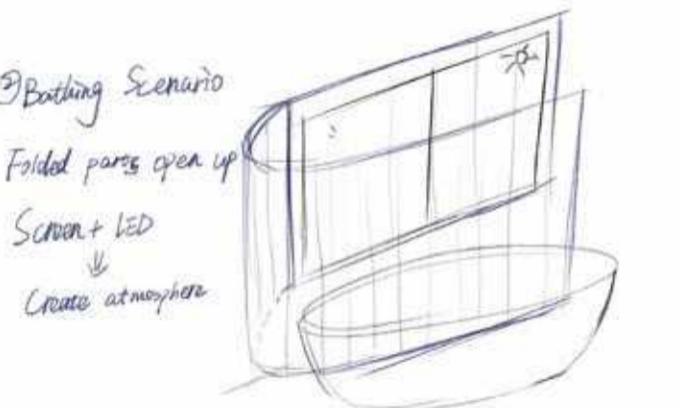
INITIAL IDEAS AND CONSULTATION

INITIAL SKETCHES

Based on previous research, an intelligent curtain is considered to be designed, which aims to improve bathtub experience by applying some technologies.



Blinds covered on window are **hard screens**. Commonly, they are **flat with information like weather condition** displaying on it. Additional pieces are folded aside in this mode.



When taking bath, the folded blinds will be unfolded, to form **an enveloping screen, showing pictures or videos**, thus creating an atmosphere. Such blinds are made of **soft screens and LED pieces**.



The third mode is to provide a **sunshine bath** at the same time without leaking pravicy. Blinds tilt a small angle to let strands of sunshine in.

POTENTIAL USER FEEDBACK



Worries

1. Some people **don't like sunshine** and such mode won't be used too much because most people take bath at night
2. **Materials** need to be considered to be water-proof
3. There are so many screens, what about the **price**?
4. Don't know if the pieces of seperate blinds can create a nice **screen effect**.
5. An enveloping curtain may makes people feel depressive. Does it really necessary?
6. Maybe **Ipad or projection** can subsitue such large screens? Such devices are **more common at home**.
7. Can it be **thin and light**?
8. How can it **draw people's attention** to take a bath and enjoy the experience?



Recognitions

1. The common mode is nice. When going to the bathroom each morning, people can see the conditions outside, which is convenient.
 2. Some peple are very fond of sunshine mode and think it an interesting combination between technology and nature.
 3. The immersive experience creating with the help of screen is attractive.
- Looking forward to experience it.

Specific materials and technologies will be analyzed in next stages. However, it is necessary to make a draft 1:1 model to test the experience about the enveloping mode.

IDEA TESTING

TOOLS AND PREPARATION



BUILDING PROCESS



OUTCOME DISPLAY



EXPERIENCER FEEDBACK

These two both bring the nice screen effects, but the **semi-enclosed** one is better because users can fully see the screen contents. And **stuffiness can be alleviated**, which is better than the full envelopment



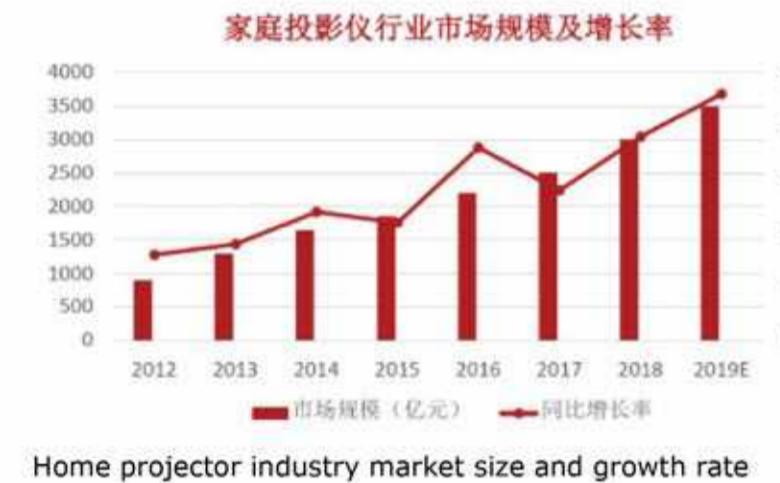
RESHAPED CONCEPT

Semi-closed curtains will be considered. And what is most important is the **experience** created. Because some users mentioned the projectors, due to its low cost, nice picture presentation and popularity, **home projectors** may be a better choice than the screen, especially in price and convenience. Maybe more information about the **projector market** can be explored.

MARKETING AND EXISTING USER RESEARCH

HOME PROJECTOR MARKET RESEARCH

INCREASING TREND



In 2019, the market size of the home projector industry reached 350 billion yuan, with a year-on-year increase of 23%. Projector companies increase the rate of market competition by improving user experience and efficiency, providing new growth space for this industry.

PROMOTING PERSPECTIVES



INCREASING INCOME



ADVANCED TECHNOLOGY



INTERNET MODE

MAIN PROBLEMS



LIMITED SCENARIOS



NON-UNIFORM SERVICE STANDARDS



LACK OF PROFITABILITY

PROJECTOR USER RESEARCH

Users who have owned home projectors are chosen as the main targeted group.



Kate
College student
21 years old

- Projector price: ¥ 400
- Main need and reason: watch movie with higher displaying quality at home, cannot go to cinema due to pandemic
- Psychological need: explore more ways to enjoy life



Mike
Designer
26 years old

- Projector price: ¥ 1000
- Main need and reason: move home usually due to the work, a projector is convenient and effective
- Psychological need: work with rapid pace brings pressure, but watching movies with large display reduces pressure and improve life quality



Amy
Enterprise manager
31 years old

- Projector price: ¥ 3000
- Main need and reason: use in various scenes, such as watching movie at home, play videos in party and help with presentations at work
- Psychological need: want to have higher quality in both life and work

ESTIMATED BRAND



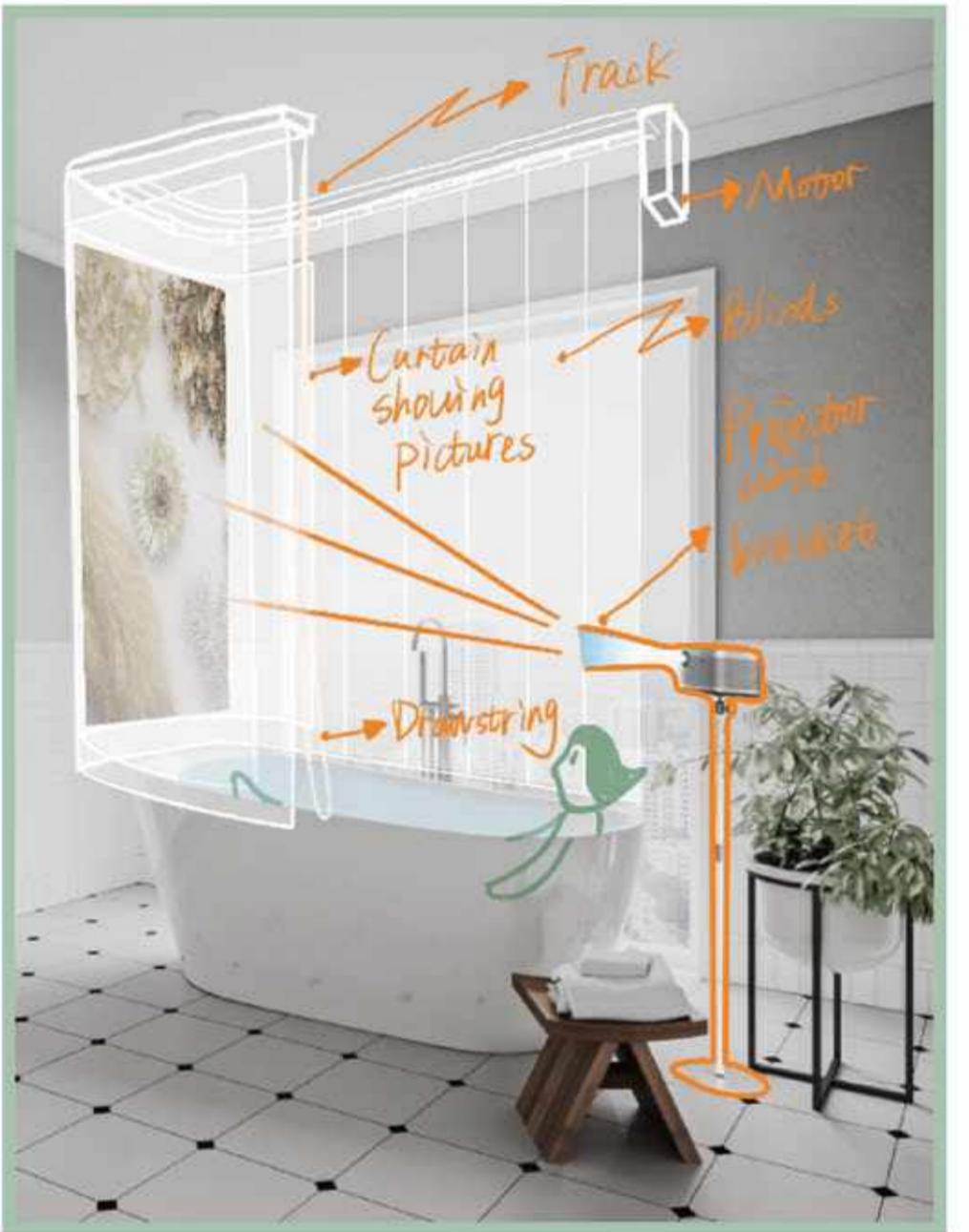
According to the function card of the well-known projector brand "GIMI", it can be seen that the projector has **an automatic screen adaptation function**, and has **good sound effects and high resolution**.

MY THOUGHTS

- The projector and the previously stated product direction have a **common goal**: improving the quality of life
- The current scenes used by the projector are mainly white wall viewing in the bedroom or living room. If it is **applied to the bathroom and curtains**, it will be an interesting innovation.
- Projector users are on the rise**. For these users, the expansion of smart curtains is a **cost-effective way** for them, and it helps them make better use of existing resources.
- The **cost of white curtains is much lower** than that of electronic screens. It is worth trying to achieve a similar display effect at a lower price.
- The **cooperation** of the two industries can help the projector industry further develop, and to obtain **higher profits** and scene applicability.

FINAL CONCEPT AND STAKEHOLDERS ANALYSIS

SKETCHES



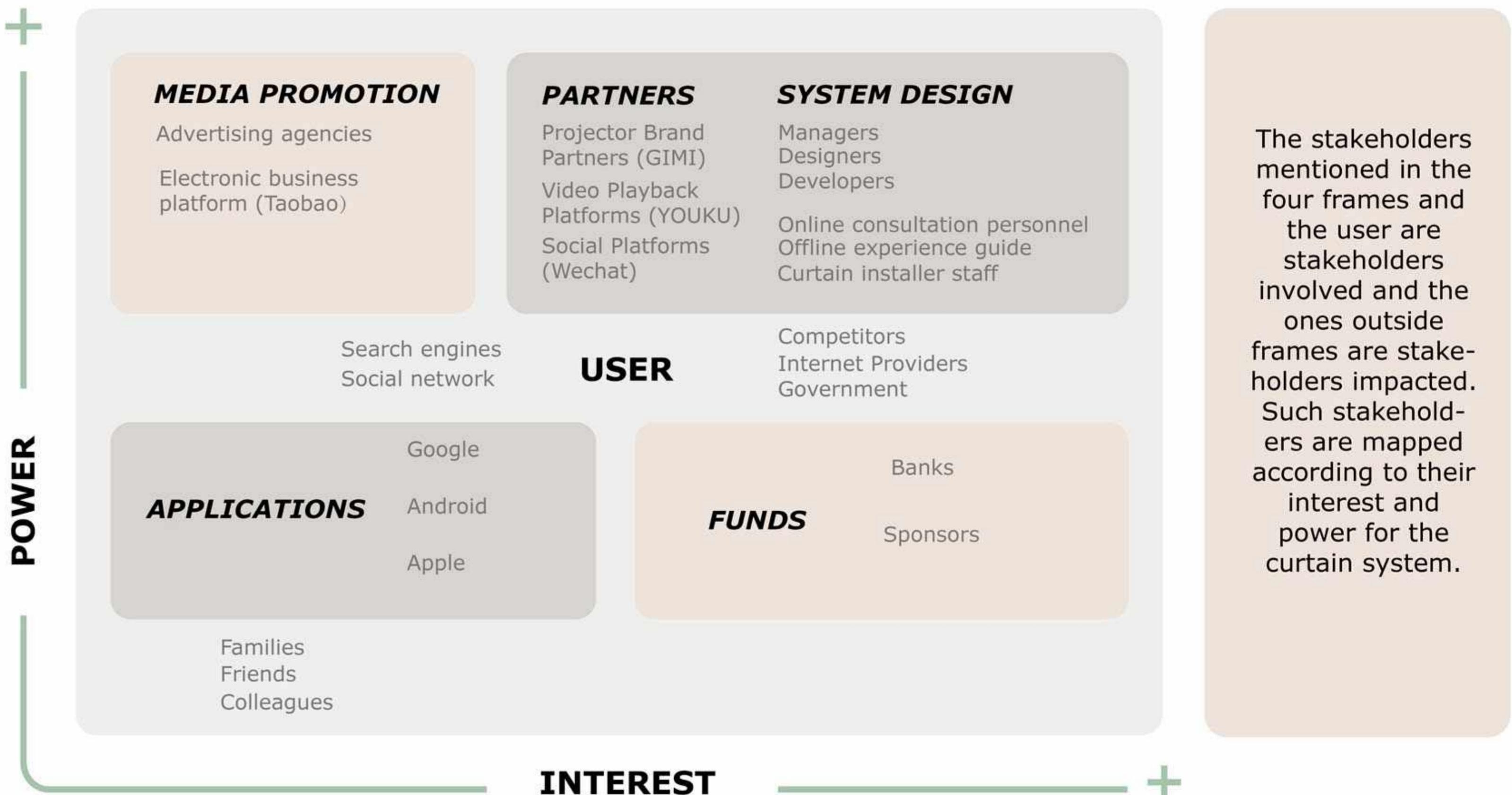
The curtain system is set to be semi-enclosed. Projector is held by stand behind the user.



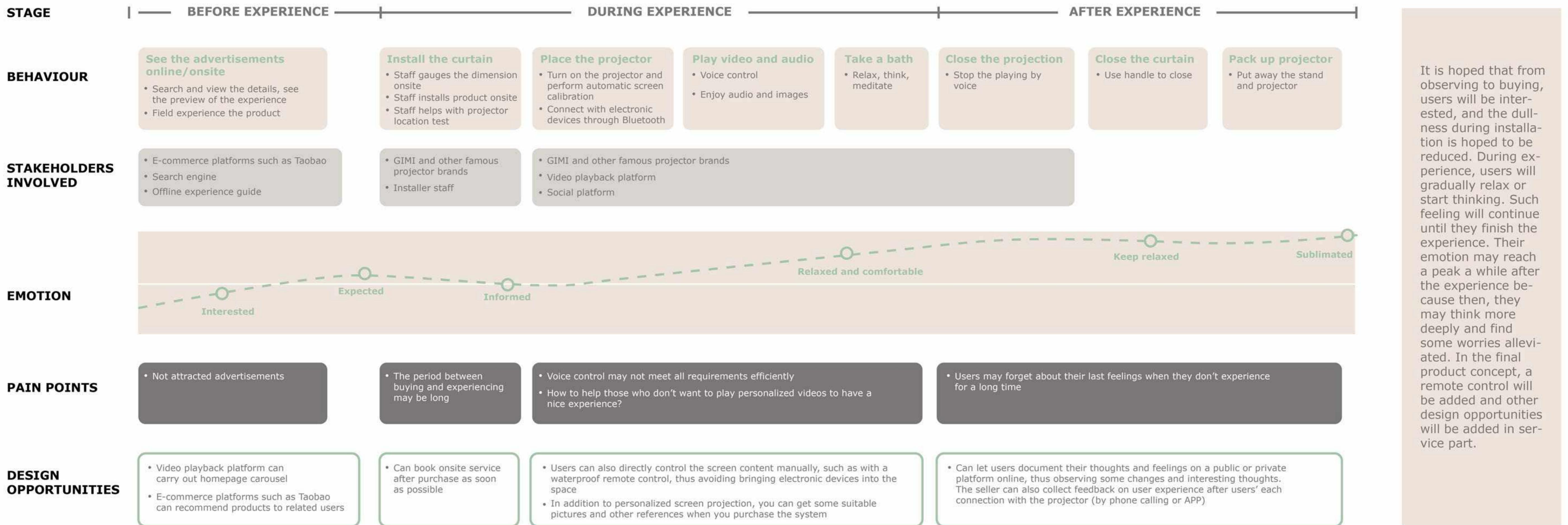
In this case, projector is hung on the ceiling.

The first is chosen because it's more convenient to disassemble the projector and apply it to different scenarios. Also, a stand will be attached when buying a projector for most brands.

STAKEHOLDER MAP

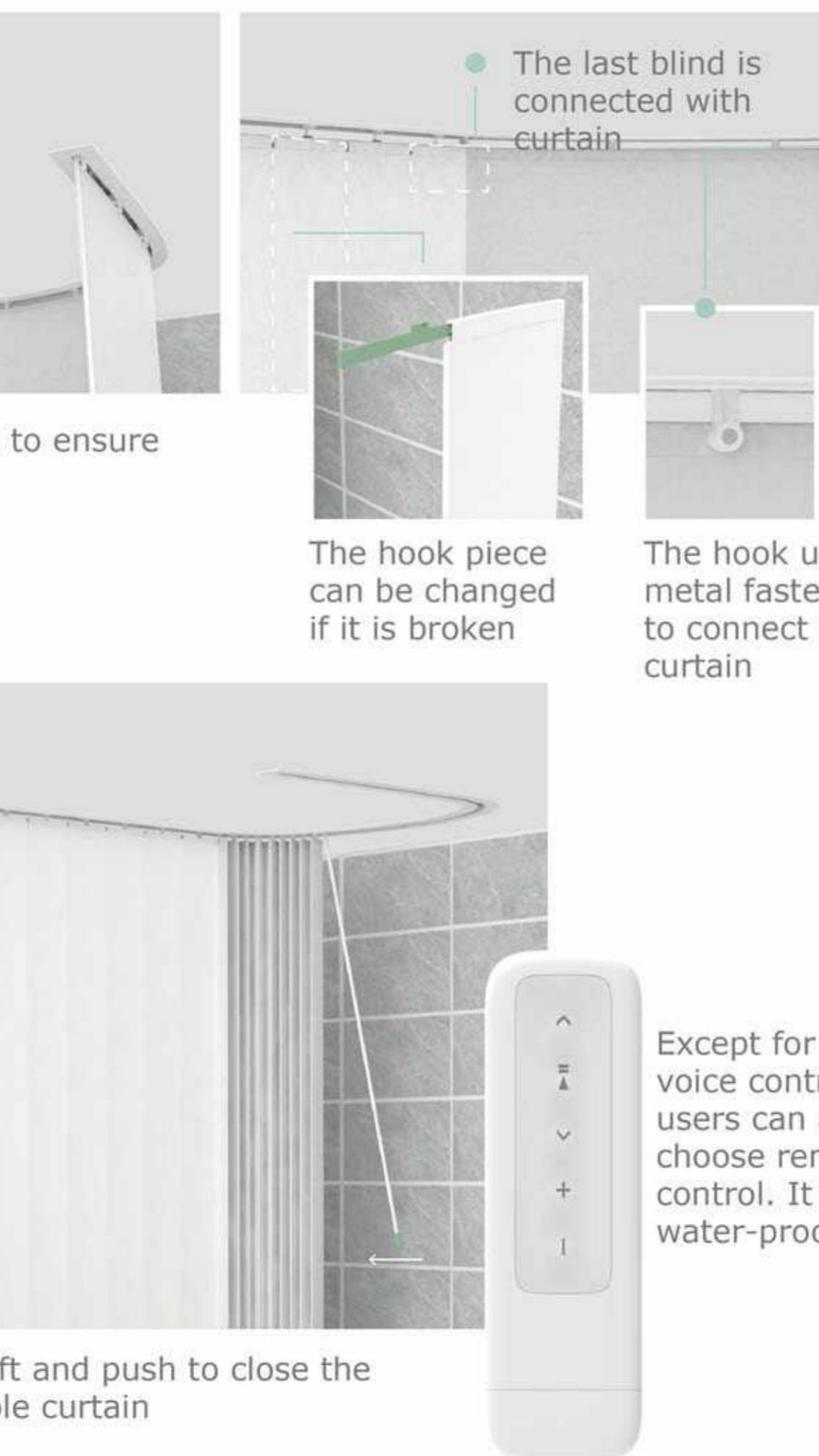
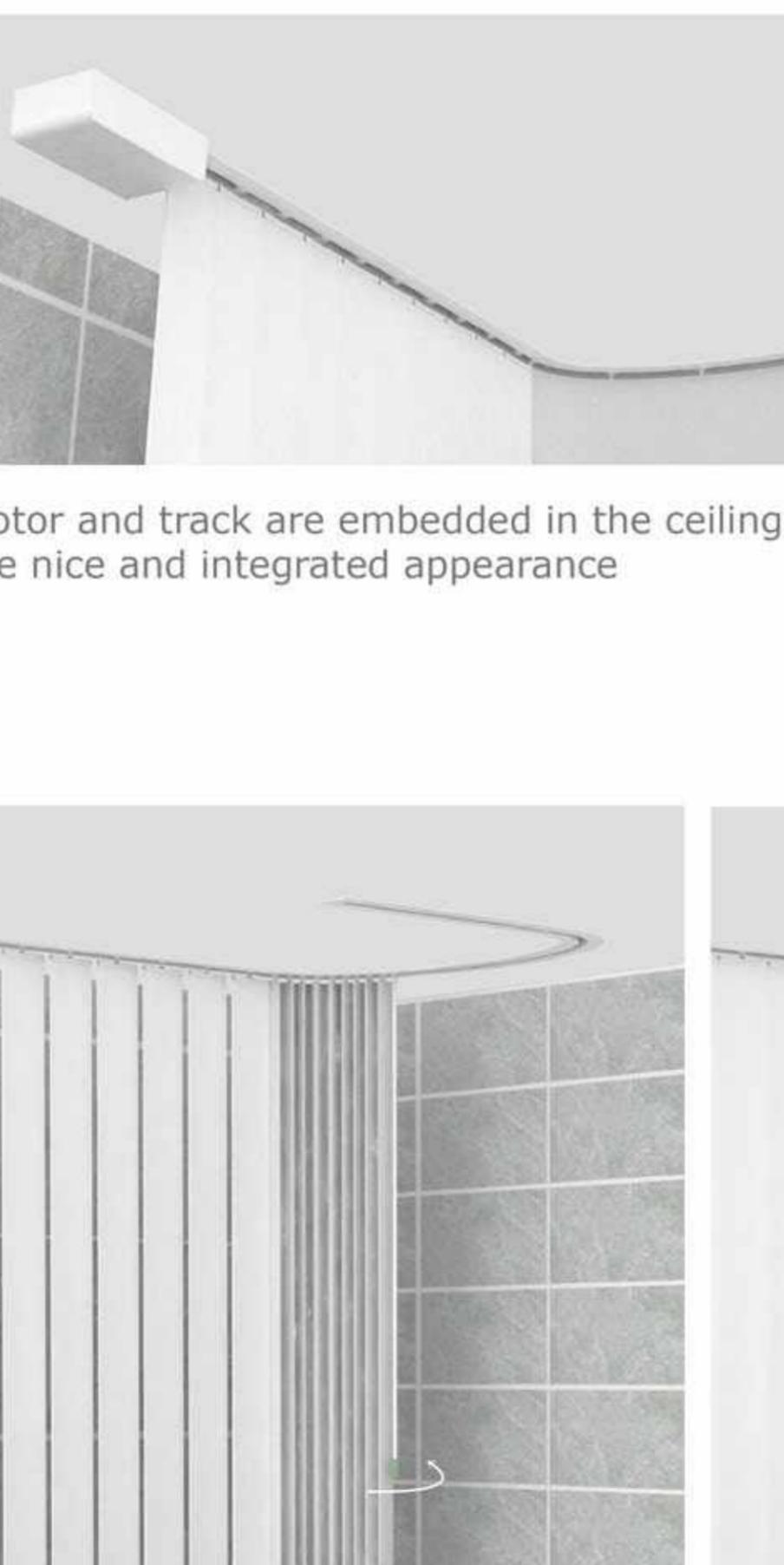
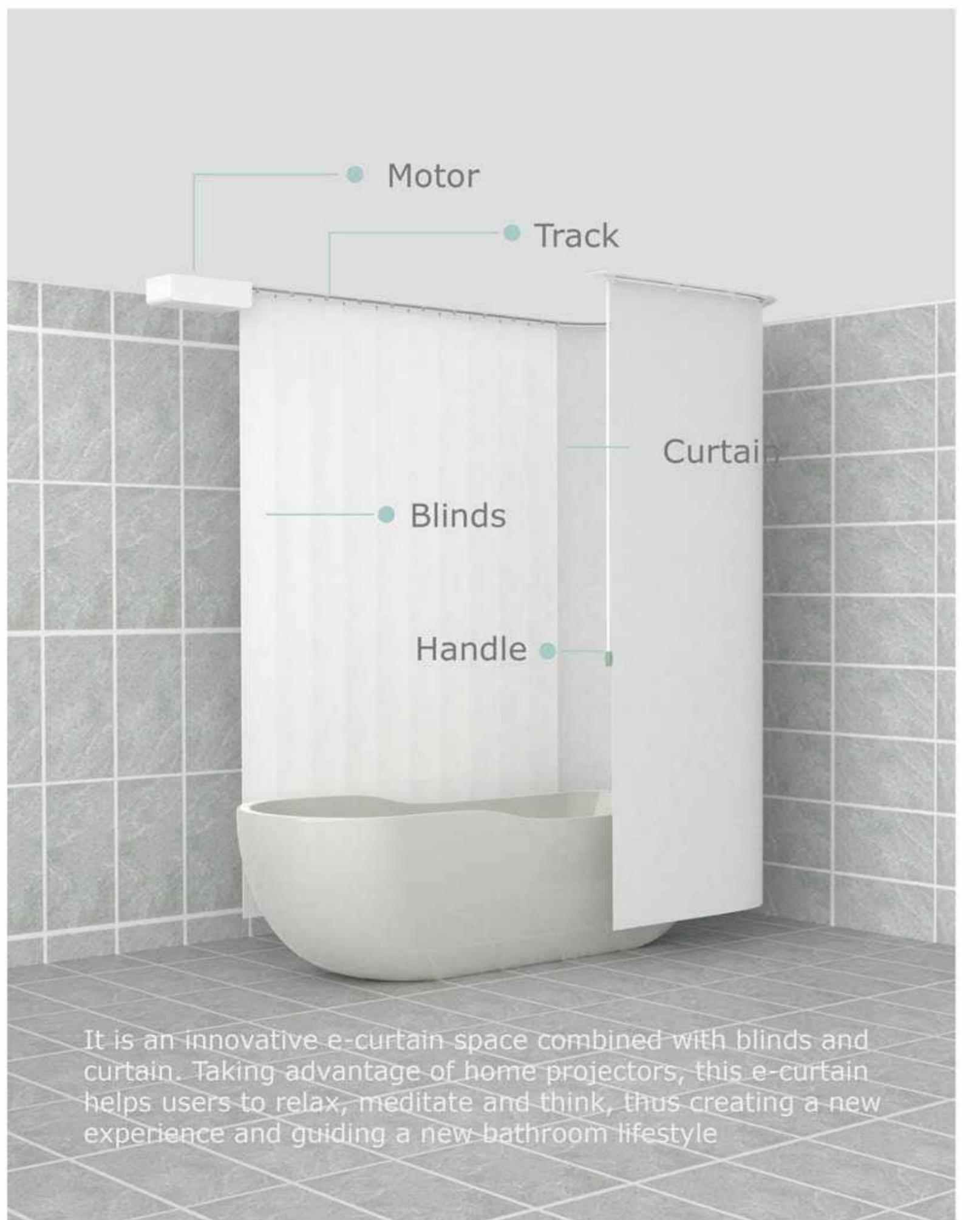


USER JOURNEY MAP



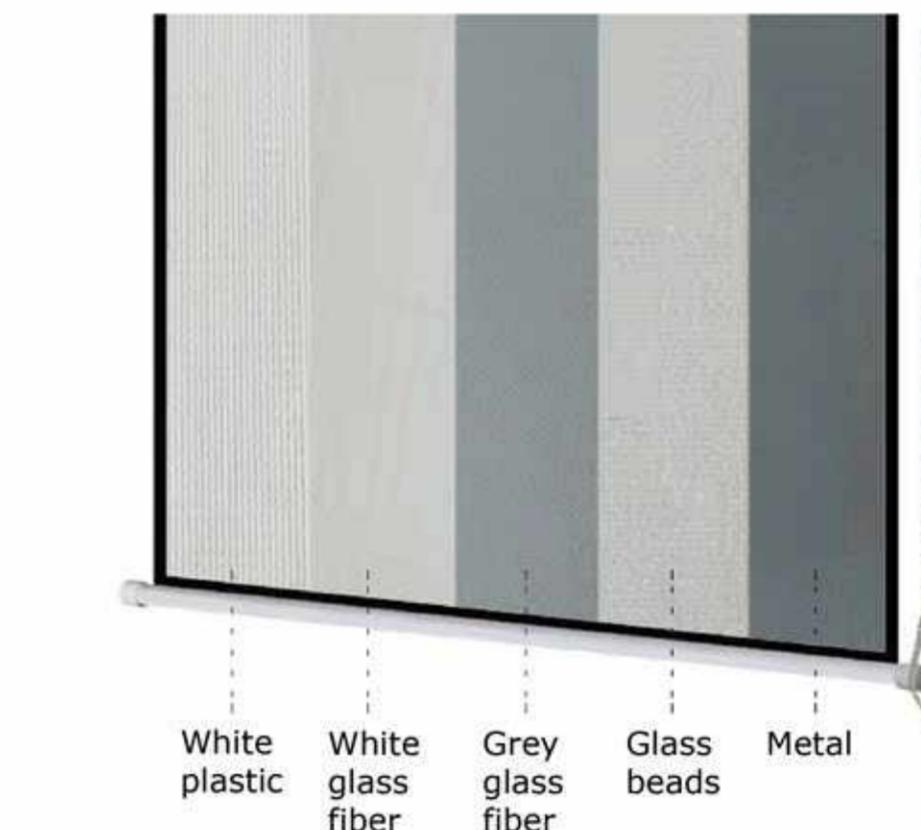
LAX E-CURTAIN INTRODUCTION

3D MODELS



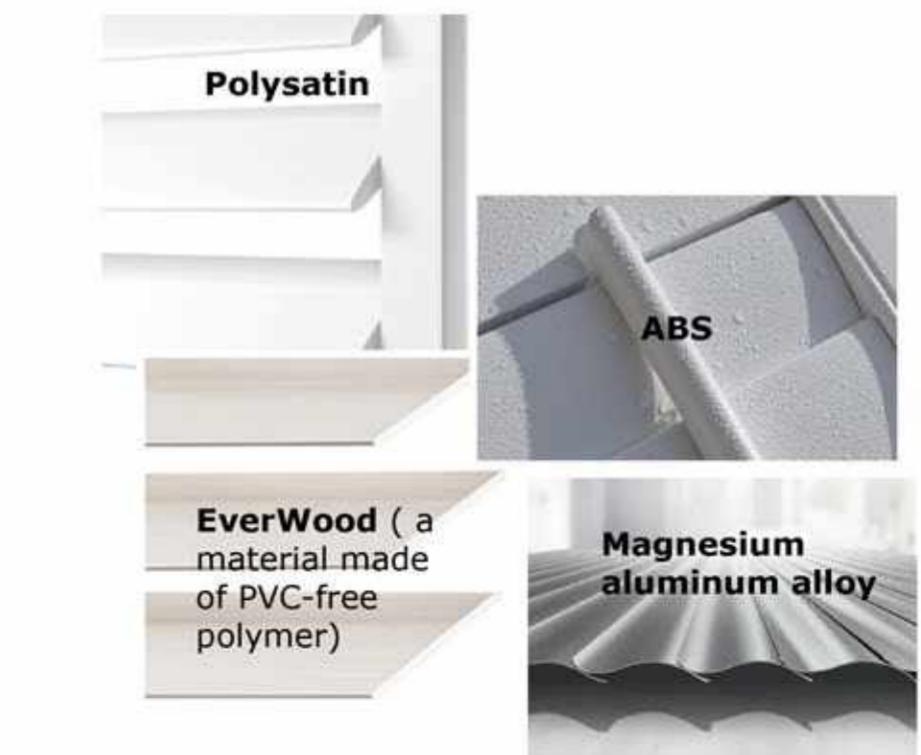
MATERIAL ANALYSIS

Material for curtain



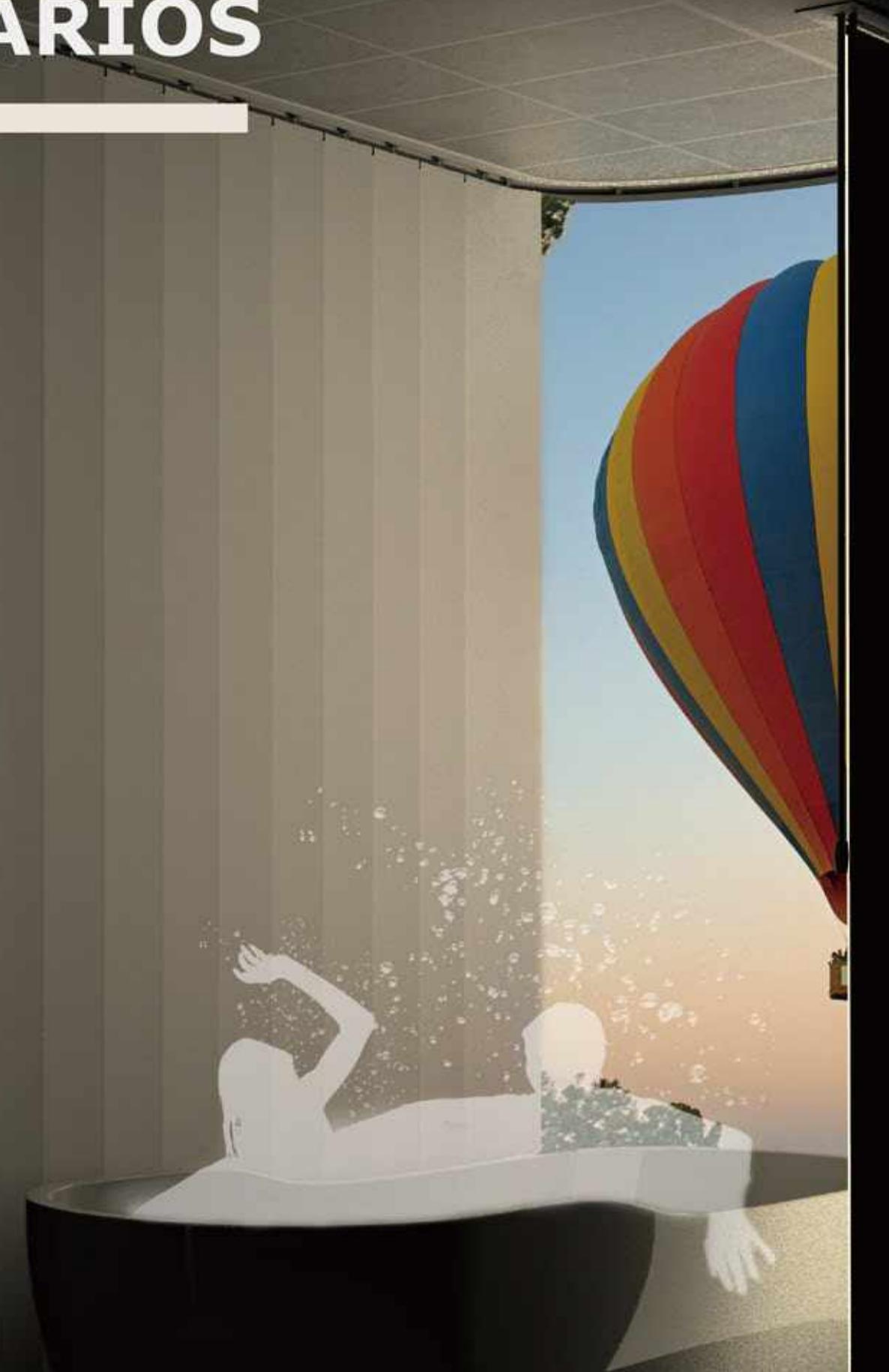
Five typical materials are compared. White plastic has the worst effect and cheapest price. Compared to another three ones, **white glass fibre** is the most **cost-effective** one. Simultaneously, it is **moisture and mildew proof**, which is more **durable** than glass beads.

Material for blinds



Four materials are considered for blinds. **Water-proof** is the main element considered. They are all moisture and mildew proof. Polysatin and Everwood are more textured while **everwood** is more like real wood, which is more **natural** and conforms to current bathroom design trend.

MAIN SCENARIOS



Children are playing with bubbles.
Lovely video is displaying.



The user changes into a natural
picture with remote control to
relax and empty himself.

AUTO-RENTTY CLEANING CAR

It's a school workshop project in collaboration with the company Kärcher. We mainly worked out future scenarios and envision products and services at a strategic level. The theme for our team is residential, work and urban spaces. Through observing trends—the increasing sanitation demand and sharing economy, we designed a **product-service system** for Kärcher, which is centered on an automatic cleaning car, to provide **cleaning work for community**, at the same time, provide **cleaning equipment rental service**. Research and brainstorming were done in a team. For other work, I made the scenario rendering and interface design.



KARCHER COMPANY PROFILE

1 PROFESSIONAL EQUIPMENTS

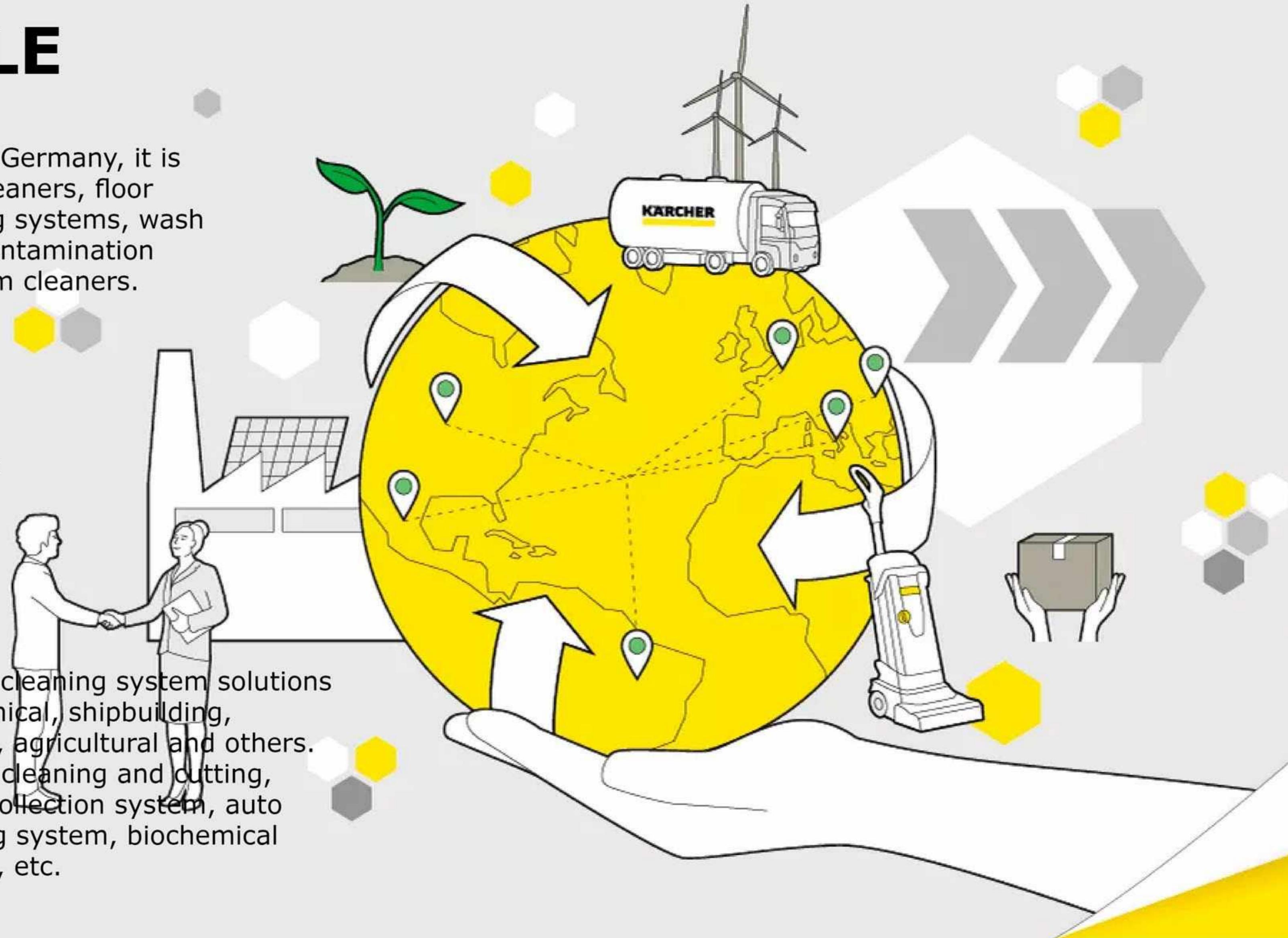
Headquartered in Winnenden, Germany, it is known for its high-pressure cleaners, floor care equipment, parts cleaning systems, wash water treatment, military decontamination equipment and window vacuum cleaners.

2 SUSTAINABLE SUPPLY CHAIN

With the help of sustainable supplier management strategy, Kärcher constantly monitors with Code of Conduct for suppliers. They find opportunities to cut emissions when route planning and selecting the type of transport used.

3 INTEGRATION & INDIVIDUATION

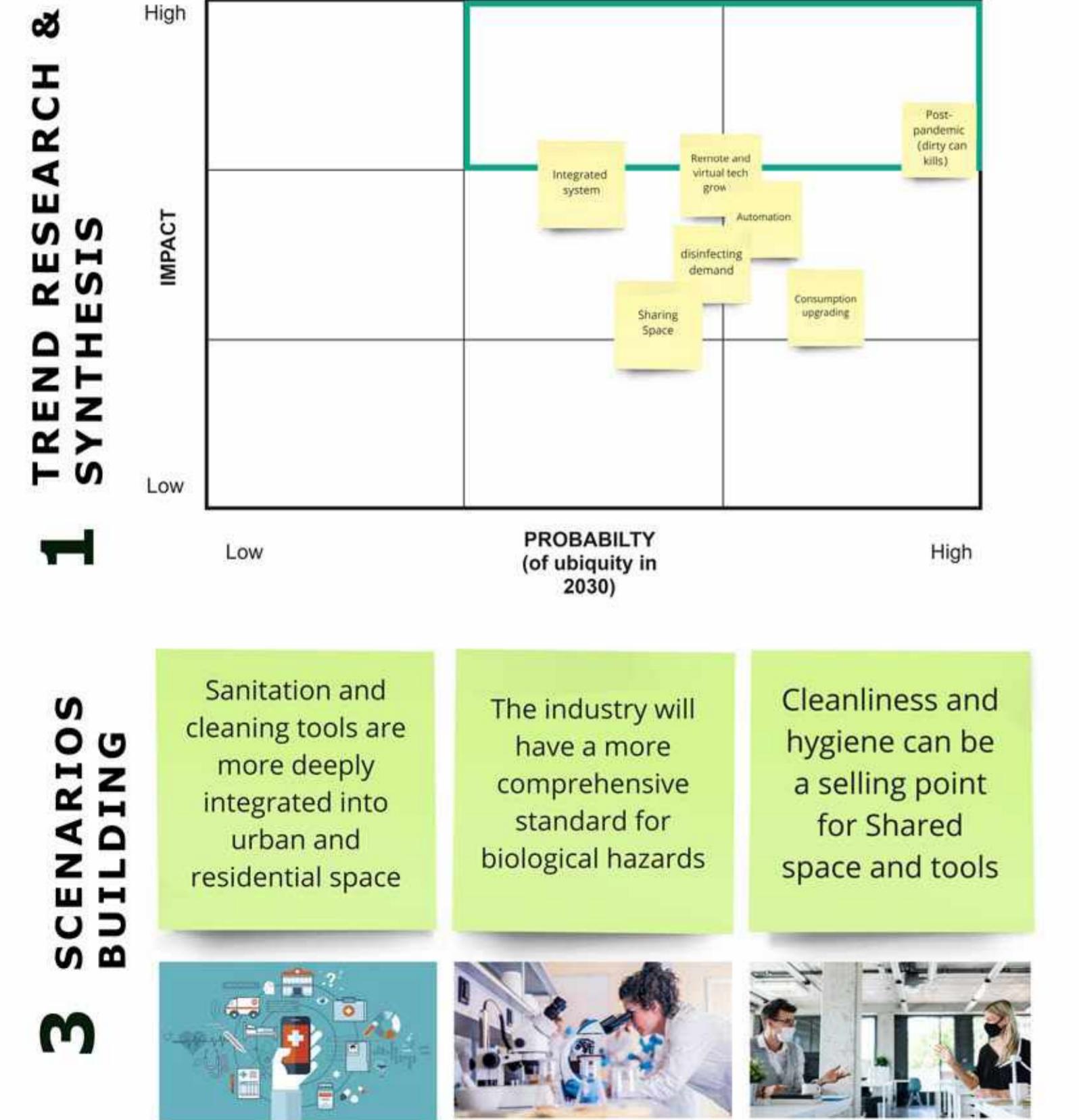
Kärcher provides many customized cleaning system solutions covering broad fields like petrochemical, shipbuilding, automotive, engineering, municipal, agricultural and others. Systems include ultrahigh pressure cleaning and cutting, central metal processing and dust collection system, auto gantry washing self-service cleaning system, biochemical nuclear radiation protection system, etc.



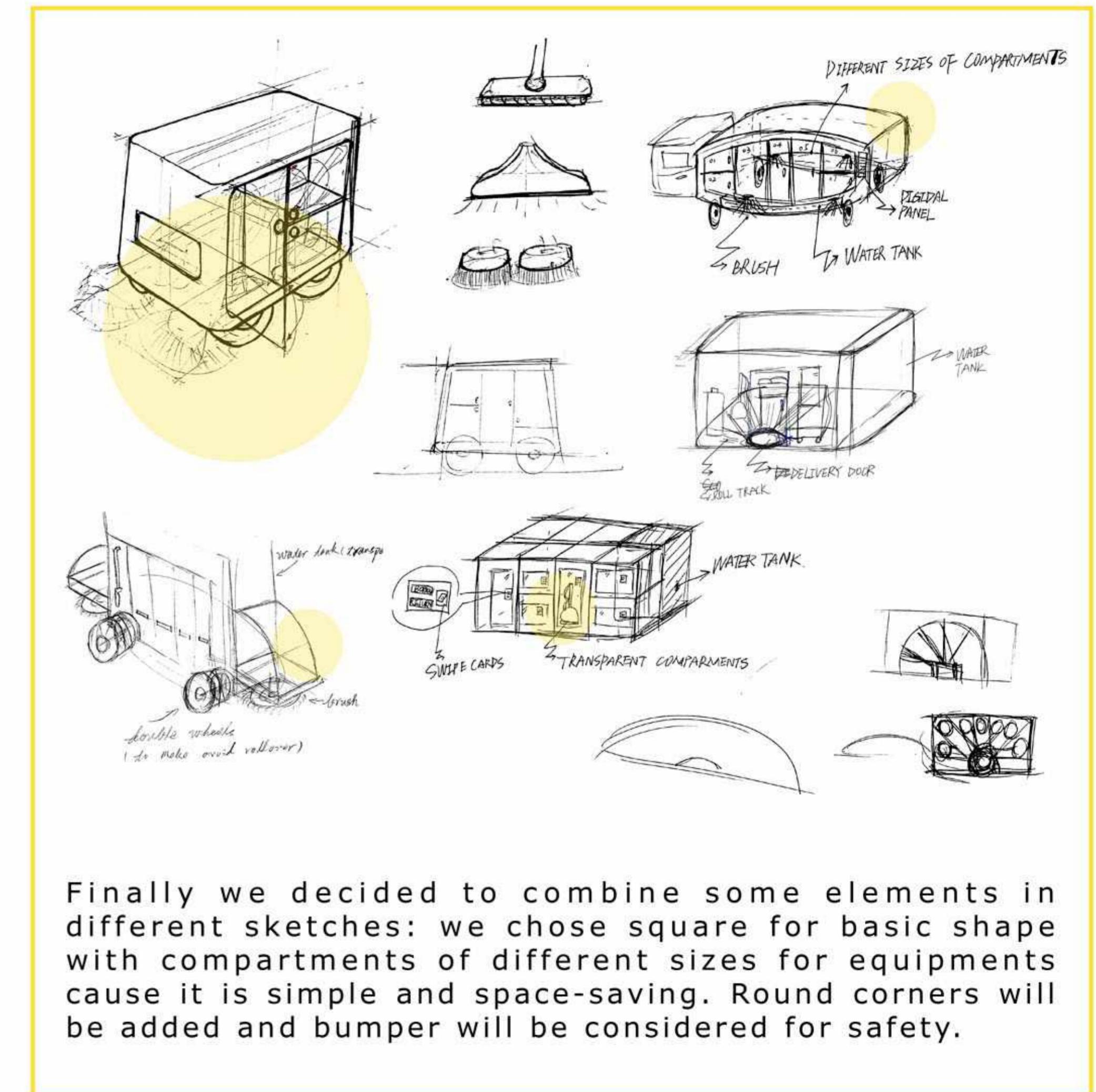
WORKSHOP PROCESS

Methodology and Process

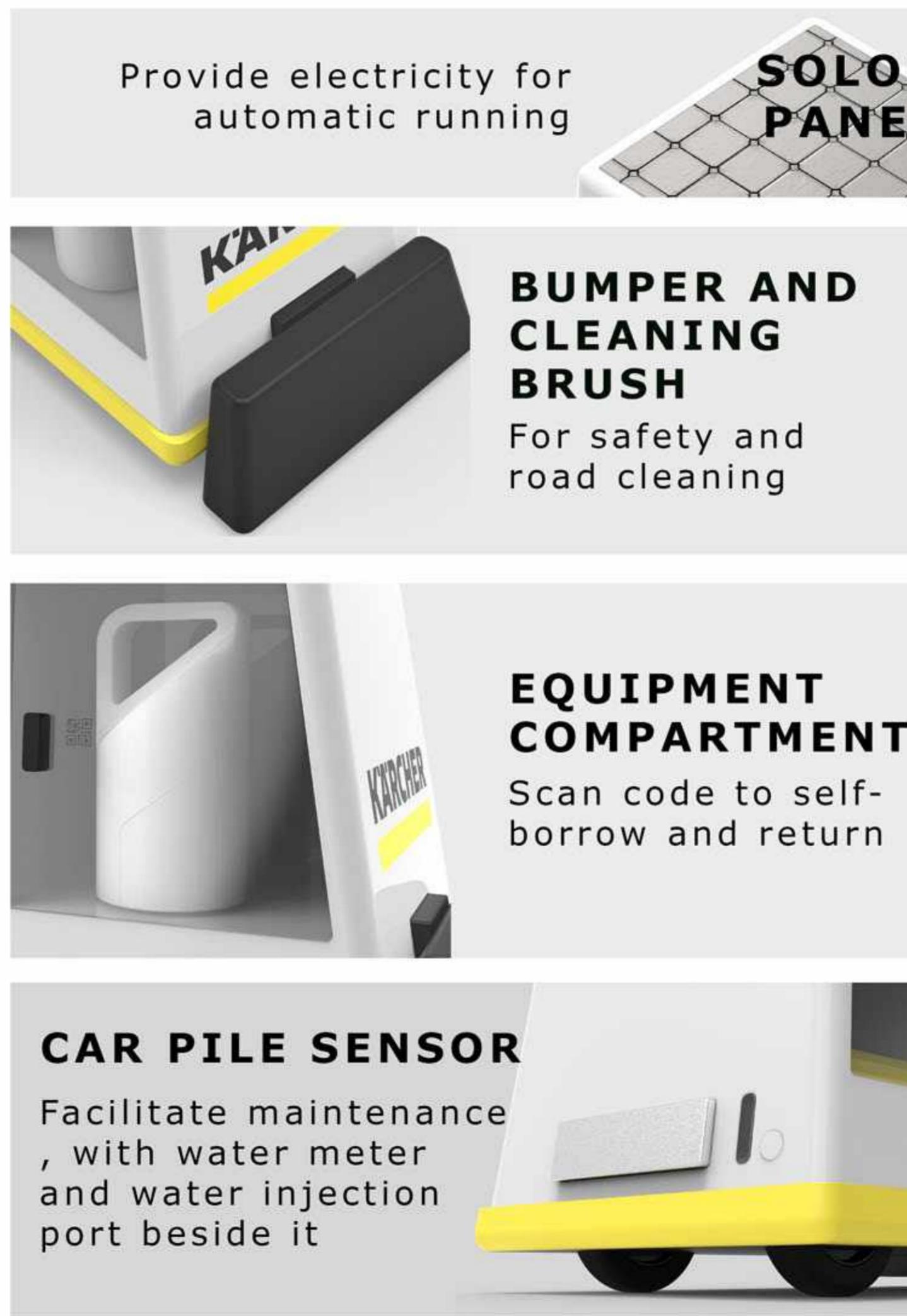
We mainly used four methodologies during the process and developed our work on a whiteboard platform called 'Miro'.



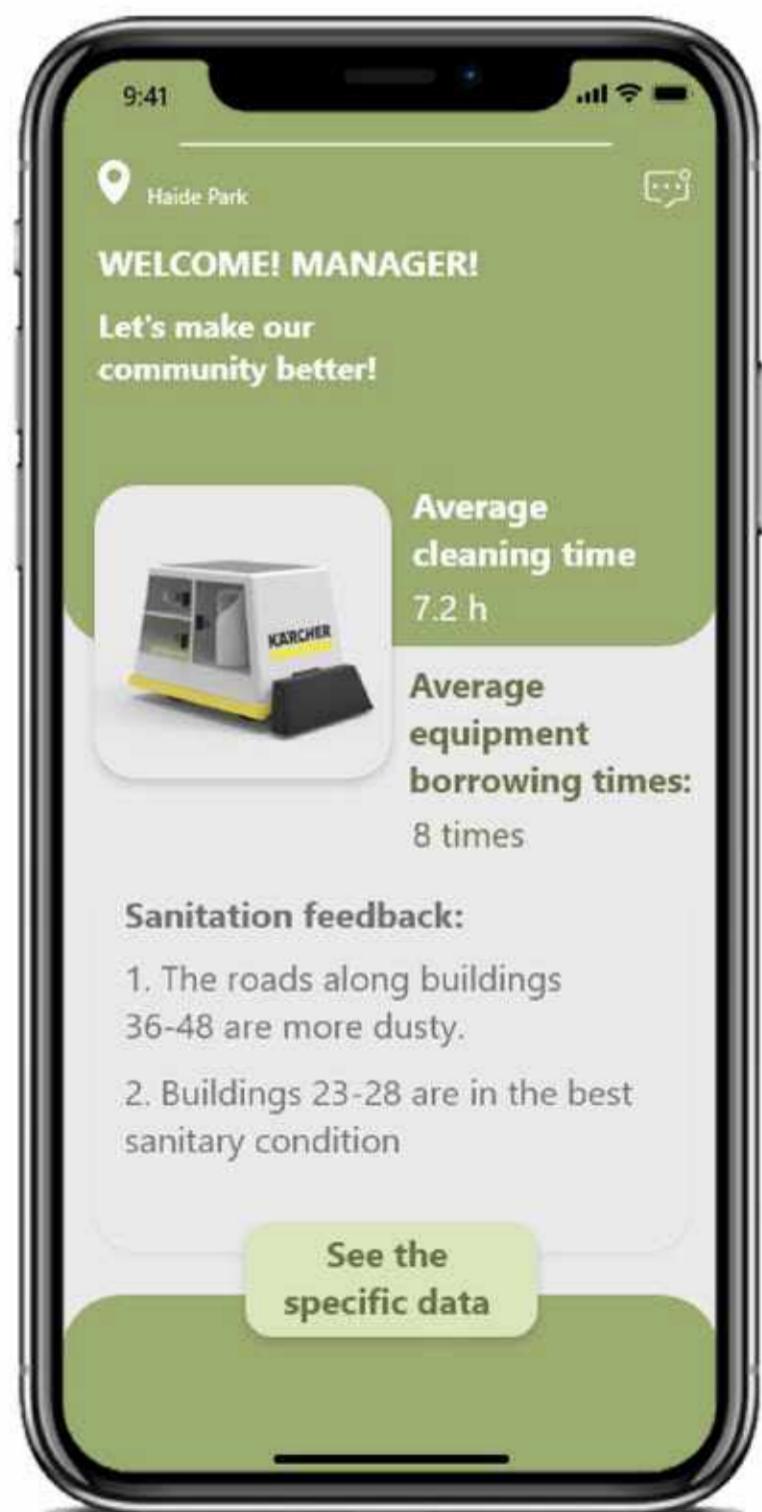
Sketch Discussion



FINAL OUTCOME

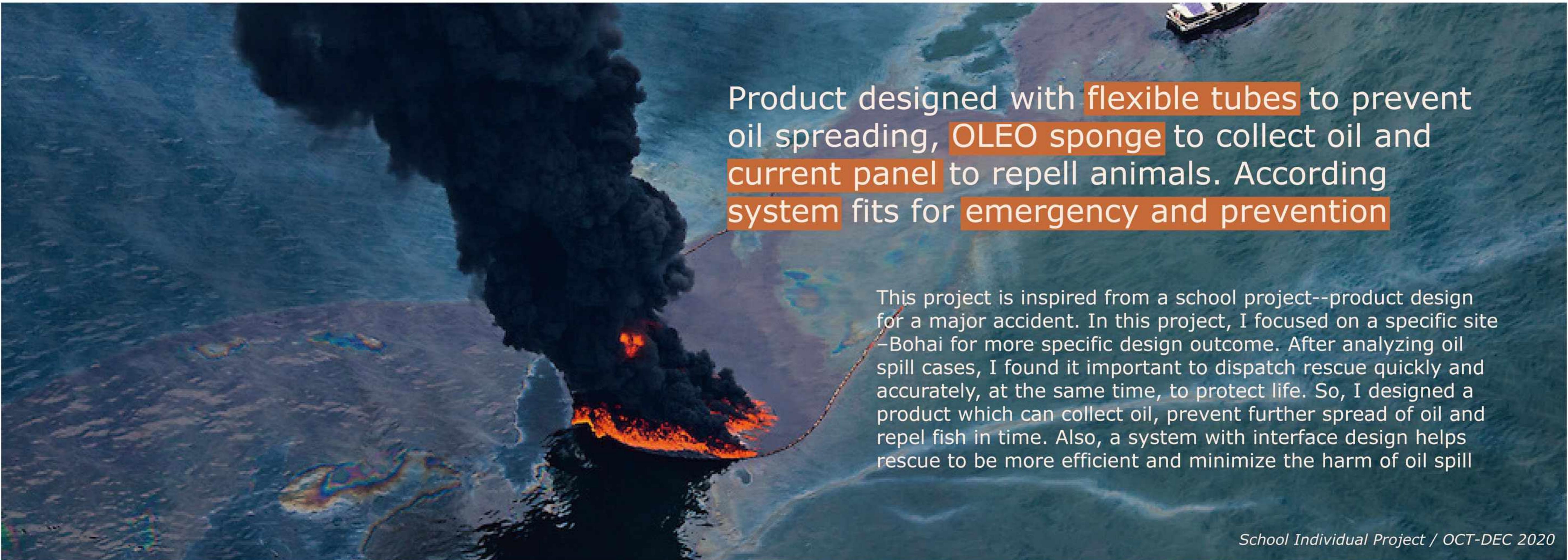


Device Interface



FLEXI-GUARD (FG)

PRODUCT DESIGN + SYSTEM INTERFACE DESIGN



Product designed with **flexible tubes** to prevent oil spreading, **OLEO sponge** to collect oil and **current panel** to repell animals. According **system** fits for **emergency and prevention**

This project is inspired from a school project--product design for a major accident. In this project, I focused on a specific site -Bohai for more specific design outcome. After analyzing oil spill cases, I found it important to dispatch rescue quickly and accurately, at the same time, to protect life. So, I designed a product which can collect oil, prevent further spread of oil and repel fish in time. Also, a system with interface design helps rescue to be more efficient and minimize the harm of oil spill

01 | MAIN TOPIC RECOGNITION

SIGNIFICANT EVENTS REVIEW



Deepwater Horizon oil rig explosion
795 million liters of crude oil released

Apr 2010



Penglai 19-3 oilfield oil spill in Bohai
700 barrels of crude oil released

Jun 2011



Large-scale oil spill in Pacific coast
3,000 barrels of crude oil spilled from the offshore drilling platform "Elly"

Oct 2021

CURRENT SITUATION



1. High risks on off-shore drilling operations , like explosions and fires

2. From 2018 - 2020, the number of global off-shore drilling platforms will **continue to rise**



3. Leaks happen frequently. 137 oil spills occurred in 2018 in America, about 11 per month

HARMS ON LIFE



Feathers are stained with oil, making birds difficult to fly and forage, and the heat preservation ability is greatly reduced



Those breathing with lungs suffocate to death because nostrils or spray holes were blocked by oil. Those with body hair will lose heat preservation due to sticky body hair



Oil film and oil block will stick to fish eggs and juvenile fish, and certain toxic ingredients are enough to kill them



Personnel involved in oil spill clean-up operations experienced prolonged or worsening disease symptoms 7 years after being exposed to the oil spill

PROBLEM CONCLUSION

Problem 1.

Except for accidents, non-accidental daily leaks also often occur

Problem 2.

Oil spill is harmful on both marine life and humanbeings, and they are not protected in time

Insights

1. Prevent oil spills from the root
2. Quickly deal with oil spills (both accidents and daily leaks)
3. Avoid or reduce damage on marine life (warning and repelling methods may be applied)
4. Choose a specific place with specific ecological information to focus on

02 | SPECIFIC SITE CHOOSING -- BOHAI



WHY BOHAI?

Oil spill has occurred in Bohai and Bohai is not far from my home, which is convenient for me to study.

Well-developed petroleum industry

Bohai is one of the **most important production areas** of China's offshore oil, with an annual output of Eh gas exceeding 30 million tons:

1. Nearly **200** oil platforms until 2015
2. 2020.3.18, in newly discovered Kenli 6-1-3 wells located in the northern Laizhou Bay of Bohai, the annual output of a single well tested can reach more than **400,000 barrels**

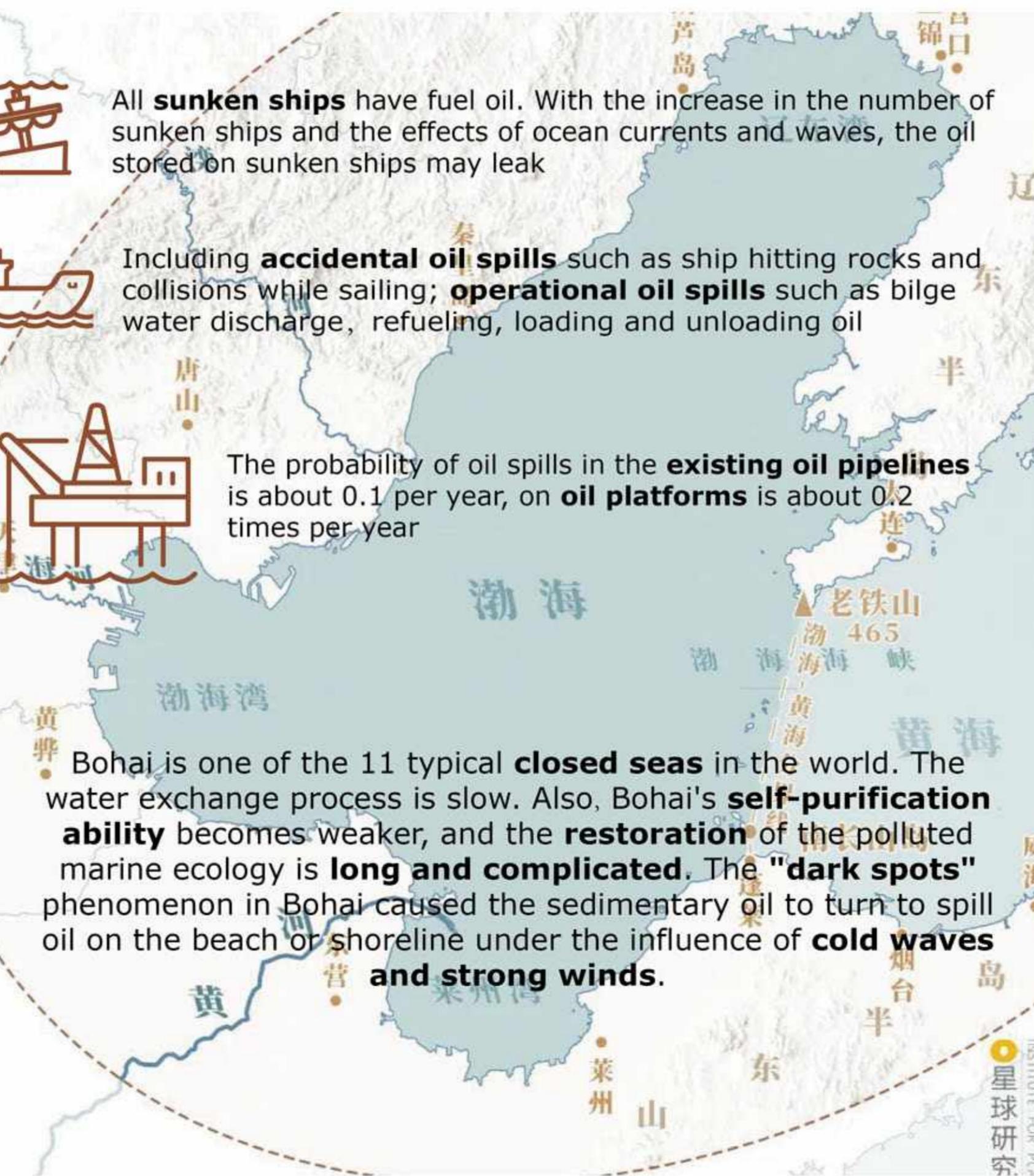
However, oil spill happens a little frequently.

Oil spill -- cases

From 2010 to 2015, a total of more than **600** samples of oil spills in Bohai were received, including oil spills on the sea and coastal oil pollution:

1. 2012.1, the "D" **ship collided** in the waters of Tianjin, causing a large-scale oil spill in the waters of Yantai
2. 2015.2, oil spill happened in "B" **oil platform**, causing **oil pollution** in Laizhou

CAUSE ANALYSIS OF OIL SPILL



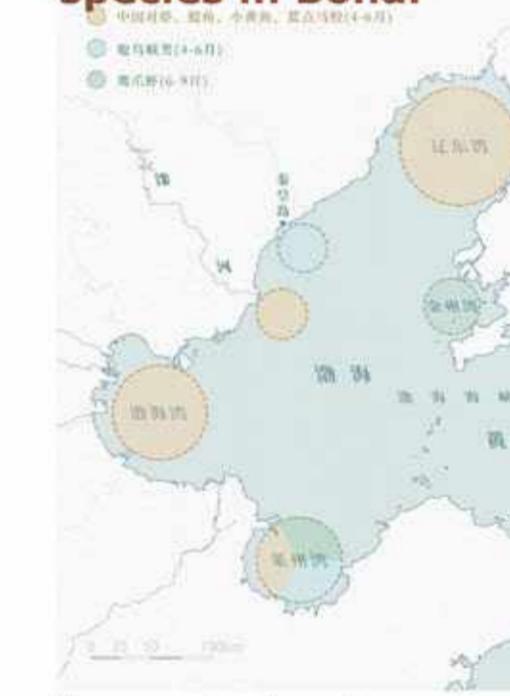
BOHAI ECOLOGICAL STUDY

Distribution of urban agglomerations and major ports in the Bohai Rim



Liaodong Peninsula;
Beijing-Tianjin-Hebei Coastal;
Shandong Peninsula urban agglomerations

Spawning grounds and spawning time of main species in Bohai



The spawning time of prawns, fishes, calamari and eagle claw shrimp varies from April to September, Laizhou Bay is suitable for all to lay eggs

The main economic species in Bohai



Shrimp and small yellow croaker are the most important species

Things On My Mind About Bohai Oil Spill

1. Monitoring technology (oil slick + drilling platform)
2. Methods dealing with oil spills
3. Artificial technology > self-purification ability (weak ability)
4. Repelling methods of fish and shrimps
5. For plan--the collaboration of urban agglomerations + seasonal differences

03 | RESEARCH AND INITIAL SKETCHES

METHODS DEALING WITH SPILL



Fence

- Can prevent oil spread as soon as possible
- Not suitable for bad weather



Oil suction vessel/ oil absorption material

- Wide range of oil absorption
- Take time and the salvaged oil needs to be brought to shore for disposal



Dispersant

- Conventional methods, suitable for large-scale spills
- Impact on environment



Micro-biological degradation

- Safe and environmental-friendly
- Slow process

→ **Fence + Oil absorption/ collecting**



Possible absorption materials

- Hydrophobic and lipophilic
- High oil absorption rate

OIL SPILL MONITORING TECHNOLOGY

Aerial monitoring



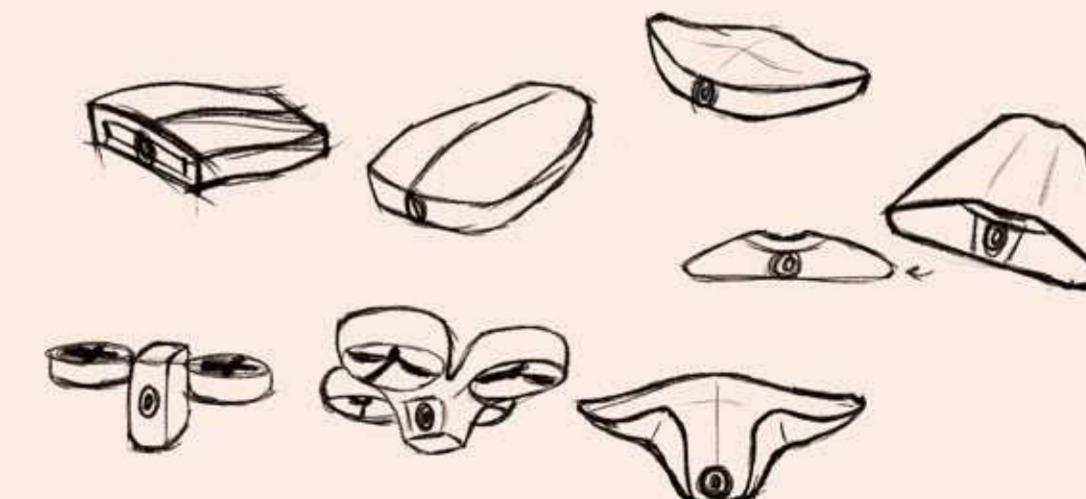
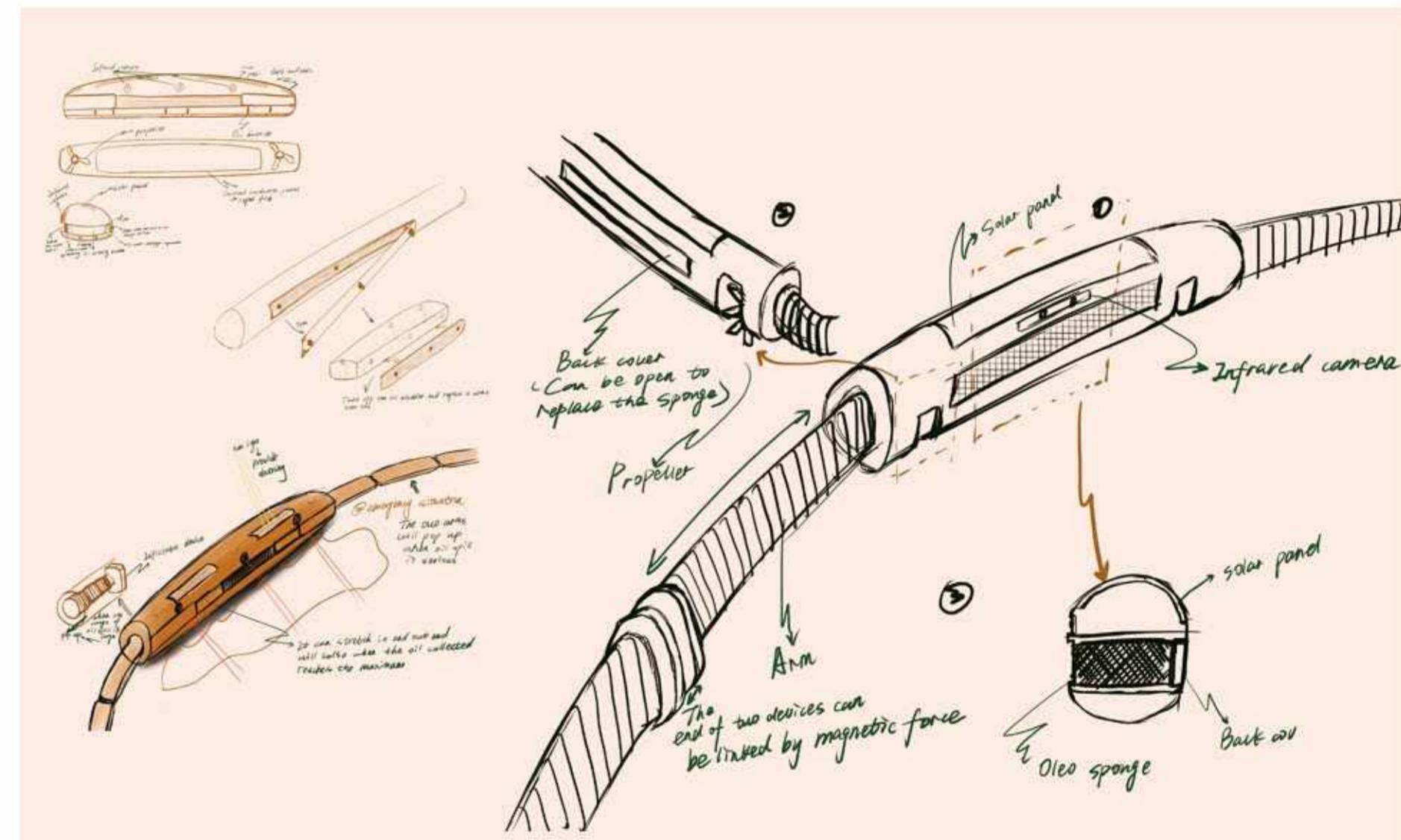
Sea surface monitoring



Aerial (UAVassisting satellite) + Sea surface monitoring

PS: For airborne monitoring, because many remote sensing systems are very cumbersome, they can only be installed in dedicated aircraft. However, handheld FLIR cameras can be used, which can provide portable remote sensing systems that are not restricted by dedicated aircraft. A relatively fast shutter speed (1/500 second) is recommended to avoid blurring caused by aircraft movement and vibration. Ultraviolet (UV) and polarizing filters are useful in reducing glare, and sometimes help improve the visual clarity of marine oil. The built-in GPS of the camera is very useful, so that the issuing of commands and the control of the progress can be quickly dealt with.

SKETCHES AND INITIAL CONCEPT



METHODS OF REPELLING FISH



Infrasound

- Natural alarm signals
- Create uncomfortable area



Pheromones

- Exclude fish
- Limited by species

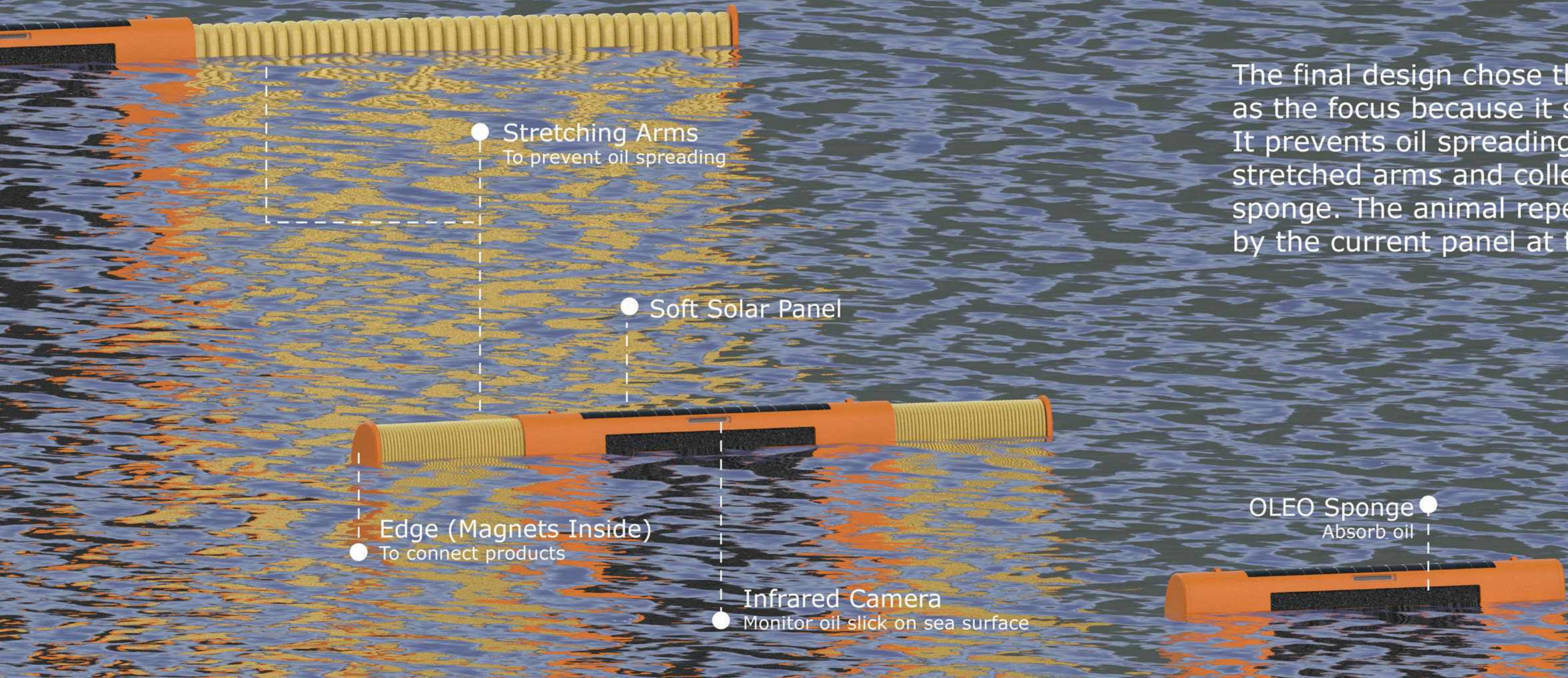


Slight current

- Electrical energy can be transferred to fish
- Effects can vary by species

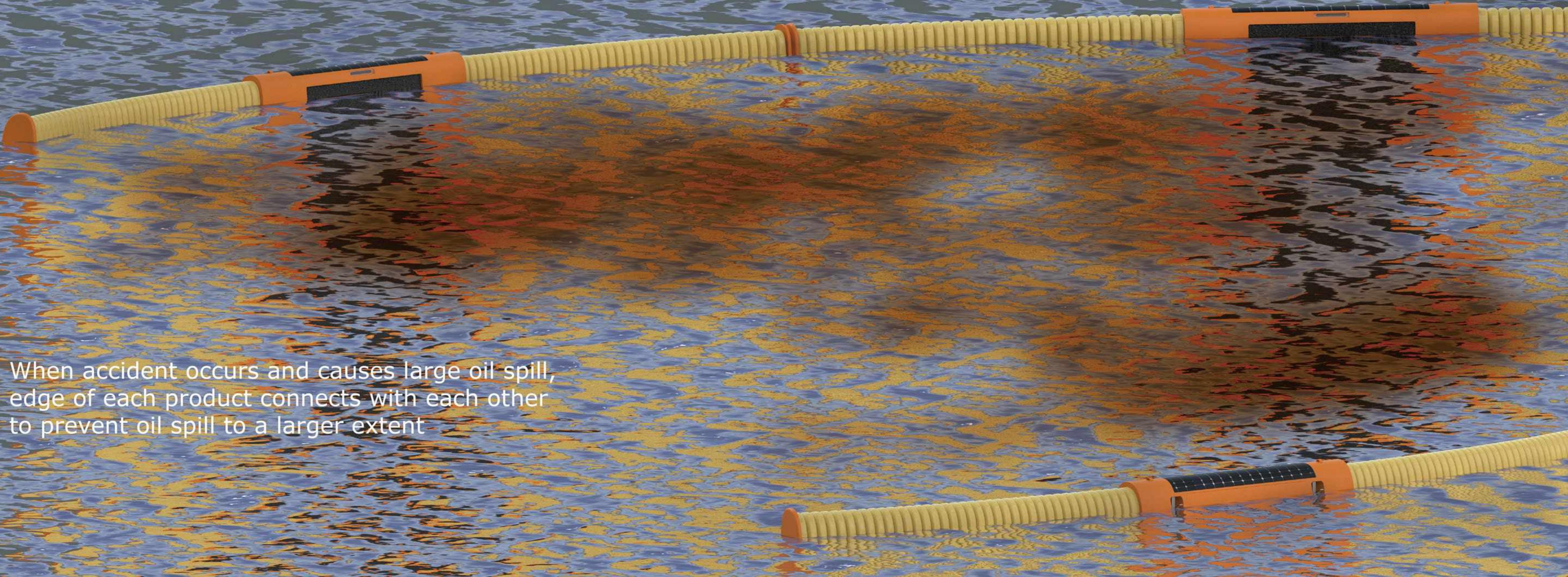
04 | FINAL CONCEPT

PRODUCT OVERVIEW



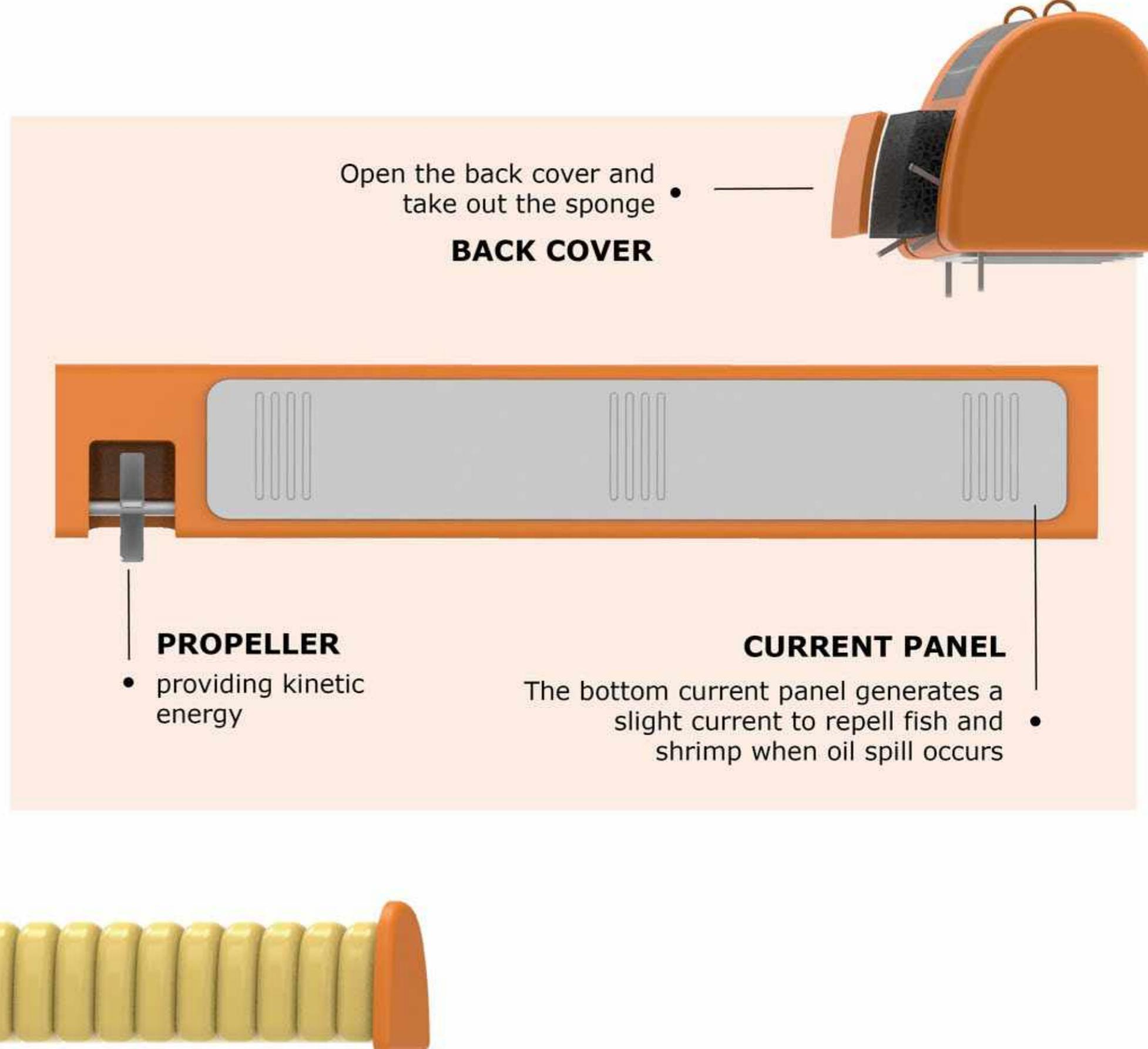
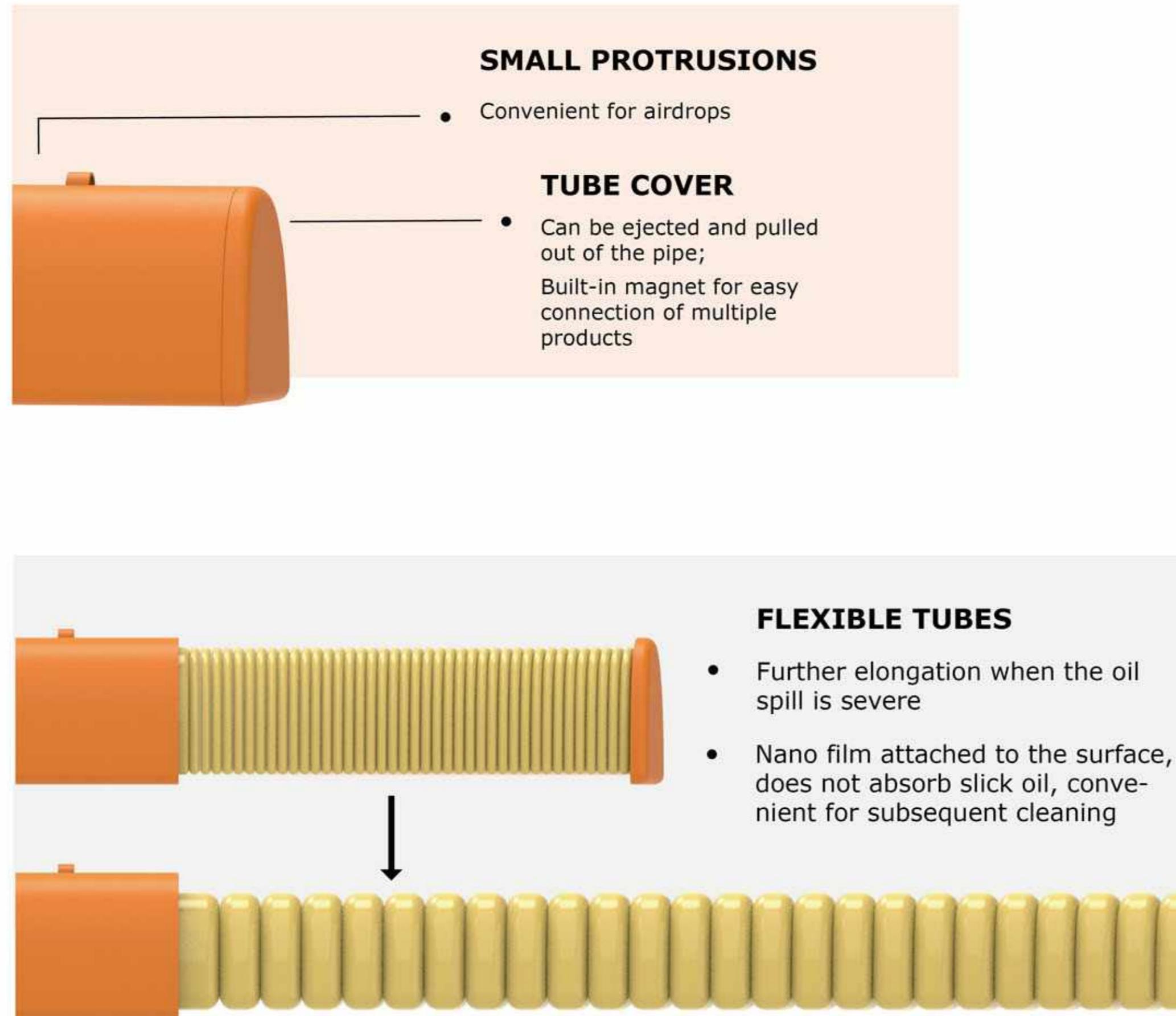
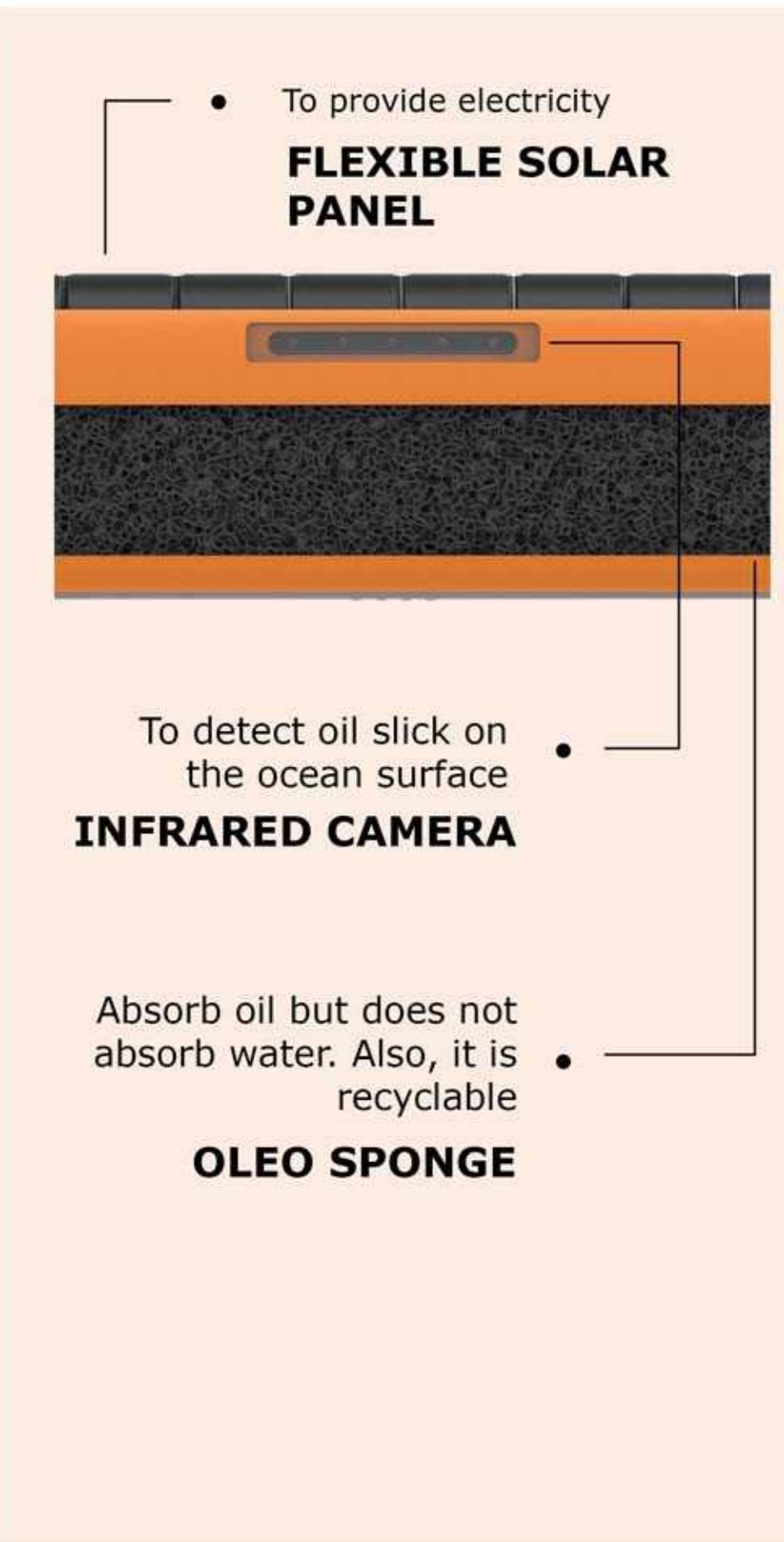
05 | FINAL CONCEPT

SCENARIO -- ACCIDENT



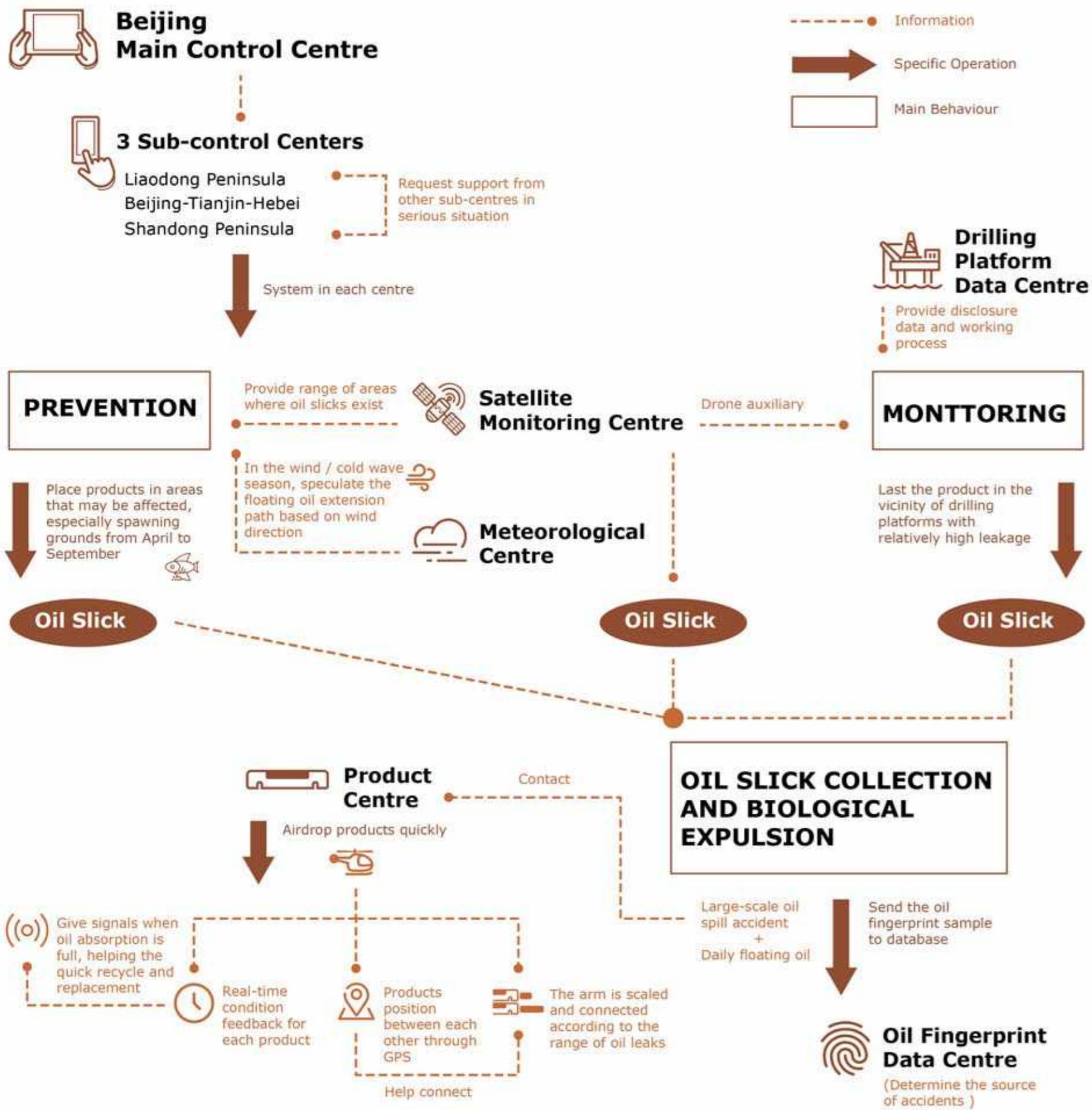
When accident occurs and causes large oil spill,
edge of each product connects with each other
to prevent oil spill to a larger extent

06 | PRODUCT DETAILS

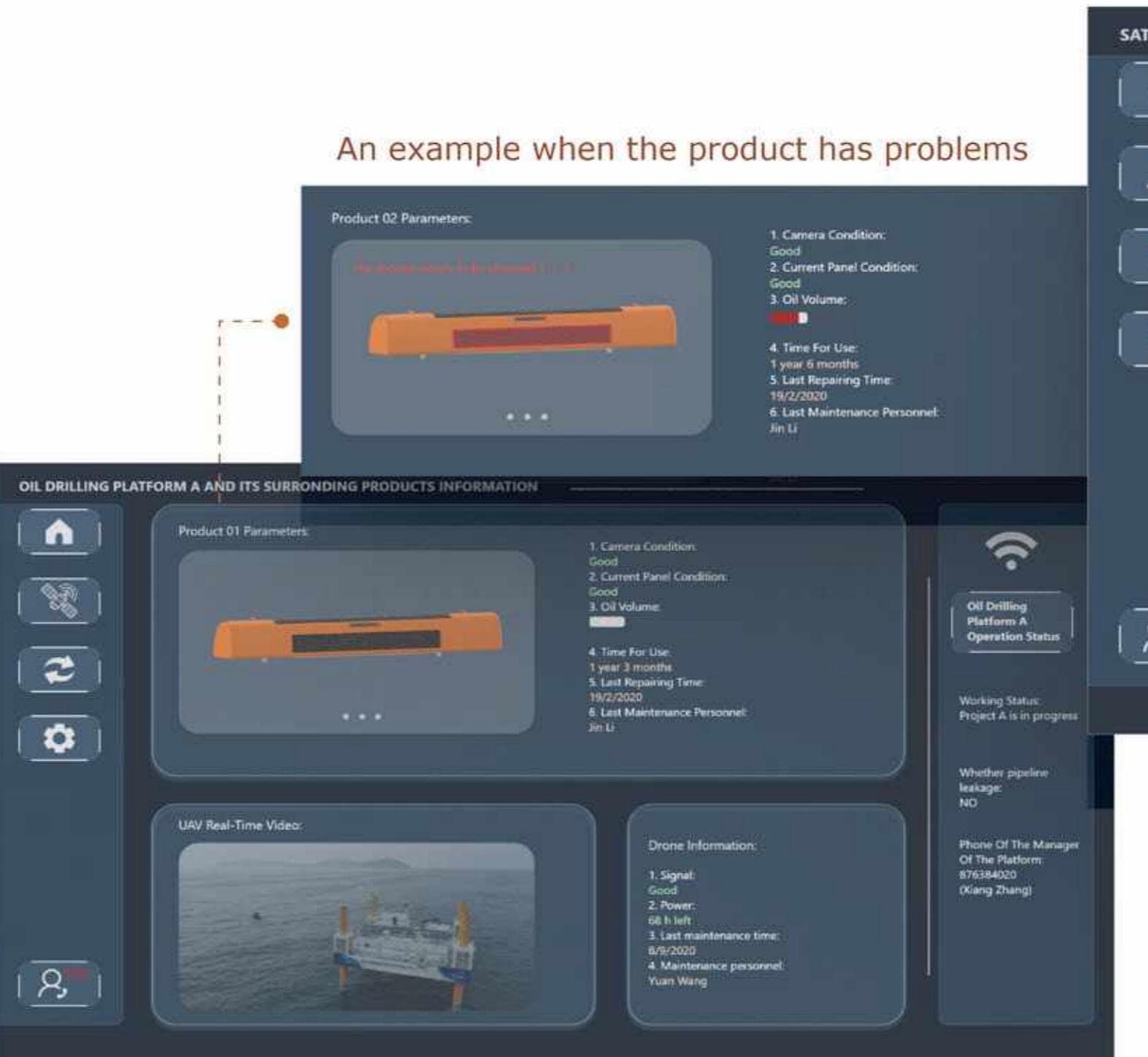


07 | CORRESPONDING SYSTEM ADN INTERFACE

SYSTEM OPERATION PROCESS



INTERFACE DISPLAY



This interface shows location information of all products, drones and oil drilling platforms. Also, satellite monitoring image were shown to observe problems as soon as possible

This interface shows information about one oil drilling platform, including real-time product situation and real-time pictures of surrounding situation photographed by drone



CON-BIO WORKSHOP

It's a collaborative workshop based on paper pulp using. Through molding and reconstructing, people can get their own vessel, which can turn to nutrients for their plant and reaches the sustainable goal. Communication and sustainability are hoped to be improved during the process.

OCT-DEC 2021 School Project

INTRODUCTION AND INSPIRATION

PROJECT KEYNOTE

This project is about reshaping the museums of the future and Suzhou museum is asked to be the museum to design for. The theme to be focused is 'Social Impact / Innovation'. Within the specific research theme, students should create innovative concepts for the museum that could be but not limited to products, systems, improvements, innovations with a strong background in sustainability, functionality and innovation.

MINDMAP



CONTEXT STUDY



Collections dominated by porcelain



Integrate nature into the building & Classic Suzhou garden style

CONCEPT DIRECTION

- Collaborative workshop
- "Relics" remaking
- Sustainable material
- Broken texture

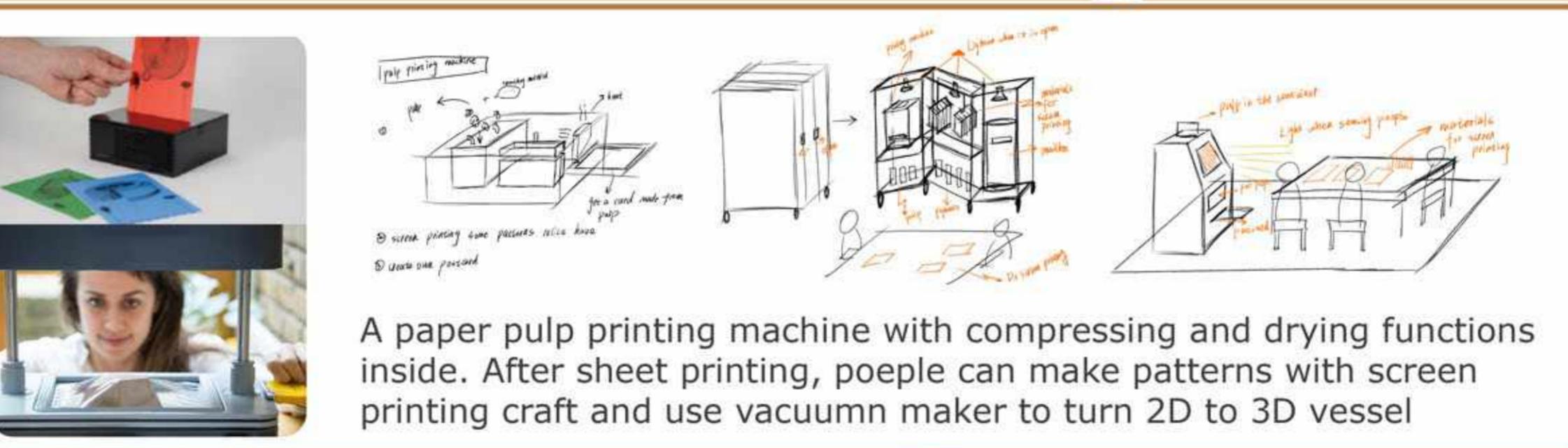
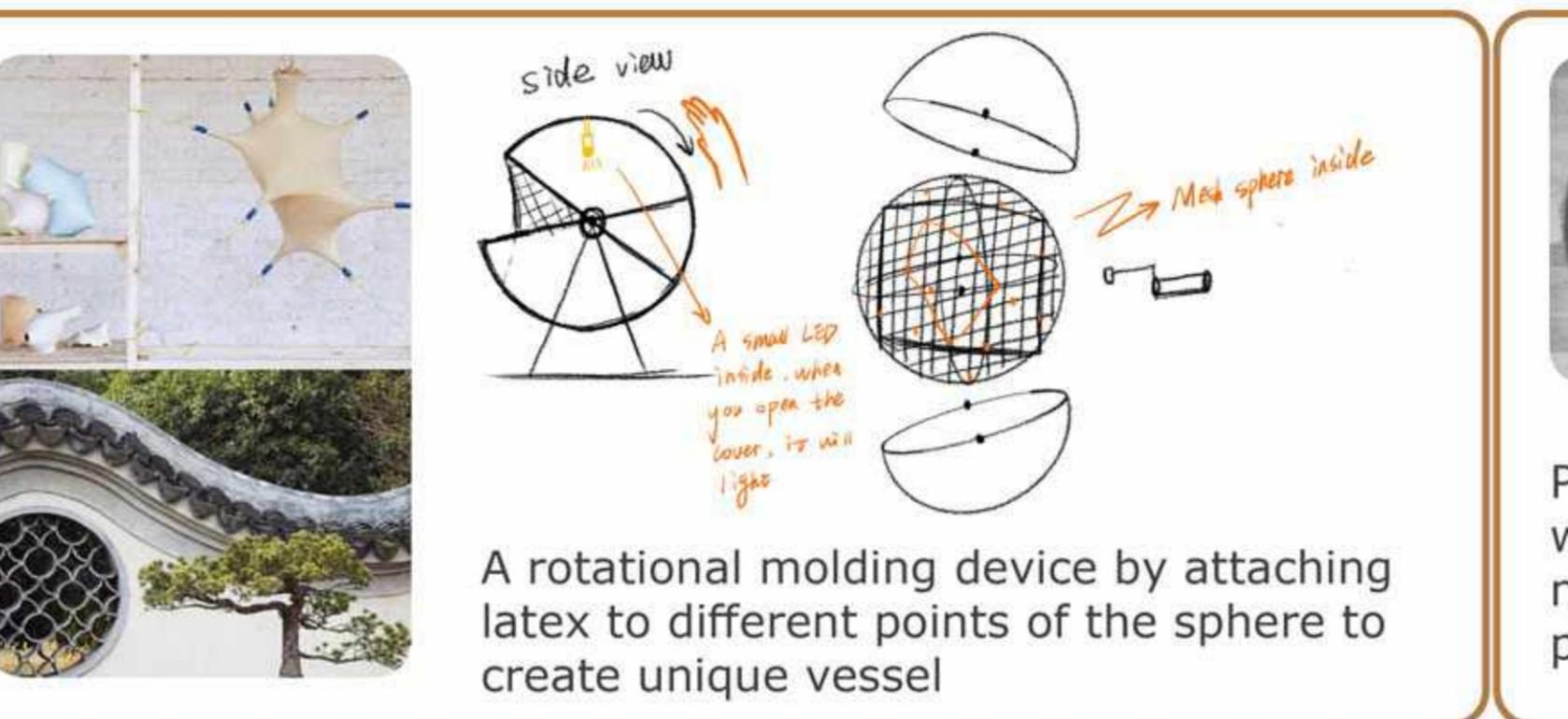
IDENTIFICATION

MATERIAL CHOICE



Waste paper has better sustainability but napkin has better prototype looking. The further test with glue and flour mixed has better looking than pure pulp.

IDEAS AND CORRESPONDING TESTS



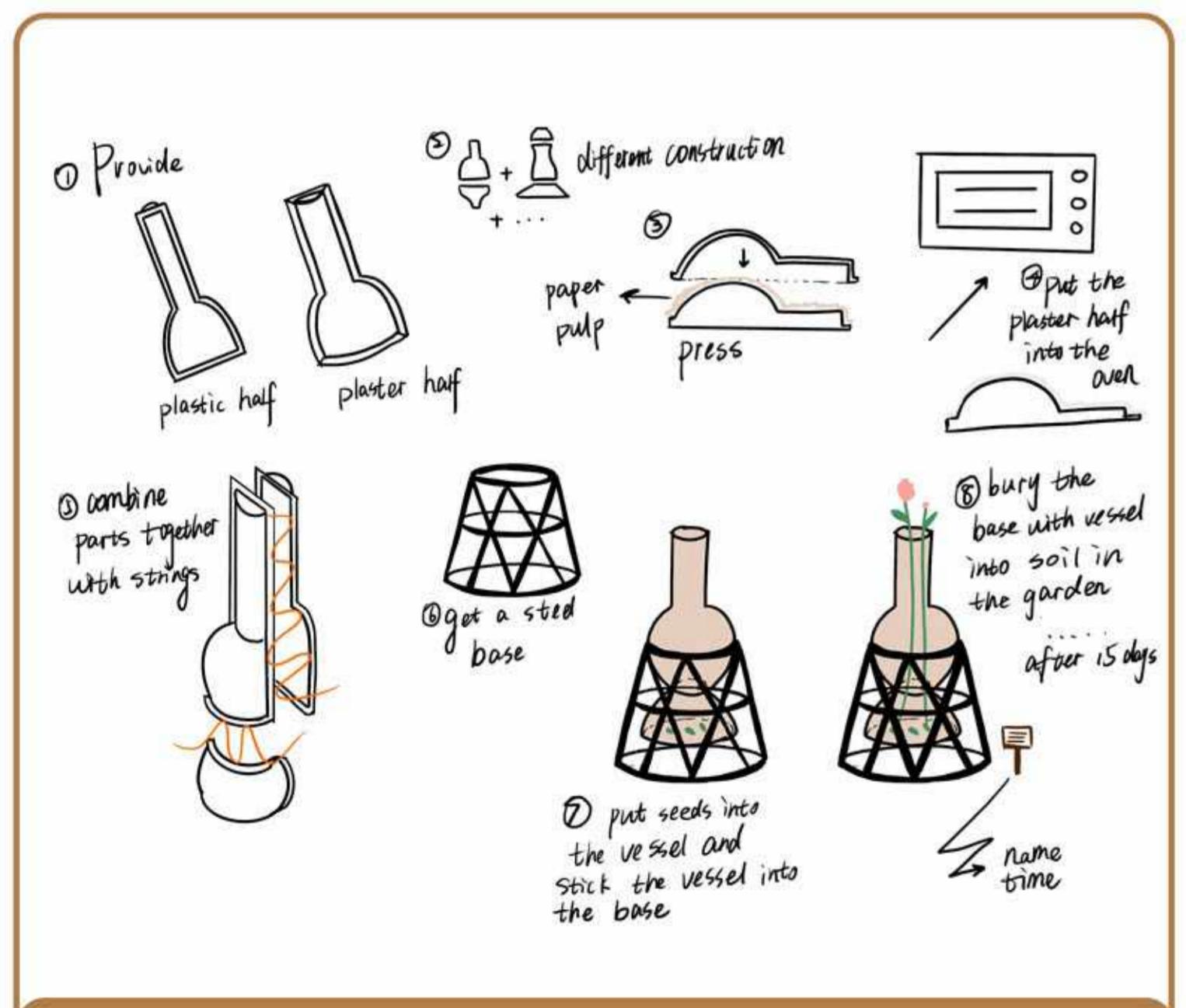
According to research, mostly only plastic sheet such as PETG sheet can be used for vacuum maker, while paper sheet will break because it is too fragile.



CONCEPT AND IMPROVEMENT

INITIAL CONCEPT

According to previous tests, the third idea proved feasible, thus a initial workshop concept with step-by-step process was created.



FURTHER CONSIDERATION

- Use **natural jute string** to substitute cotton string
- Use **environmental protecting white glue made of Vinyl Acetate** to substitute PVA

- Explore **different connecting ways** of the half molds
- Maybe **focus more on the paper pulp** to make it more stable instead of considering **extra material**?



PROTOTYPE AND ITERATION



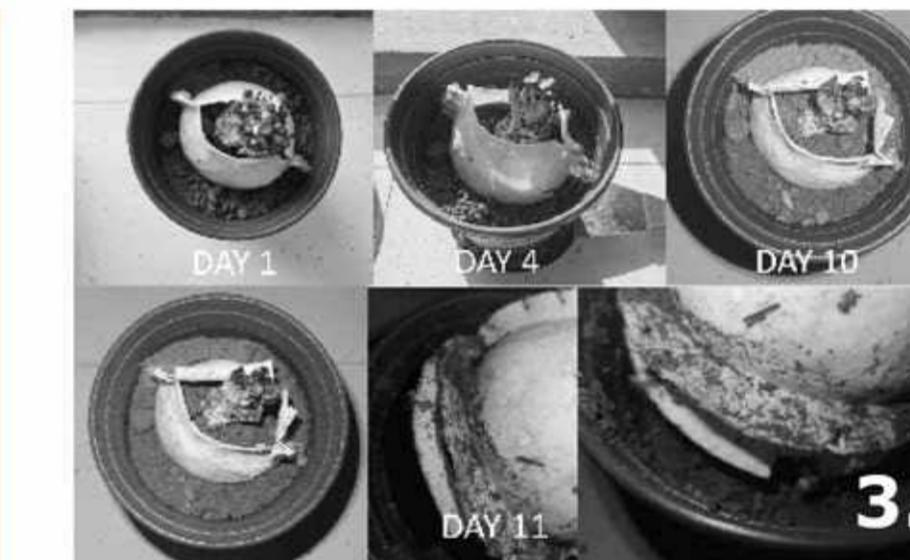
For better **stability**, **bottom + two halves** were considered instead of four halves



Can one half **stuck inside another**? The edge of one half is **a little bit longer** than another



The previous one cannot be combined tightly, this iteration **adds the length of one edge** for tighter combination. Also, pressing pulp with another half is not necessary, because paper pulp still needs to be modified with hands due to some holes.



It is the further bio test based on the whole vessel. Day 11 shown the trends of degradation such as separation and wetness, but it still needs over 1 months for complete degradation



17 people gave **feedbacks** for this two types of outcomes, from perspectives of appearance and function. More voted the first because it looks more **like ancient relics** and is more related to the **simple and natural life philosophy of Suzhou Museum**

FINAL WORKSHOP ARRANGEMENT

1. GUIDING POSTER



2. MAKING MANUAL

CON-BIO WORKSHOP MANUAL

TIPS

- 30-40 minutes for an individual to finish one
- Collaboration is strongly recommended
- Much patience is needed.

LIST OF TOOLS

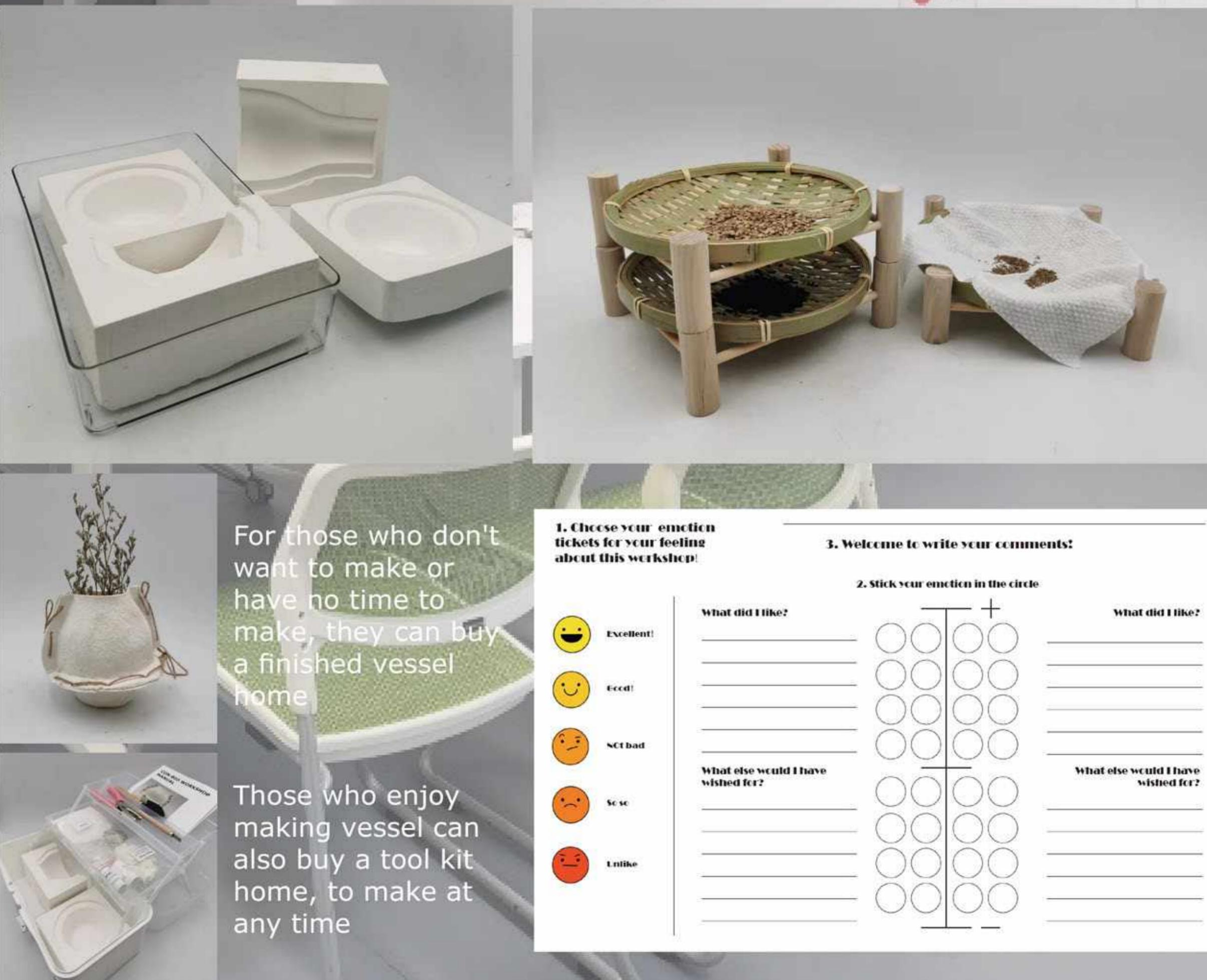
1. Paper pulp (mixed with flour and sustainable white glue)
2. Plaster mold
3. Puncher
4. Scissor
5. Graver
6. Twine

INTRODUCTION

This manual is documenting the whole process of a workshop in Suzhou Museum, which is designed for visitors to communicate with each other, communicate with collections inside museum in a different way, also to promote innovation and sustainability. It will guides users to reconstruct different shapes of existing vessels with the material paper pulp step by step, thus creating their own unique vessel by collaborating and handmaking. Key processes are explored, from paper mold forming to final vessel constructing and planting. The process encourages visitors to innovate, communicate and help with each other, also, to take their time and enjoy making.

STEP 1 One bottom and two kinds of upper shapes are provided. You can choose one from these two.
STEP 2 Smear the paper material inside the sunk surface of plaster mold with a thin layer.
STEP 3 Correcting and smoothing the edges with graver to make the edge more flat.
STEP 4 After smearing, put the mold into the oven for heating 10 minutes.
STEP 5 After drying, demold the paper mold with the help of graver.
STEP 6 Trim the edges with scissor.
STEP 7 Make holes on the edge with puncher.
STEP 8 After smearing, put the mold into the oven for heating 10 minutes.
STEP 9 Connect the up and bottom in the same way.
STEP 10 Put another 5 shovels of earth inside your vessel to cover your seeds and water a little.
STEP 11 (Optional) You can bring your vessel into your home and plant in it. The vessel will gradually degrade and turn into nutrients for your plants and your plants will grow.
STEP 12 Choose one type of seeds and put several seeds into your vessel.
STEP 13 Get a finished vessel.
STEP 14 If you want to plant immediately, put 5 shovels of earth inside your vessel.

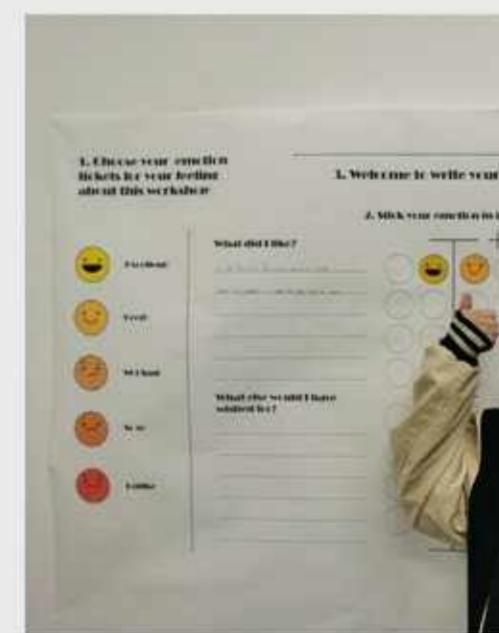
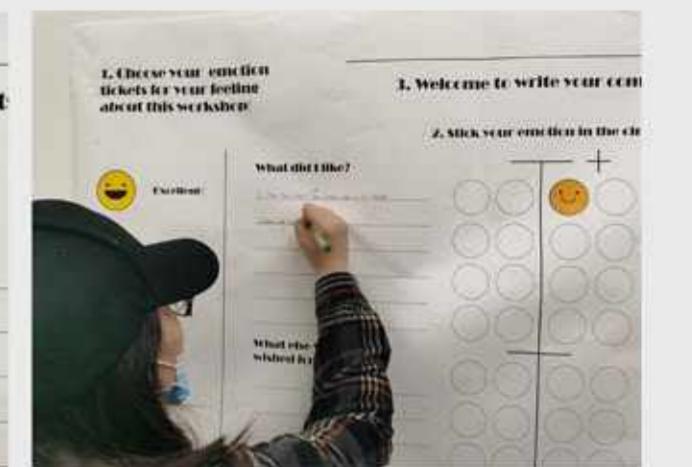
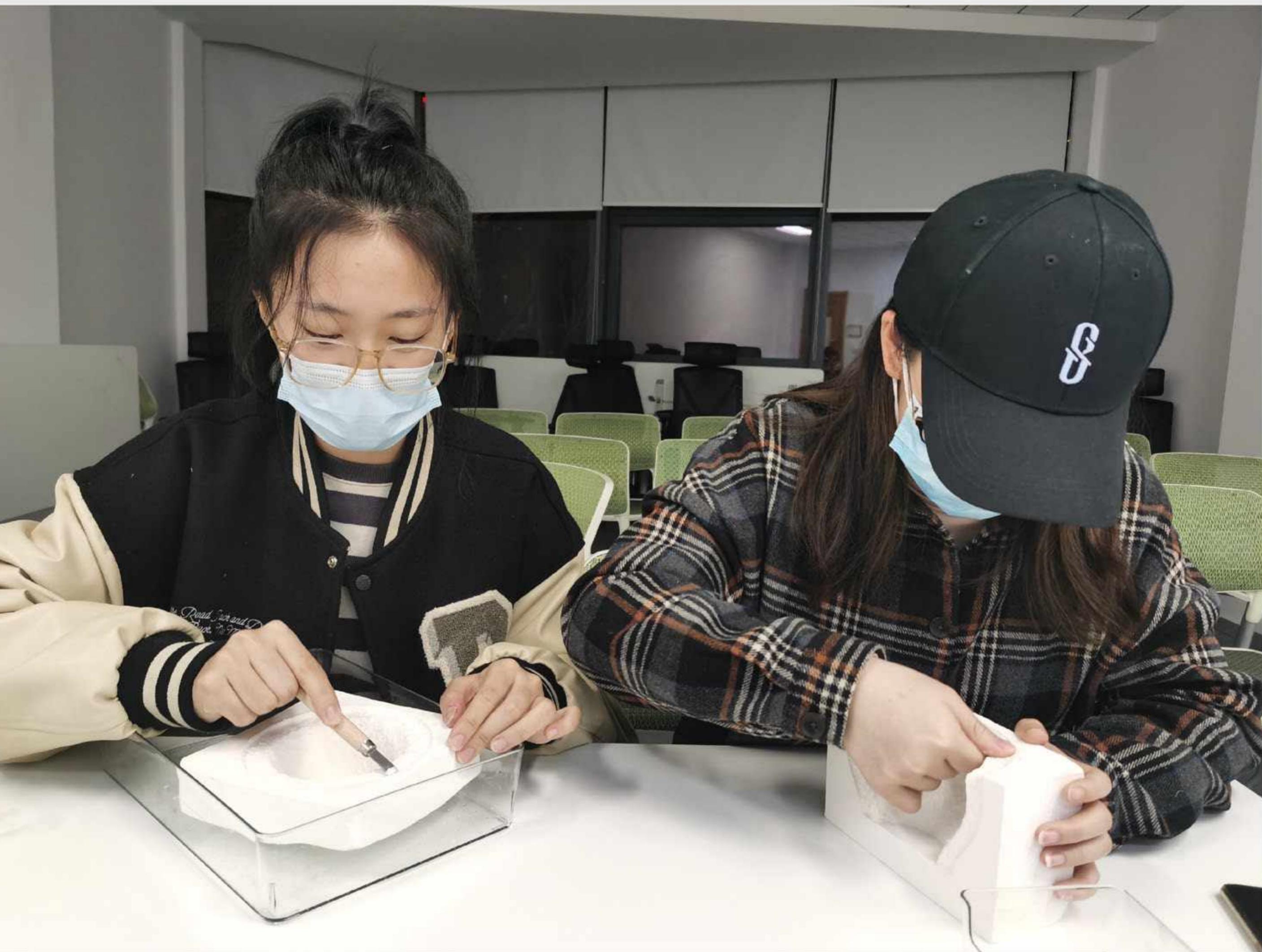
3. TOOL ARRANGEMENT AND FEEDBACK GAINING



Detailed pictures of plaster moulds and seeds are shown

A feedback poster is posted on the wall: people can stick their emotion tickets and write comments

WORKSHOP DOCUMENTATION



OUTCOME DISPLAY



RE-WEAVING SHUANGTA

It's a project for improving communication and culture in Shuangta community. The theme is 're-weaving'. In the main installation, stories are collected and known by voice and images. People can also share their stories by talking through another story-collecting installation. Research was done in a team and concept was developed individually.



6/28 - 7/4 2021 School Workshop

BACKGROUND AND RESEARCH

INTRODUCTION

Suzhou Shuangta, also known as Twin Pagodas, are two ancient towers built in the Song Dynasty located in Suzhou, Jiangsu Province. They have almost the same appearance. Each one has 7 floors, the east tower is 33.3 meters high, and the west tower is slightly higher, 33.7 meters. The twin pagodas were built during the Taiping Xingguo Period of the Northern Song Dynasty. They are the only twin pagodas that are so close to each other. The distance is only 20 meters. To build such pagodas, requirements for the foundation are quite high, which shows the scientific ingenuity of the ancient people's superb wisdom. Suzhou Twin Pagodas and its main hall are now listed as national key cultural relics protection units. The temple went through several rises and falls, and was destroyed by war in 1860, leaving only the remains of the twin towers and the main hall. There are some stone pillars, stone foundations, stone thresholds, remnants of stone arhats, and stele inscriptions in the ruins of the main hall.

FIELDWORK



Grandma Wang
80 years old

- I like to enjoy the shade under the ginkgo trees in the main hall of the Twin Pagodas Park, it is good for my heart disease



Grandma Zhang
55 years old

- I miss the time when there was a tea room in the Twin Pagodas, where everyone could drink tea. There is no activity now, and there are fewer people



Miss Li
24 years old

- In the past, there was a Twin Pagodas food market, which was cheap. When we were young, we often watched outdoor movies next to the twin Pagodas. Now the food market is gone, and the items sold in the Twin Pagodas Market are much more expensive than the food market before.

- I am a tourist. I often see the activities of the Twin Pagodas Market on social platforms. I find it very interesting. I don't have much interest in the twin Pagodas and remains themselves.

CHALLENGE

Young people are more interested in the popular market. Also, many people live here don't want to go to Shuanta only due to the 8-yuan ticket. It is necessary to wake up memories of local people and let visitors know the stories and get to know Shuangta actively.

OBSERVATION

VARIOUS SHUANTA

Shuangta can be seen around Shuangta community.



The logo of the Shuangta Market using Suzhou Mazi



Shuangta in Shuangta Yingyuan



Shuangta inside the main hall site



Shuangta at Dinghui Temple Lane

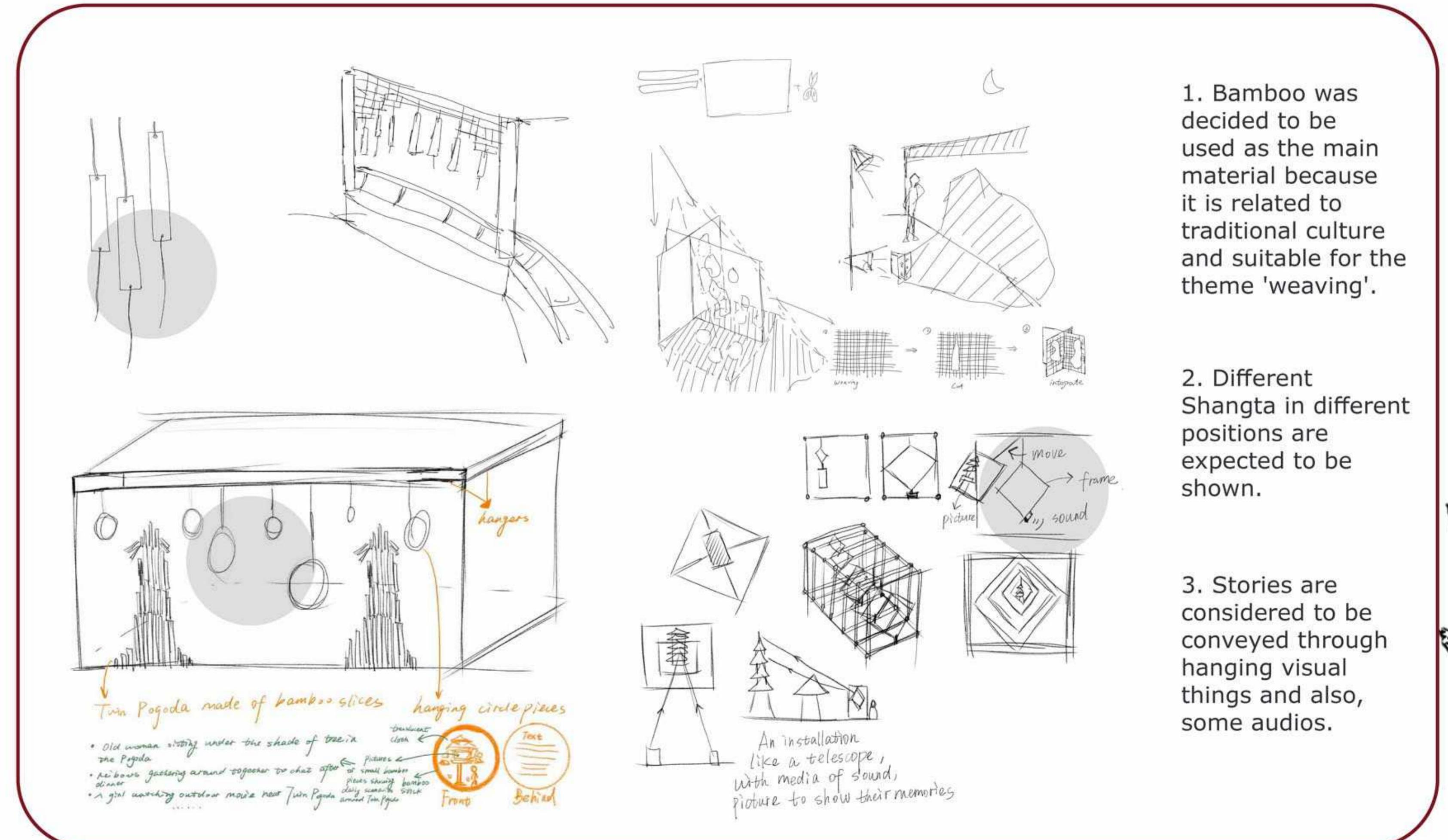


Shuangta at Tangjia Lane



Shuangta on Wuyu Bridge

INITIAL IDEAS



1. Bamboo was decided to be used as the main material because it is related to traditional culture and suitable for the theme 'weaving'.

2. Different Shuangta in different positions are expected to be shown.

3. Stories are considered to be conveyed through hanging visual things and also, some audios.

CONCEPT

COLLAGE

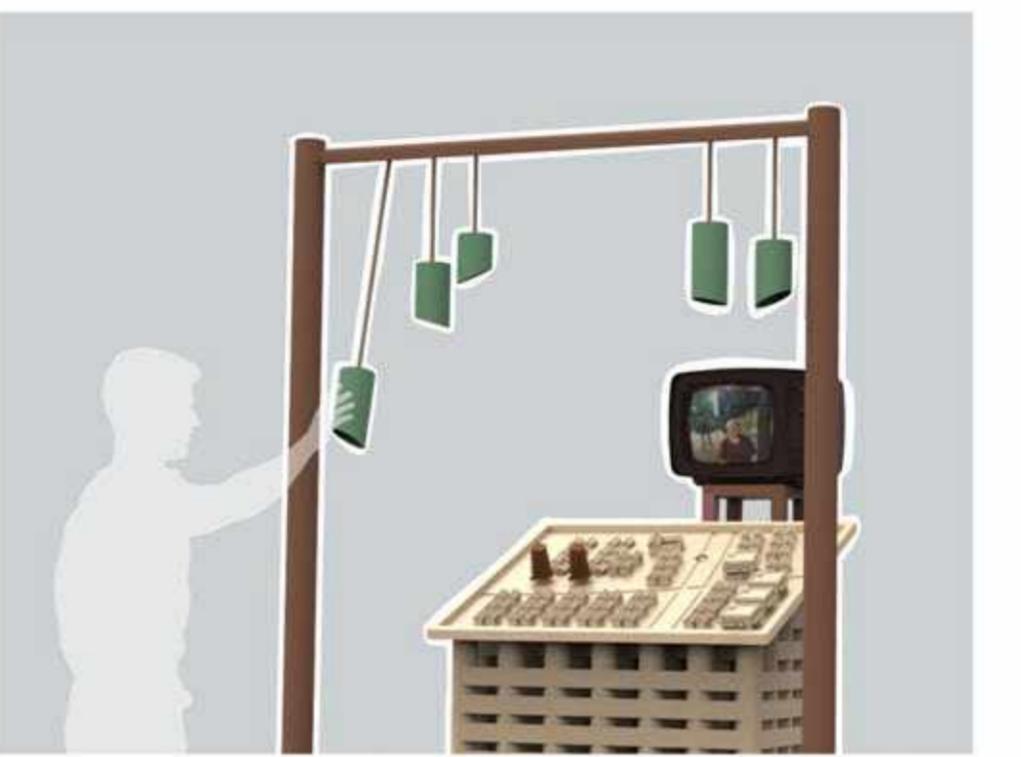


FINAL DISPLAY

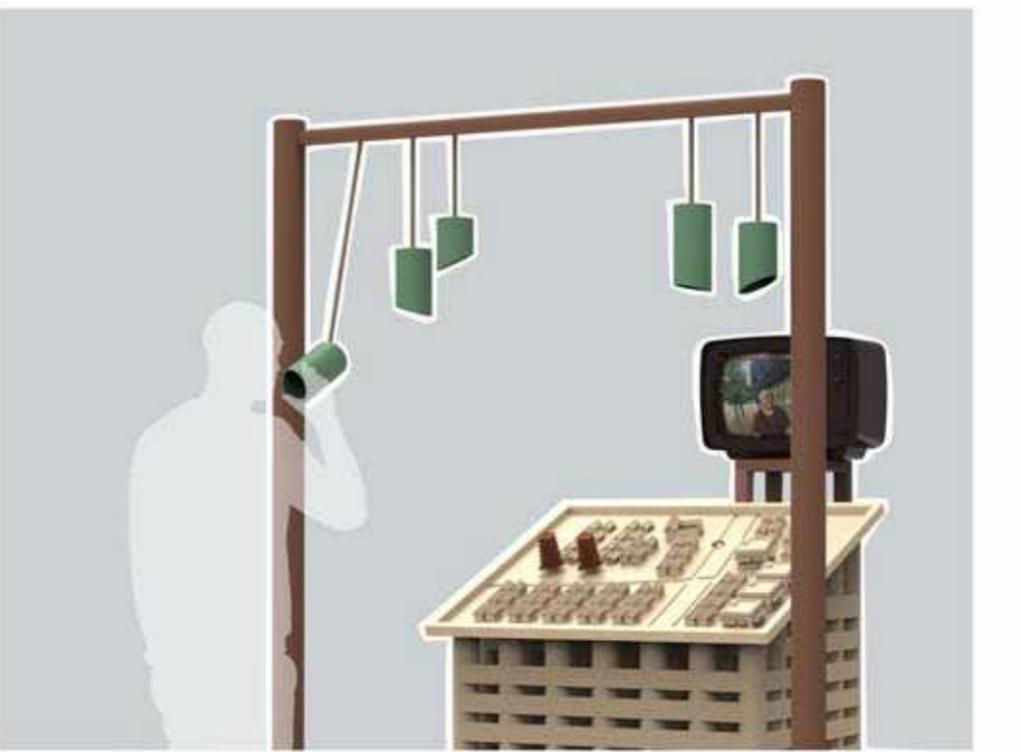
MODELS AND SCENARIOS



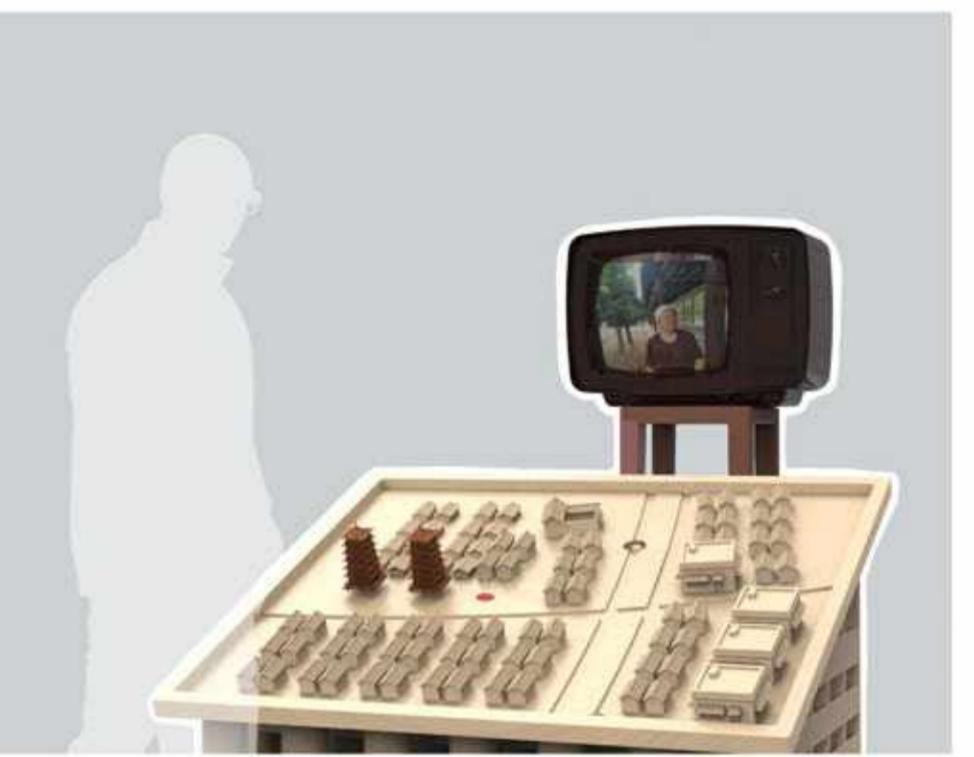
STORYBOARD



Choose one bamboo tube and pull the rope down.



Then put the tube in the ear and listen to the stories.



The corresponding location will lightens on the panel, and stories in this location starts to play in TV.



Pick up the telephone and talk about your stories, they will be collected.