

# PORT- FOLIO

## Industrial Design

- Product development
- Concept Ideation & Visualization
- Human Factors & Ergonomics
- CAD & 3D Modeling
- CMF & Materials/Processes

## Communication Design

- Branding & Identity
- Layout & Typgroghy
- UI/UX Interaction Design
- Motion/Graphics Basics
- Illustration

# About Me



Hello, I'm Ege. I'm currently studying Industrial Design at Özyeğin University and I'm also doing a double major in Communication Design. Drawing has been part of my life since I was a kid, and it's still the main way I visualize ideas and communicate them. I was also really into geometry in high school, so I naturally care about proportion, structure, and clarity—turning abstract thoughts into readable forms, layouts, and systems.

In my projects, I usually start by sketching a lot, then I refine by iterating and solving the visual + functional problems step by step. I'm always trying to bring my own style and creativity into the work without losing the logic of the design.

Outside of design, gaming, sports, and music influence me a lot—especially in terms of rhythm, interaction, atmosphere, and storytelling.

## Software Skills



Adobe Photoshop



Adobe After Effects



Adobe Illustrator



Adobe InDesign



MS Office



Blender



Rhinoceros 3D



DaVinci Resolve



Figma



Procreate



Autodesk Fusion



Autodesk AutoCAD



Logic Pro

## Hobbies



Guitar



Piano



Music Production



Basketball



Snowboarding



Wakeboarding



Painting



Illustration

## Languages

Turkish (Native)

English (Advanced)

Spanish (Beginner)

## AI Skills

Claude AI - Code, Algorithms & Interactive Design

ChatGPT Research, Concepting & Image Generation

Vizcom AI-Assisted Product Visualization

## Contact

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# 01 FYRTORN

is a desk lamp that divides the table into 4 independent sections, only lighting the zone you actually need. The moveable lids on the upper sides let you control how much light reaches each section — open or close them depending on what you're working on. This way the lamp adapts to the task rather than flooding the whole desk with light.

*The form is inspired by lighthouses — isolated, monumental, and built around a single purpose. That same logic shaped the structure of FYRTORN, keeping the silhouette tall, minimal, and deliberate. Everything unnecessary was stripped away, leaving a form that feels more like an object than a lamp.*



# 01| FYRTORN

## Concept

*The core idea behind FYRTORN is simple — you shouldn't have to light the whole desk when you're only using one corner of it. Each of the 4 sections works independently, so the lamp responds to how you actually use your space rather than imposing a fixed lighting setup on everything at once. The lids give you direct physical control over that, no app, no button, just the structure itself.*

*The final material is die-cast metal with a polished finish, giving the lamp a cold, heavy presence that ties back to the lighthouse reference. It's not trying to disappear into the desk — it sits there as an object with its own weight and character. The surface quality and the density of the material are intentional parts of the design, not just a finishing choice.*



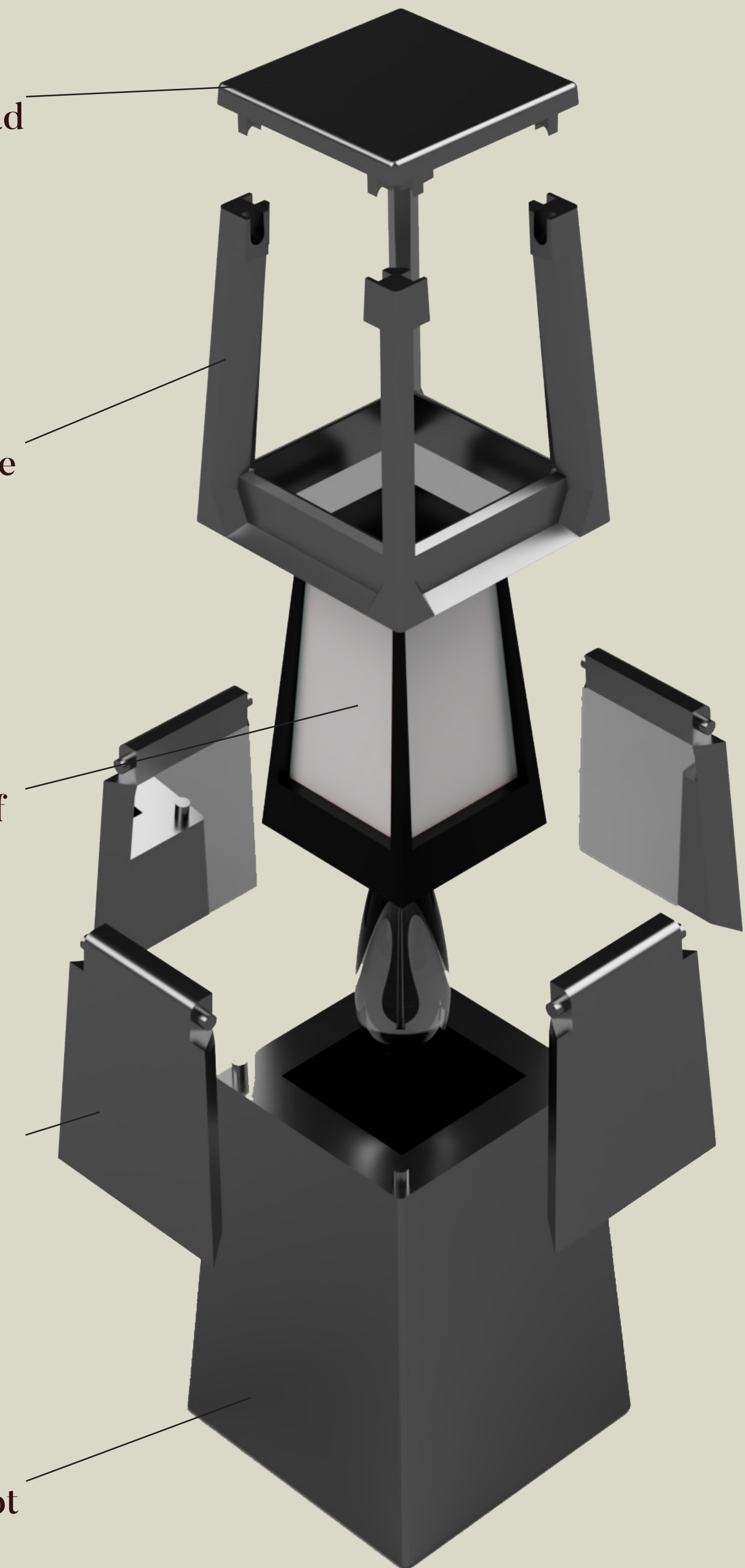
Top lid — slides into the upper rail of the structure, controls the overall light direction and can be angled to limit or widen the spread across the sections

Lid structure — the frame that holds and guides the side lids in place, keeps the positioning precise and allows the lids to slide in and out without losing alignment

Light chamber — sits at the core of the body, diffuses the light evenly before it reaches the sections, controls the intensity and softness of the output

Side lids — clip onto the frame through a sliding rail mechanism, each one is independently removable and repositionable depending on which sections need to be blocked

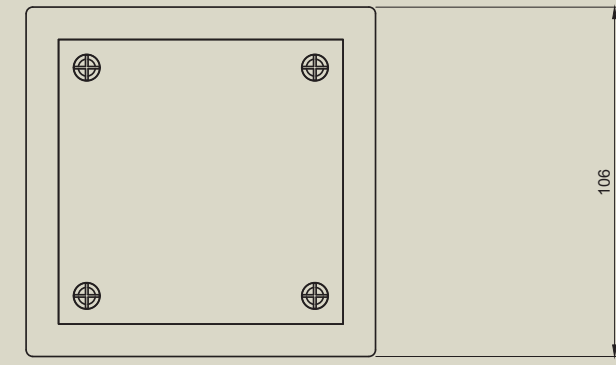
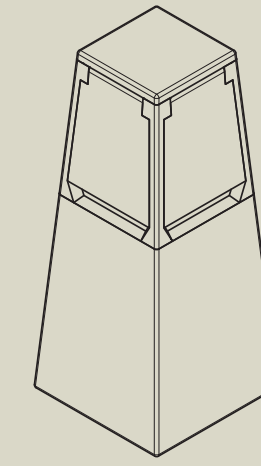
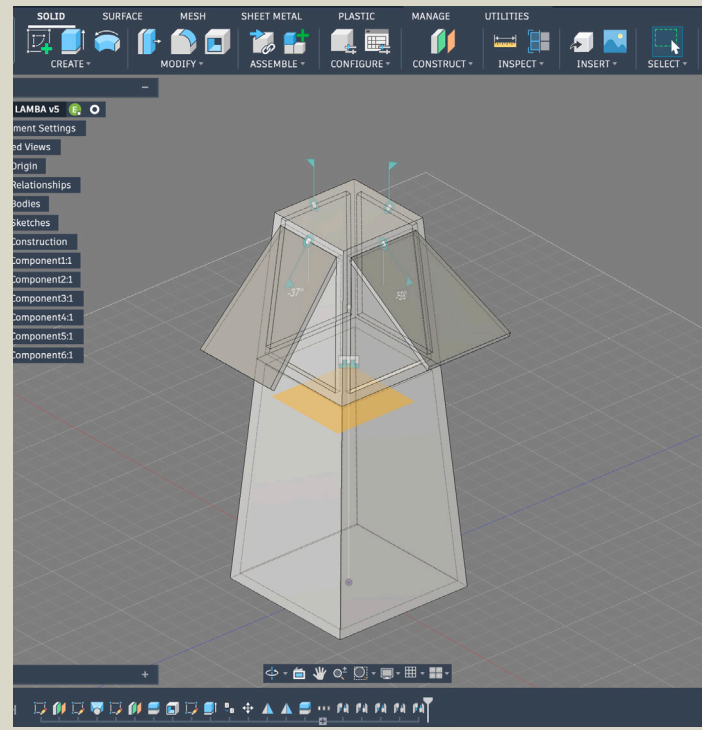
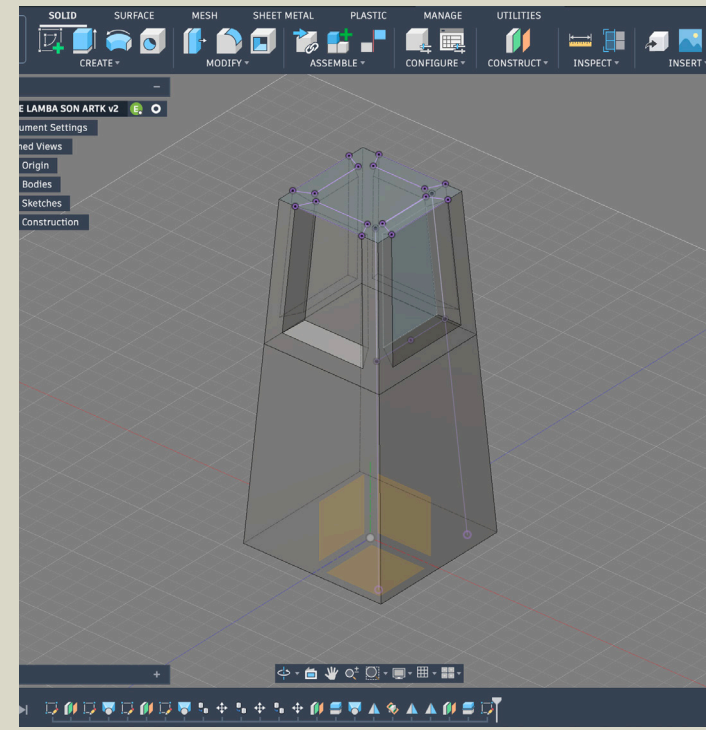
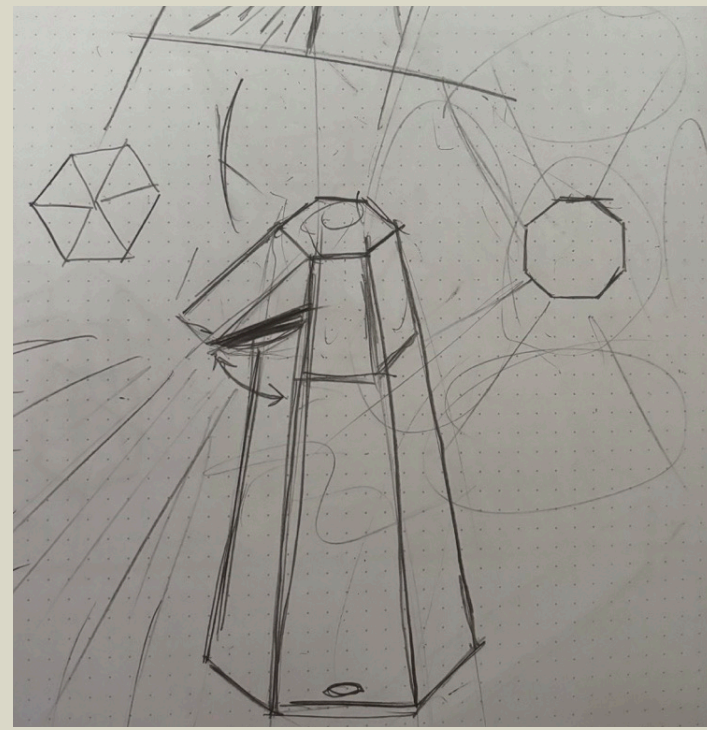
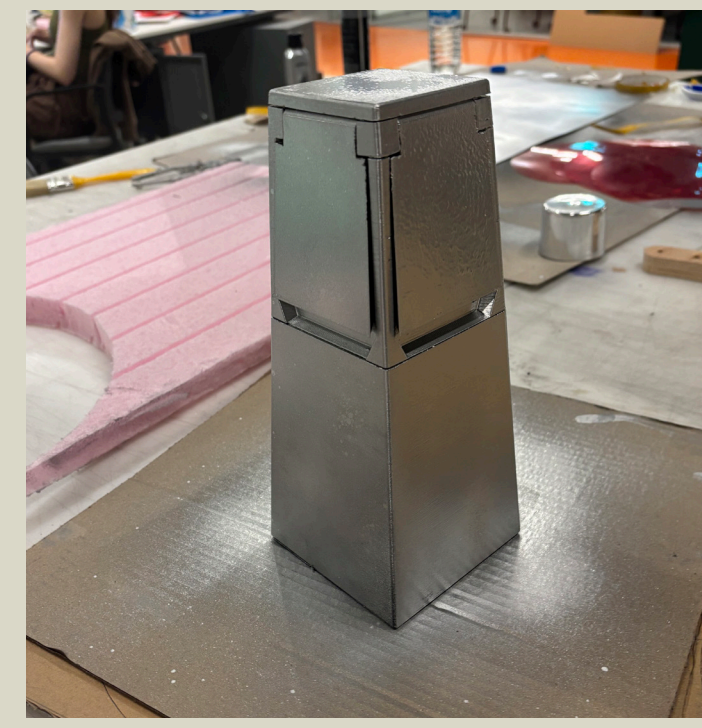
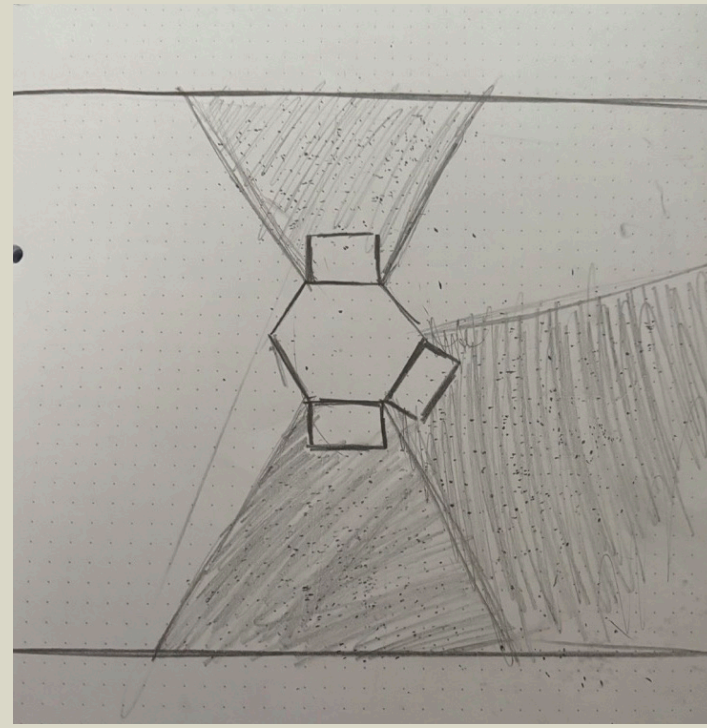
Base — anchors the entire structure and keeps the center of gravity low, all internal wiring and the rechargeable battery unit, kept as a single compact form



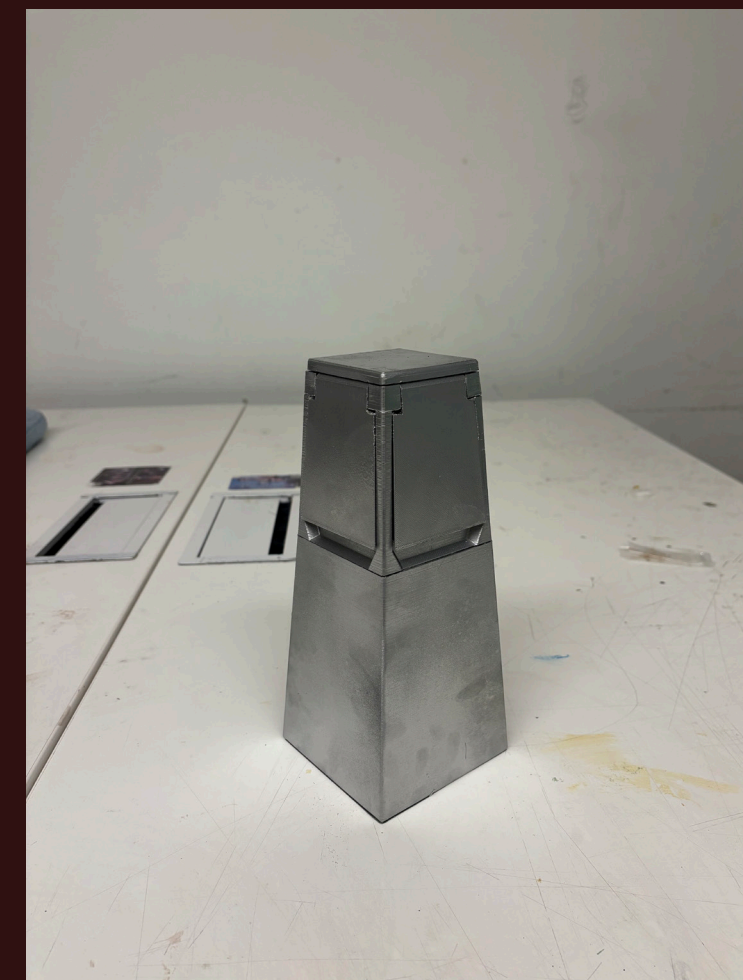
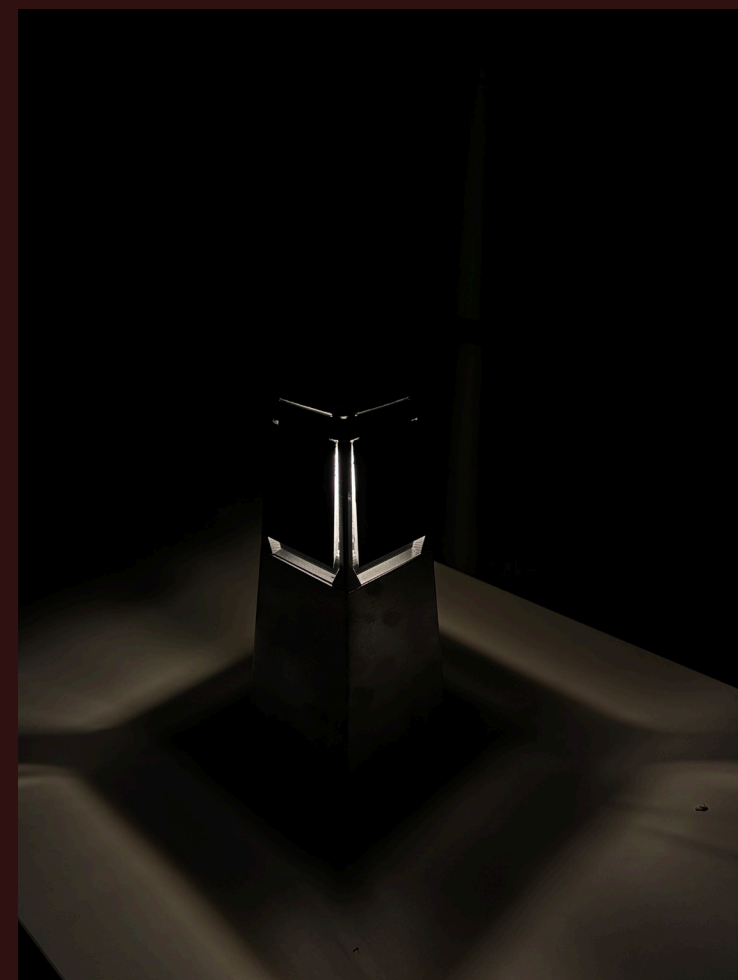
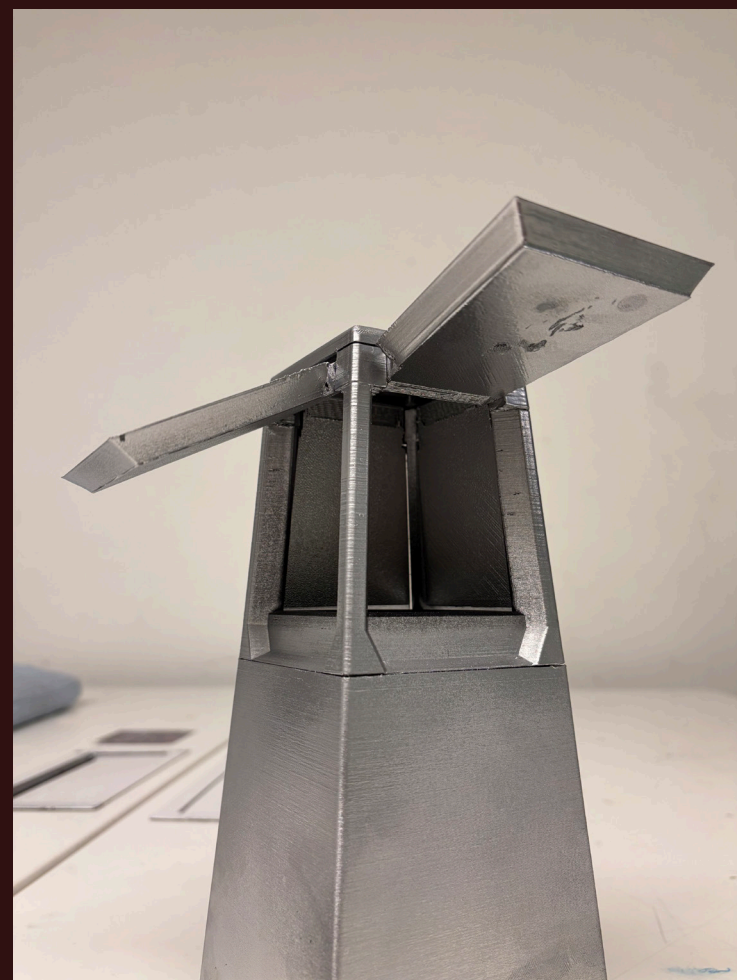
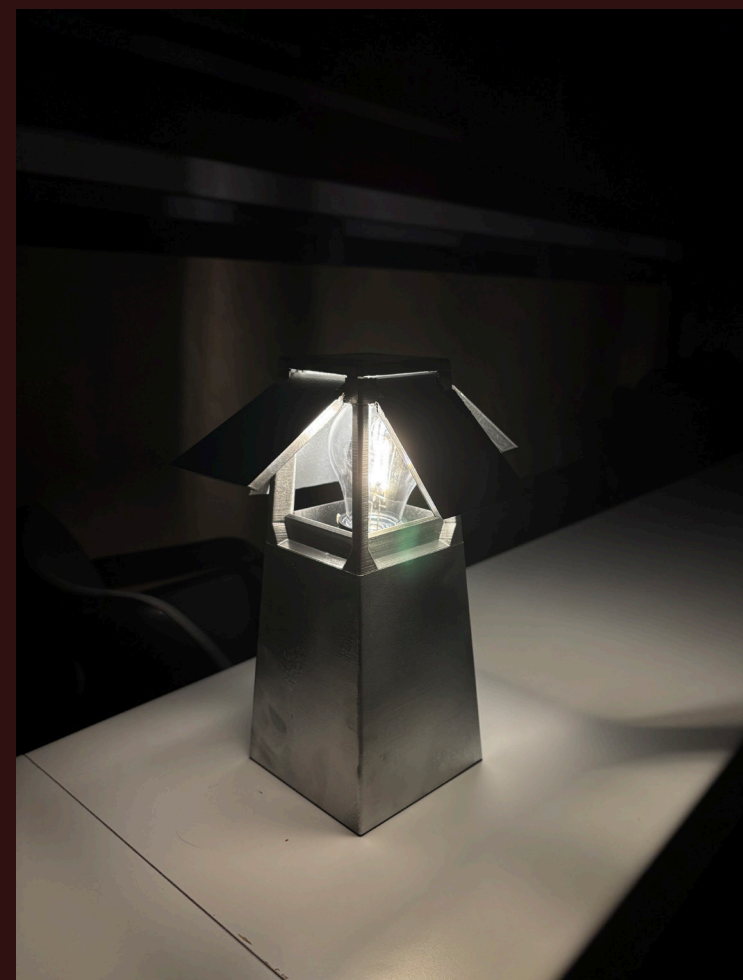
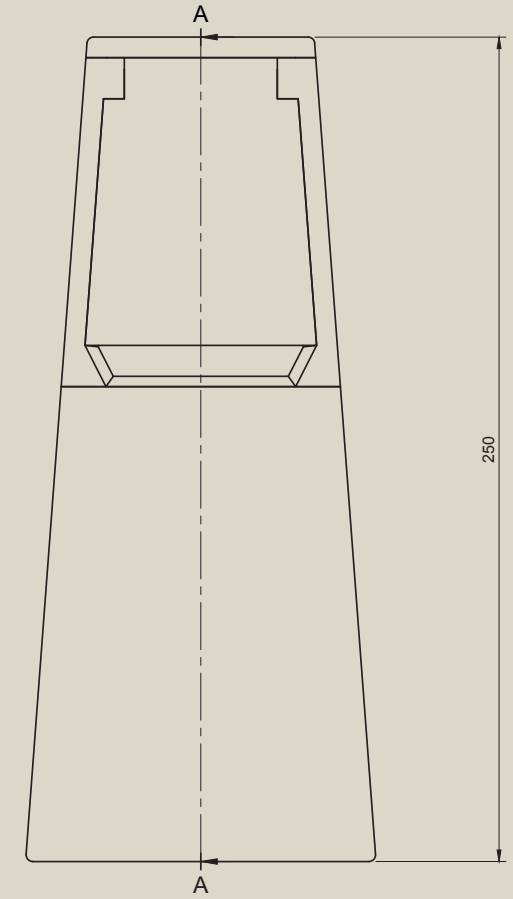
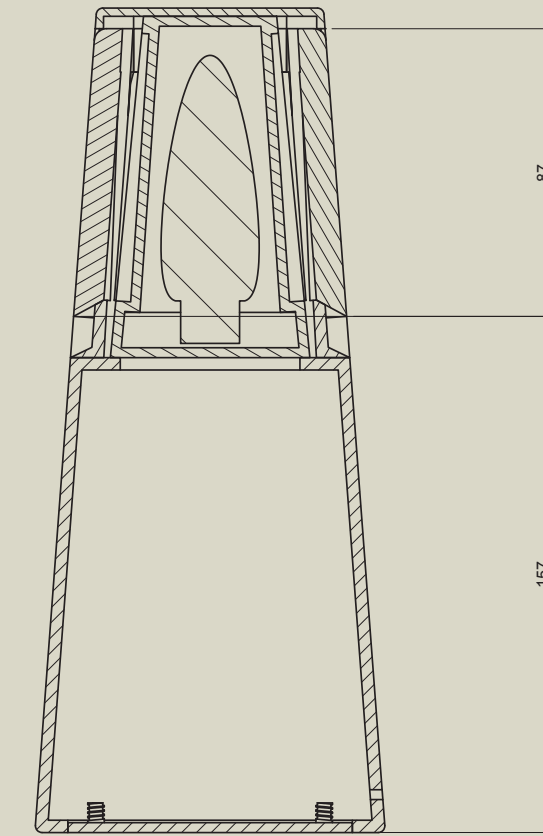
# 01| FYRTORN

## Process

Started with sketches to figure out the proportions and how the sectioning would actually work. Went through a few iterations on the lid mechanism and the base before taking it into 3D.



A-A (1:1)



## Prototype

3D printed to test how the lids move and whether the sectioning geometry holds up physically. The model ended up confirming most of the proportions from the renders.

# SmartFlex

## “Flexdoor Accessories” for BSH Refrigerators

Modern refrigerators offer storage, but rarely communication.

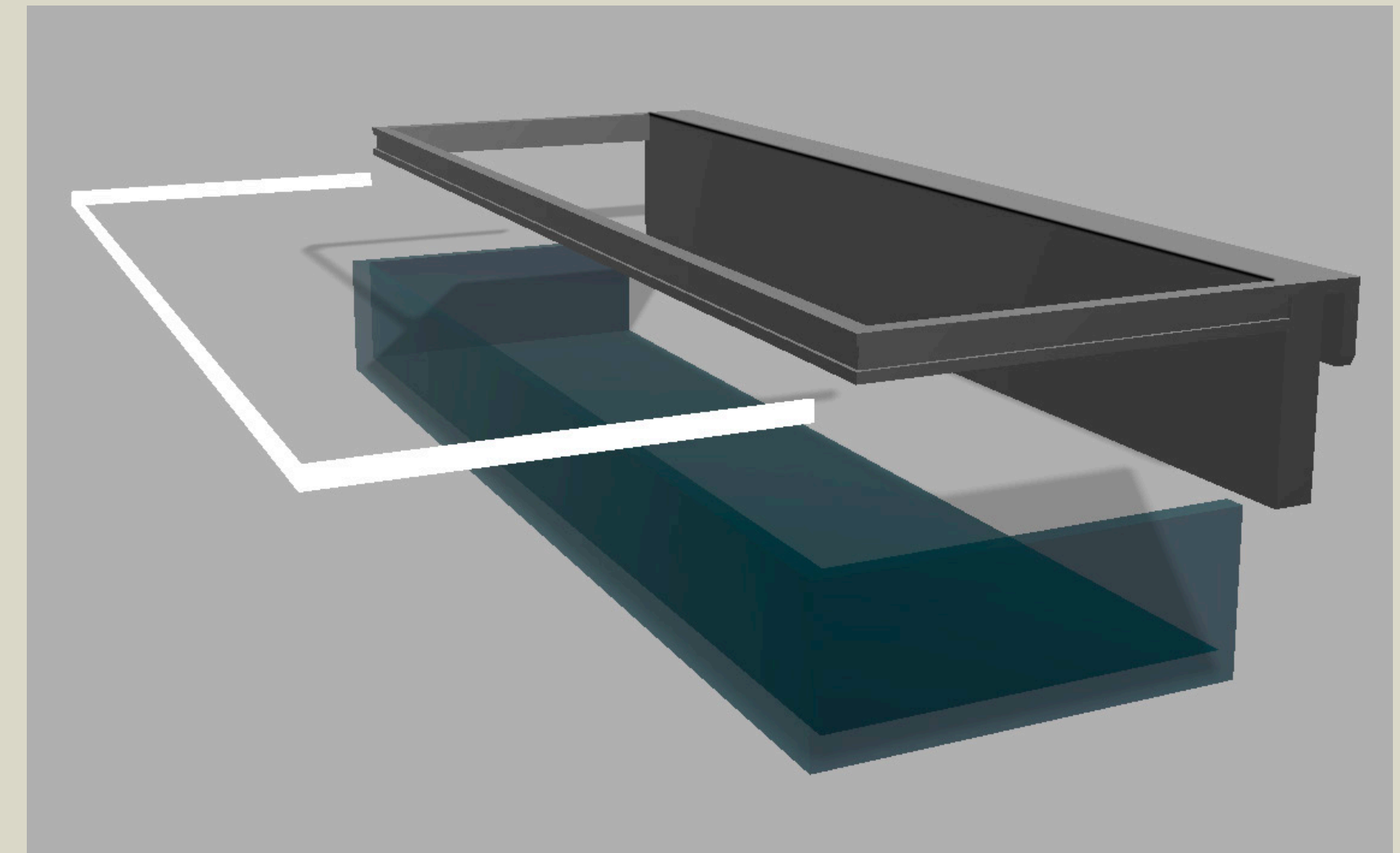
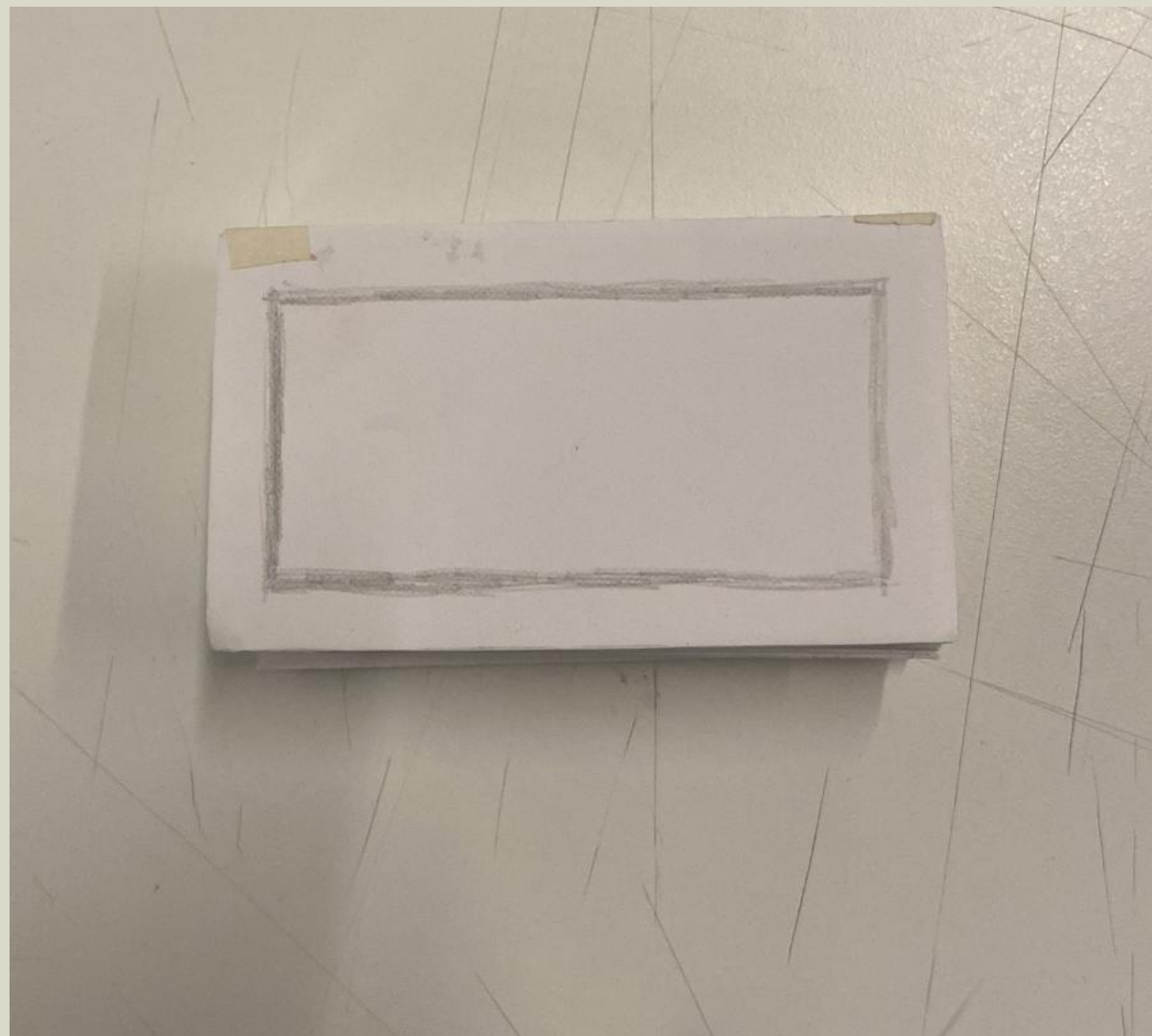
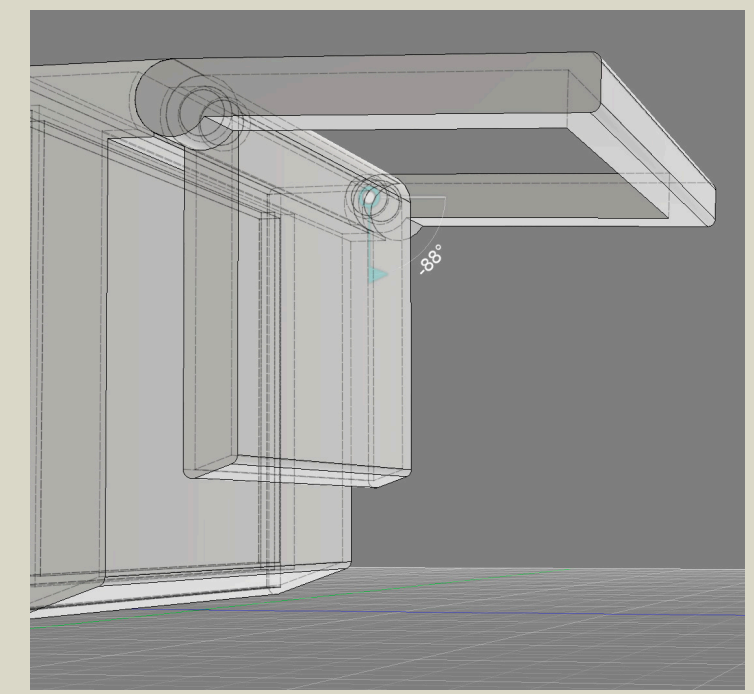
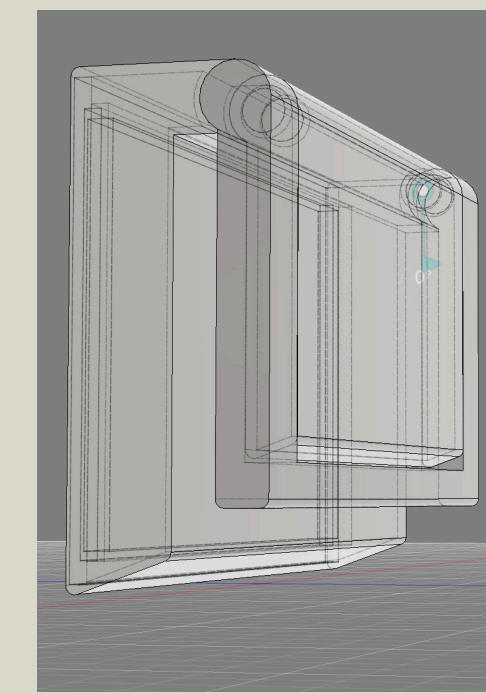
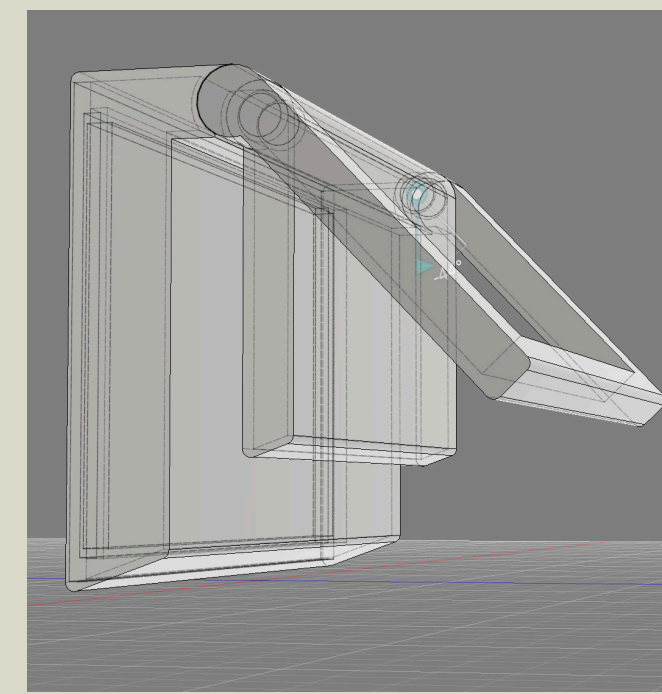
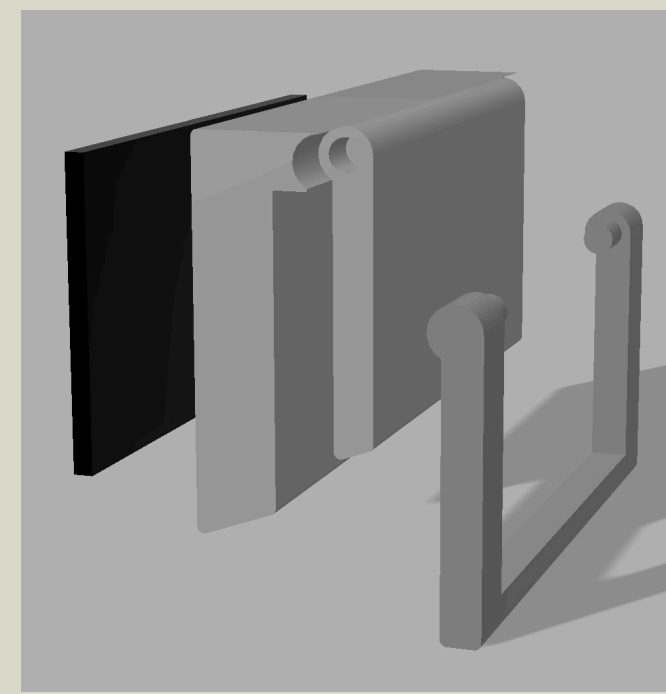
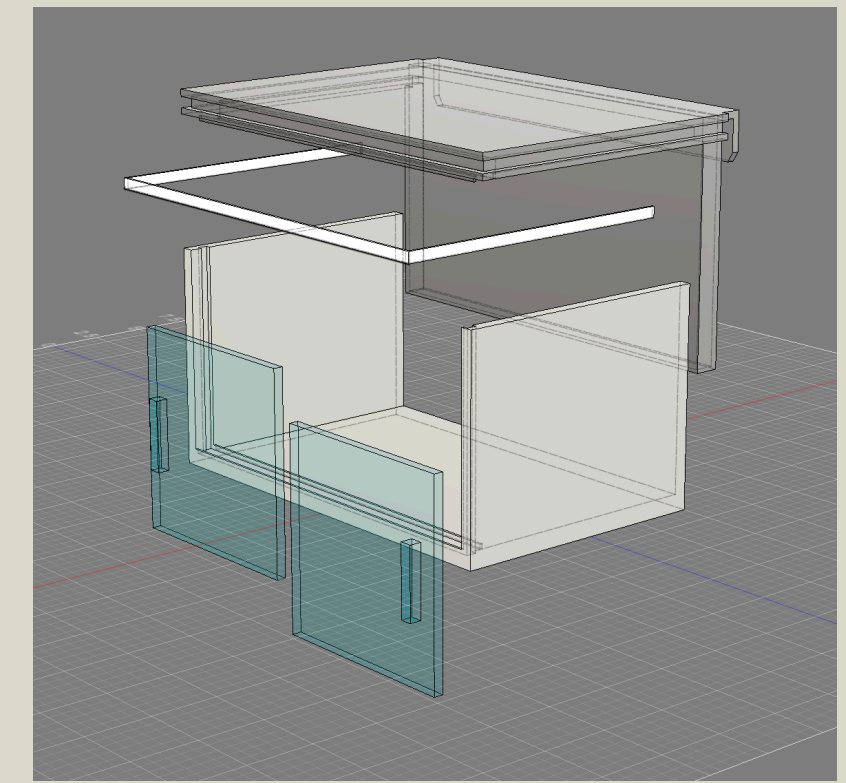
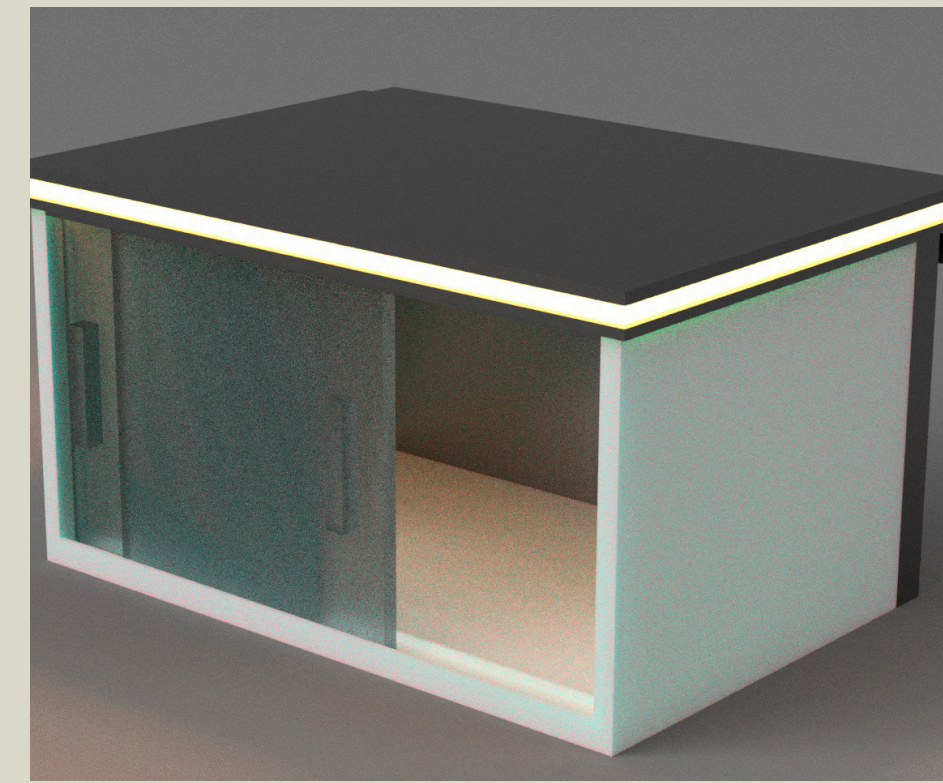
SmartFlex addresses a deeper problem — the door lacks organization, icons, and visual feedback. The goal was to design a system that helps users manage their food at a glance through color-coding, modular zones, and expiry awareness, without forcing a change in habit

The system consists of three interchangeable units — FlexSense, FlexBand, and AirTight — all designed to dock onto the refrigerator door via a low-voltage magnetic bus bar. Each unit can be freely repositioned along the door surface, letting users build their own configuration based on need. The door becomes a living, adaptable interface rather than a fixed grid



# Process

The development process was heavily focused on 3D modeling and physical prototyping. Early iterations were explored in CAD to test proportions, sliding mechanisms, and docking geometry before committing to physical form. Viewport screenshots and wireframe studies were used to evaluate each unit from multiple angles, allowing for faster iteration between ideas. Paper and foam mock-ups were then built to validate scale and grip, helping refine the final dimensions of each unit

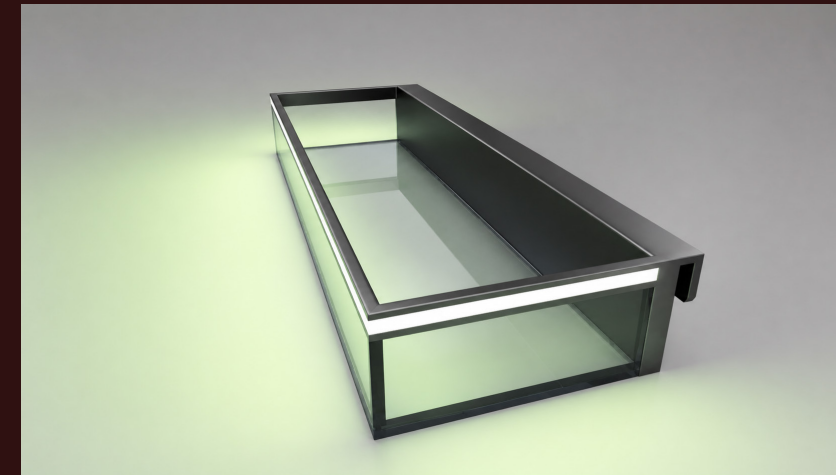


# Units



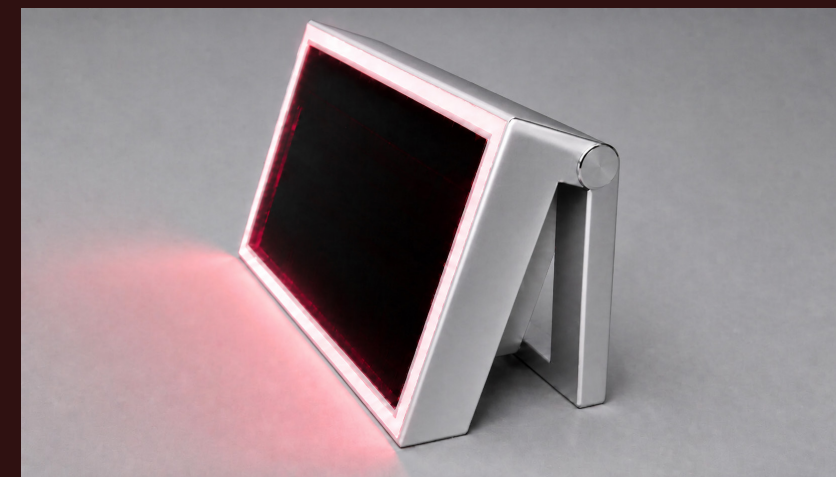
## Airtight

A sealed shelf module with dual sliding doors and silicone edges. Designed to isolate strong-smelling or sensitive products — such as cheese, medicine, or pet food — from the rest of the fridge. Prevents odor transfer and maintains a controlled storage zone



## FlexBand

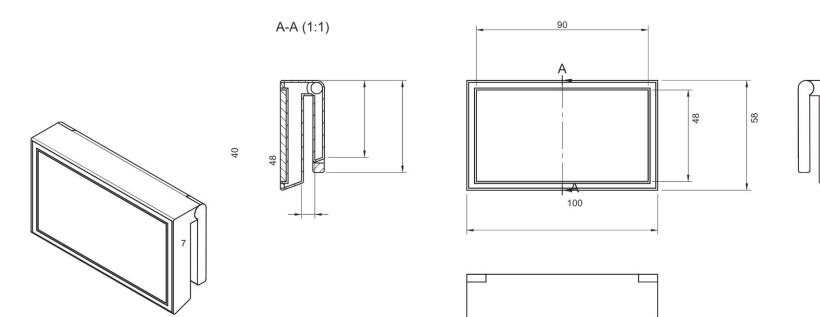
A color-changing LED band that runs along the shelf edge. Communicates quick status information through color — green for fresh, red for expiry warning, custom colors for personal categories. Designed for instant, at-a-glance reading without needing to open the app



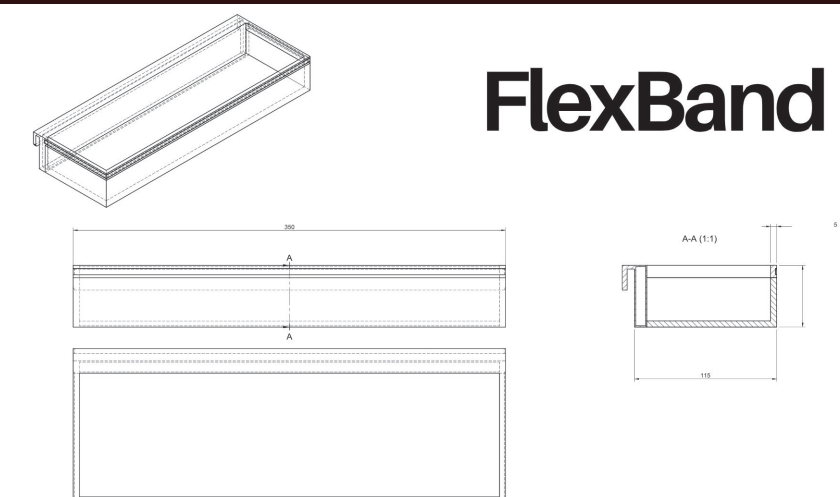
## FlexSense

A repositionable e-ink display that clips onto any shelf or door surface via magnetic docking. Shows notes, icons, expiry reminders, and shelf labels. Can be tilted and angled for optimal visibility. Works as the main text-based communication layer of the system

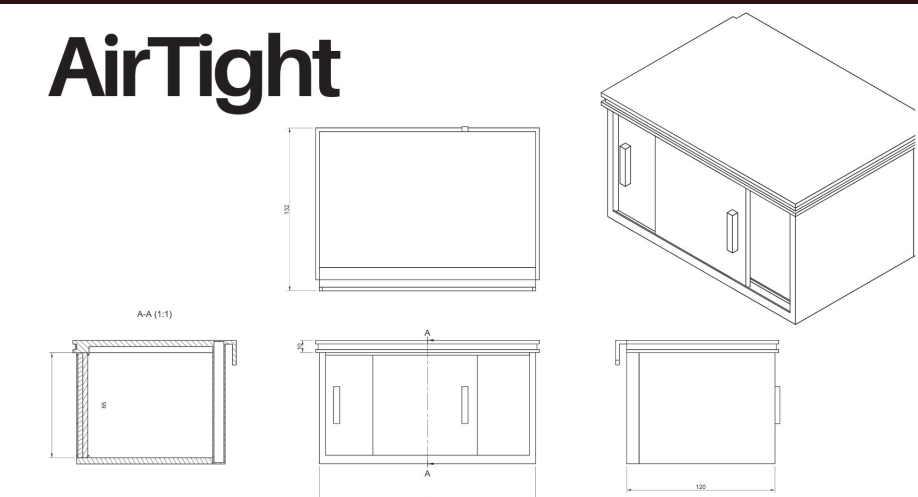
### FlexSense



### FlexBand

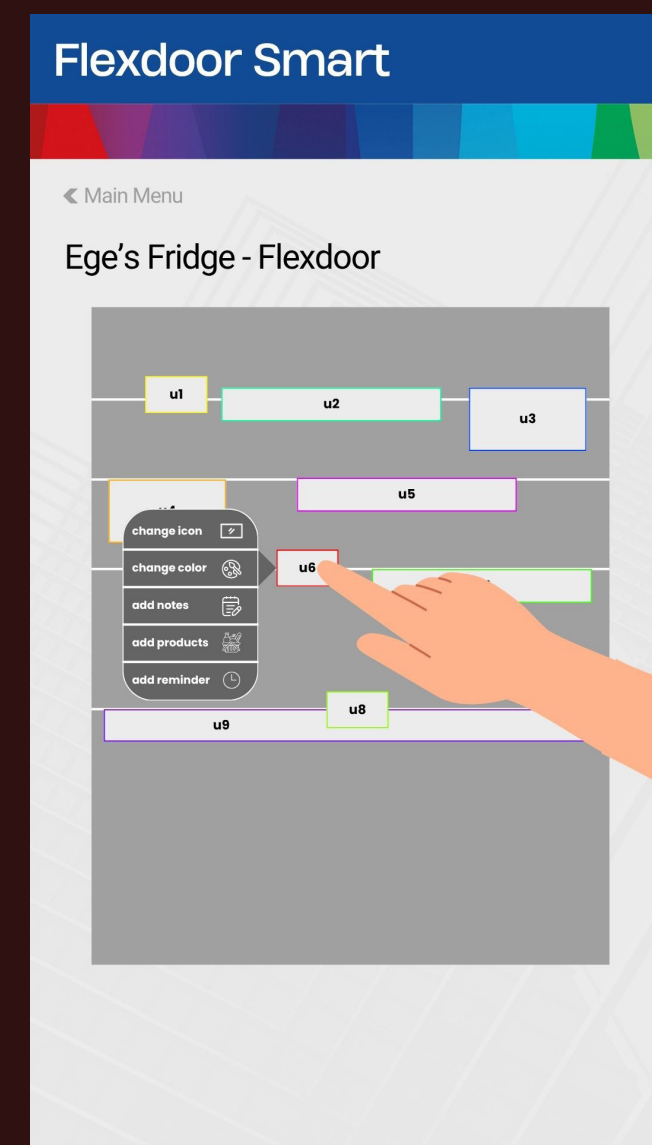
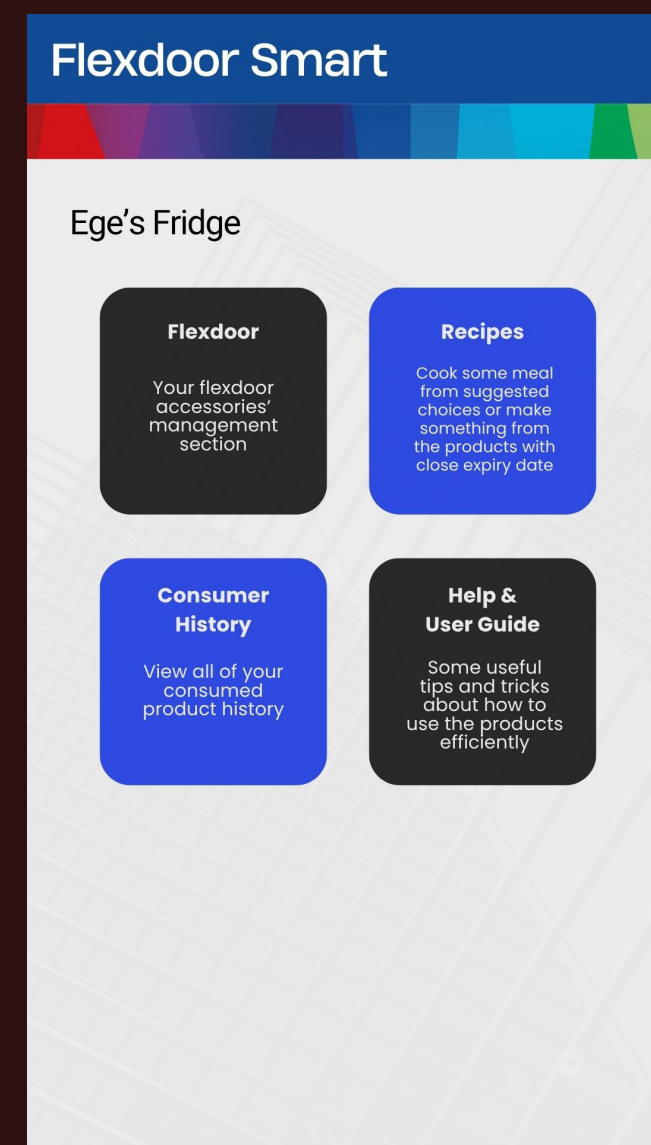


### AirTight



SmartFlex was designed around real moments — the quick glance into the fridge before leaving for work, the shared house where nobody knows whose food is whose, the forgotten yogurt that expired three days ago. The usage scenarios show how the system responds to these everyday situations without requiring the user to change their behavior. The communication happens at the point of interaction, inside the fridge, exactly where the decision is made

FlexSense displays shelf ownership and expiry reminders directly on the surface, while FlexBand signals status through color before the user even reads a word. The Flexdoor Smart app extends this into a digital layer — tracking consumption, suggesting recipes based on expiry dates, and letting users customize their fridge remotely. Together, these three layers create a system where the refrigerator is no longer a silent storage box, but an active part of everyday food management



02| SmartFlex

# Commercial Poster & Image

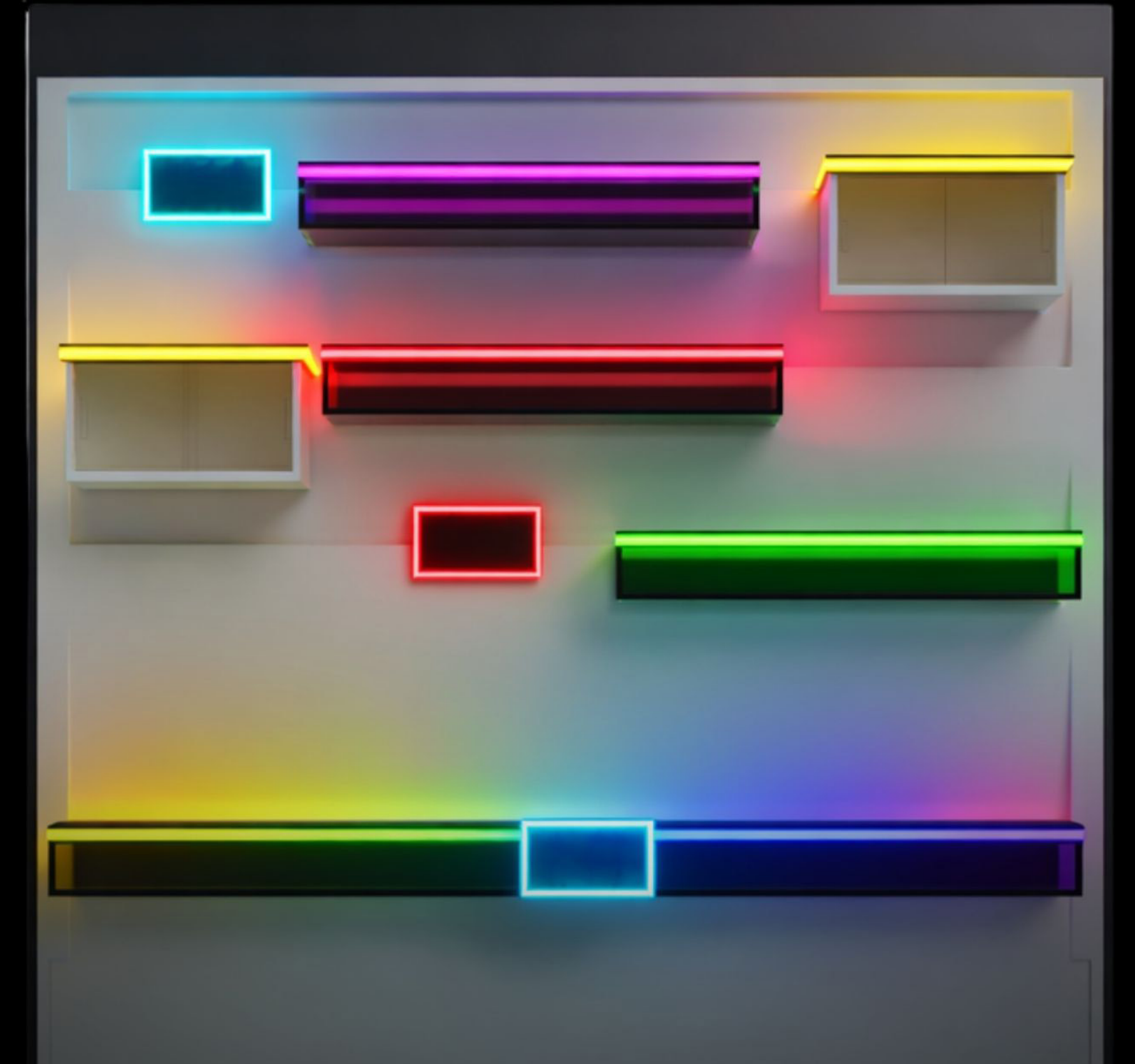
The commercial image shows SmartFlex in a fully loaded real kitchen context, exactly as it would appear in a BSH product catalog. The poster takes a bolder direction — high-contrast type and a neon palette reframe the refrigerator as a personal space, positioning SmartFlex as a lifestyle upgrade rather than just a technical accessory



EXPLORE YOUR

**COMFORT ZONE**

WITH NEW ADAPTABLE FLEX SYSTEMS



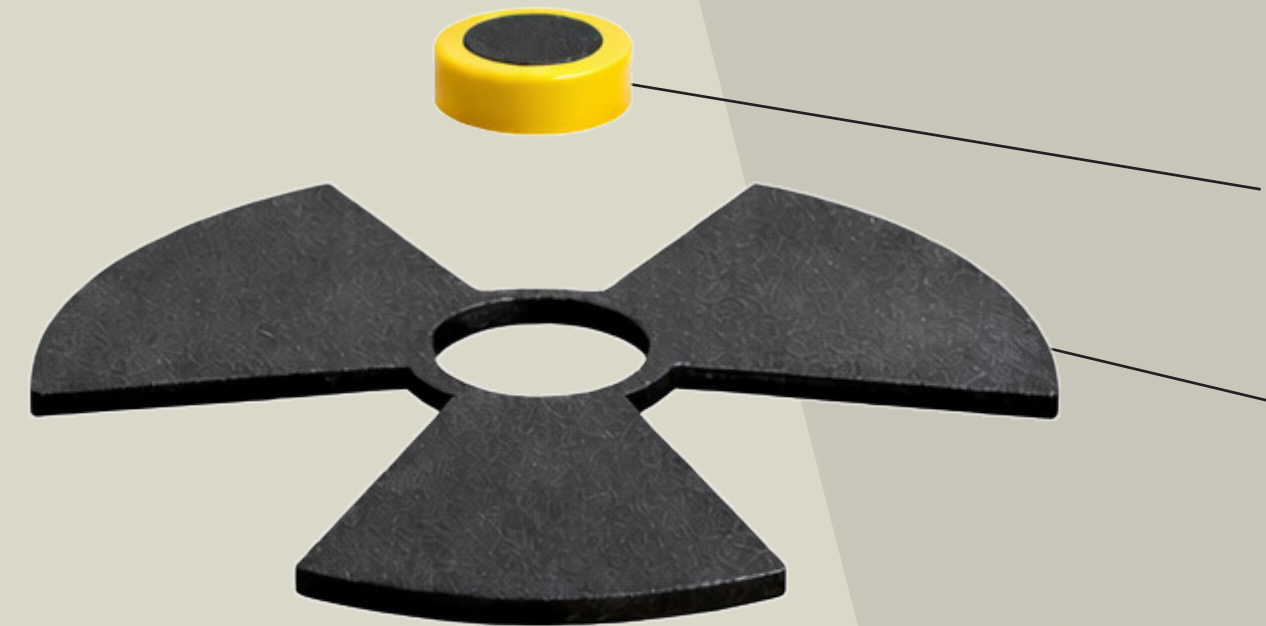


# 03 HAZARDUS

is a dual-function citrus squeezer that hides its identity behind a hazard symbol. The concept is simple: flip the lid, and the warning sign becomes a juicer. Designed around the idea that everyday kitchen tools don't have to look like kitchen tools, HAZARDUS brings humor and visual tension into a single object — making something dangerous-looking out of something completely harmless

# Components

The core mechanic of HAZARDUS is the flip. One side of the lid carries the radioactive symbol for storage — sealed, compact, ready to travel. Flip it over, and the juicer cone is revealed, transforming the same lid into a fully functional squeezer. The juice drains through the filter slots directly into the cup below. No extra parts, no separate tools. Squeeze and go



Center Cap — the small circular knob that sits at the center of the radioactive symbol, locking the decorative layer in place

Radioactive symbol — the piece that snaps onto the lid face, turning the squeezer into a hazmat container when in storage mode



Dual-sided lid disc — the core component of the design; one face holds the juicer cone for squeezing, the other holds the piece tight for sealing — one flip changes everything



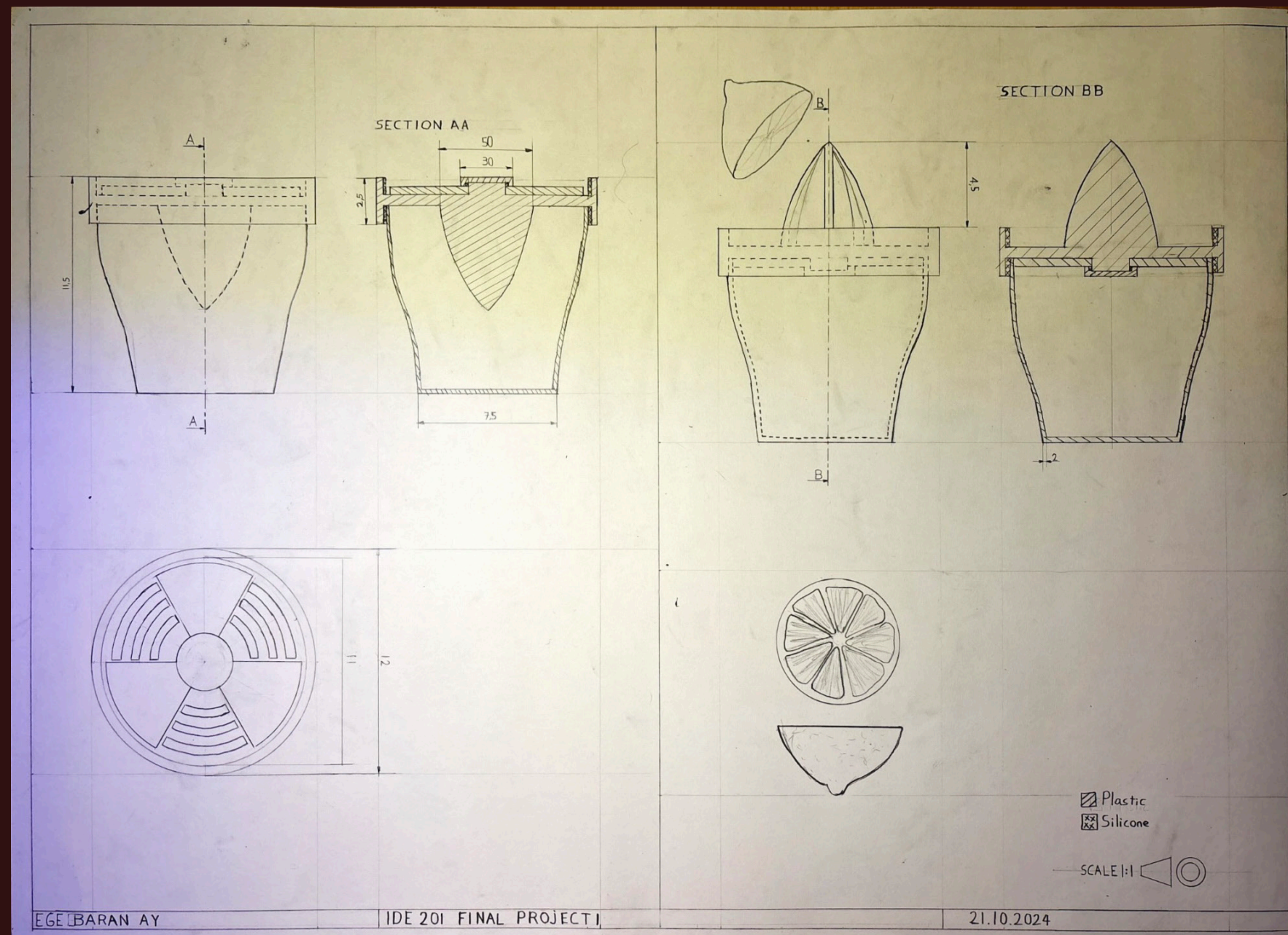
Cup body — the juice collector that doubles as the base; its tapered flower-pot form gives HAZARDUS its recognizable silhouette



### 03| HAZARDUS

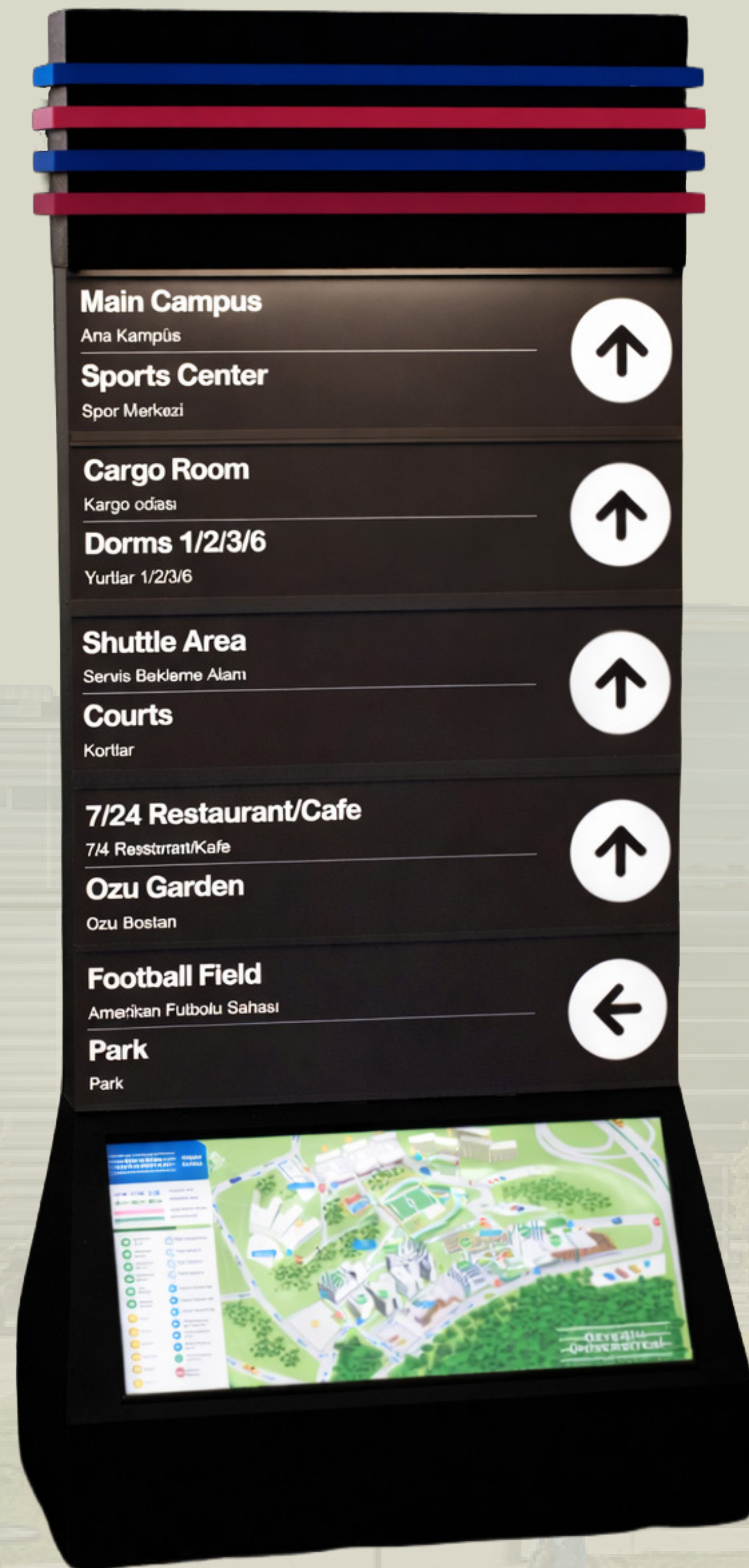
# Prototype

The physical mockup was built using plastic for the cup body, MDF for the middle of the lid disc, the symbol and the cap, EVA foam for sides of the lid disc, and acrylic paint for the yellow and black finish. The model demonstrates both functional positions — storage mode and squeezer mode — and validates the flip mechanic at a 1:1 scale



# 04

# Campus Wayfinder for Ozyegin University

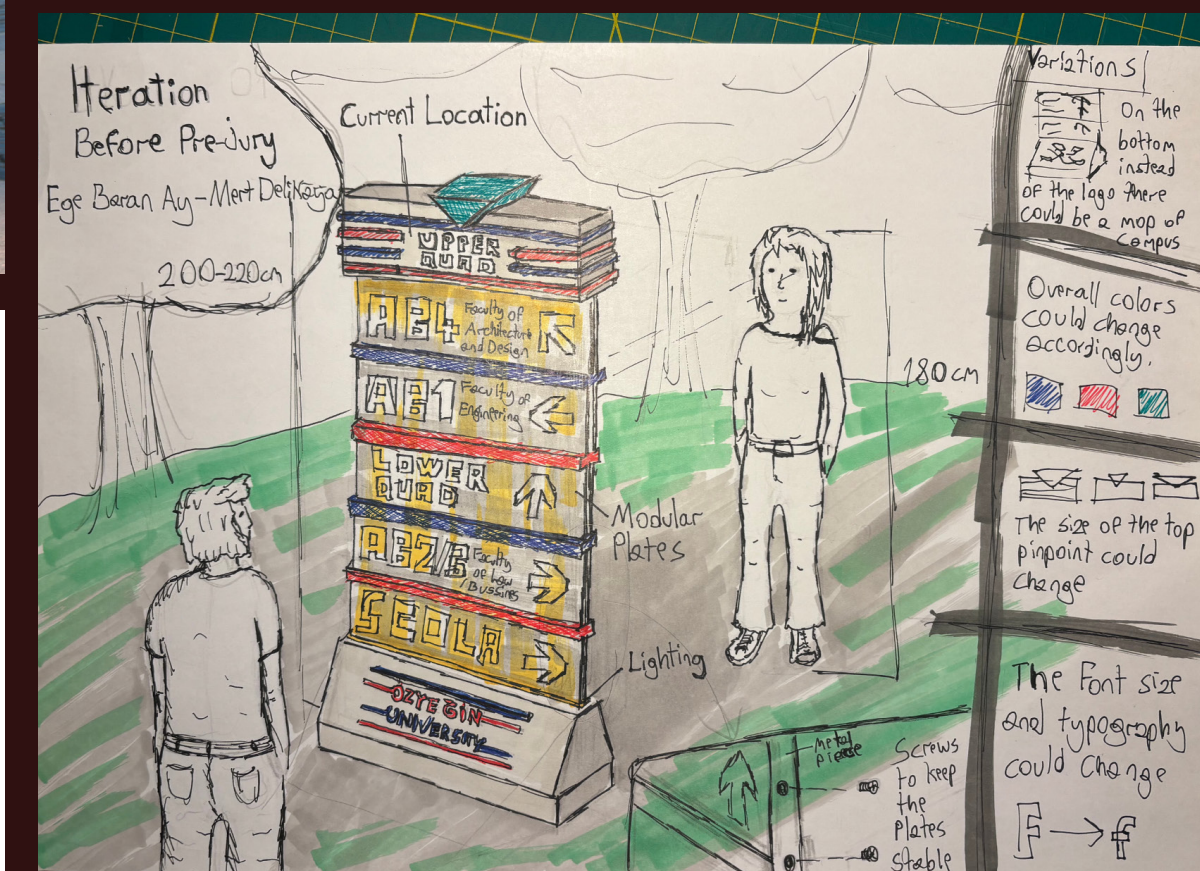
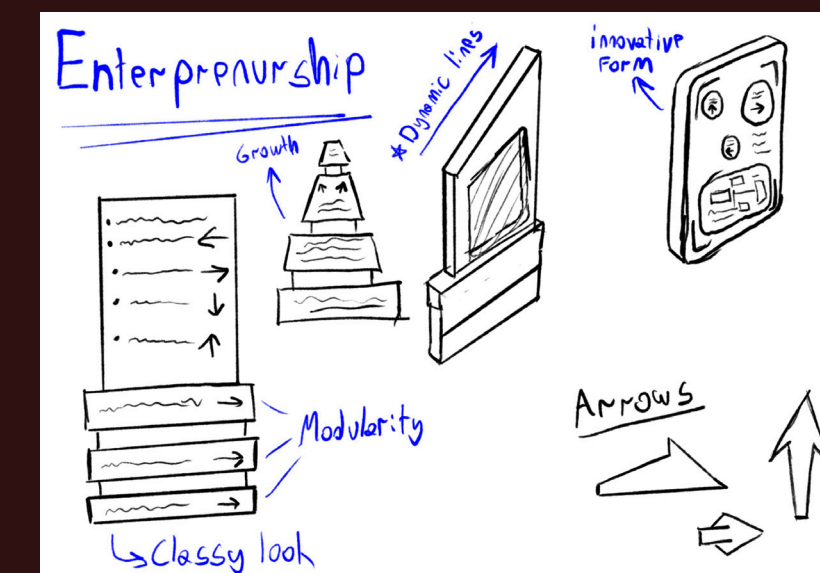
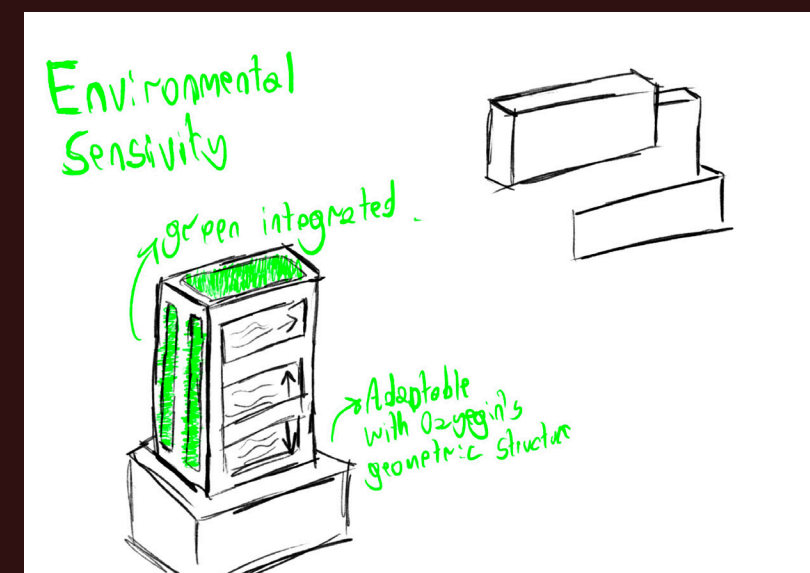
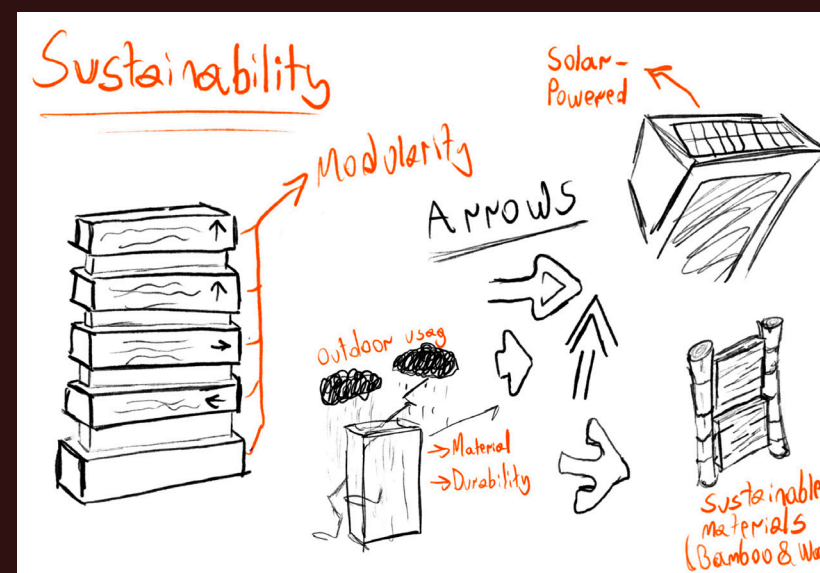
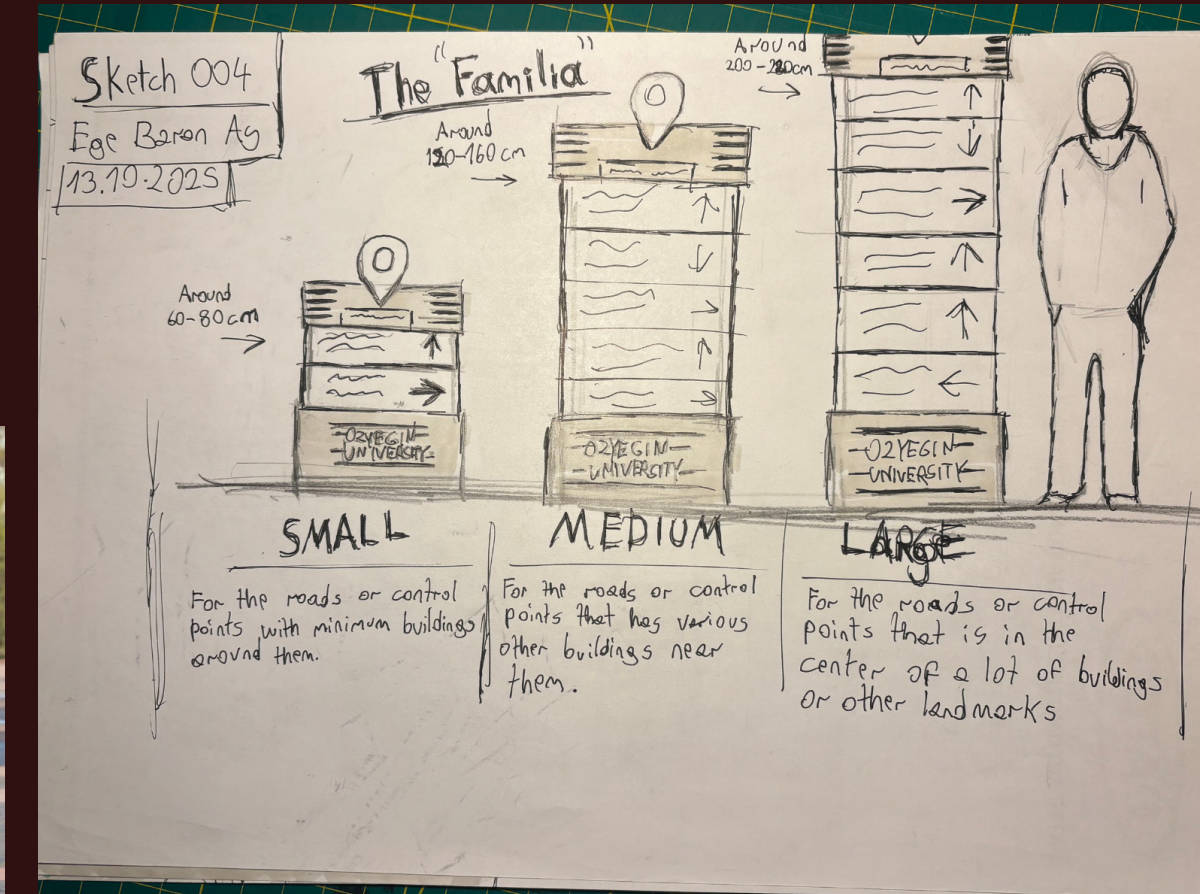
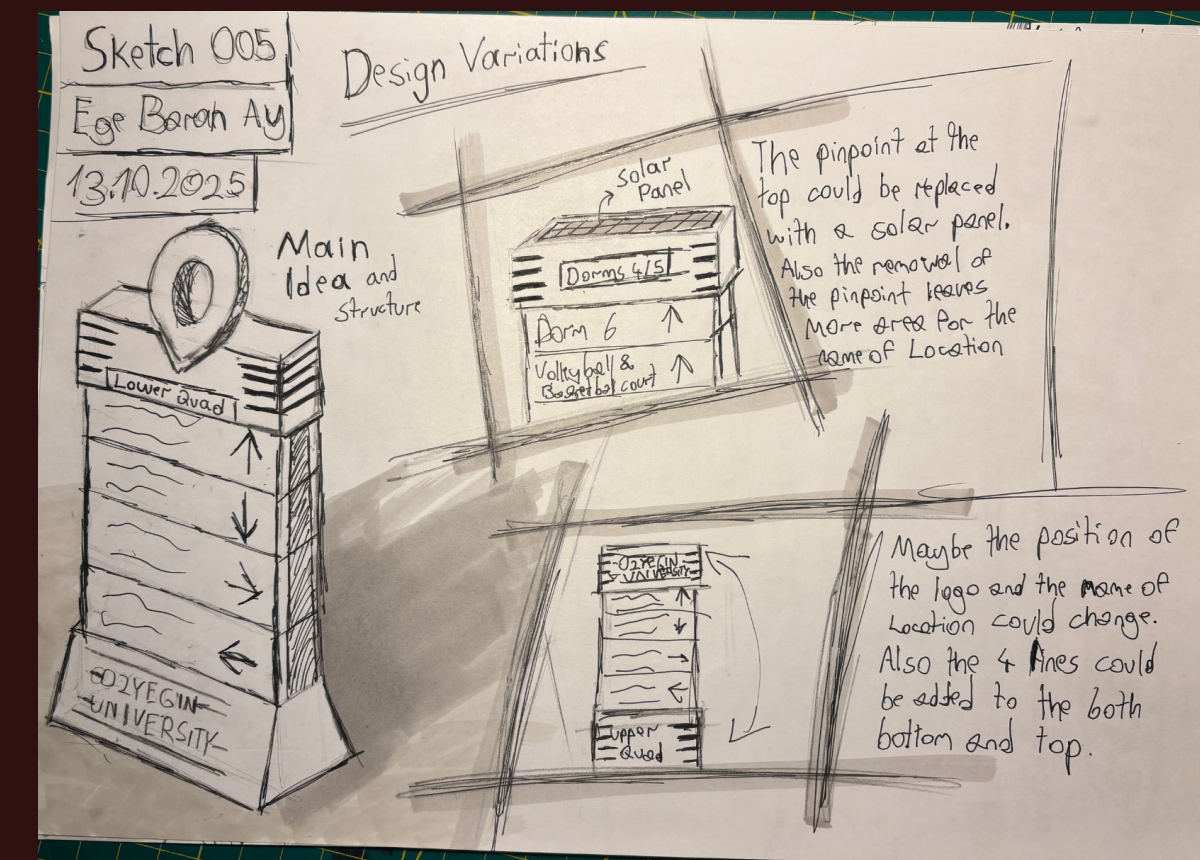


is a fully modular, two-sided wayfinding unit designed for the complex and ever-growing campus of Özyeğin University.

Built around the university's own visual identity — the horizontal stripe system, the blue-red palette — the unit adapts to any location on campus by scaling its modules up or down. A solar panel integrated into the top piece powers the internal lighting, keeping it readable day and night.

# 04| Wayfinder Process

The design began with a close reading of Özyeğin's campus: its scale, its blind spots, and the visual language it already spoke. Identity research mapped the university's logo geometry and color rules, which directly informed the stripe assembly at the top of the unit. Sketches explored sizing families — small, medium, large — and how a single structural system could serve radically different placement contexts across campus.



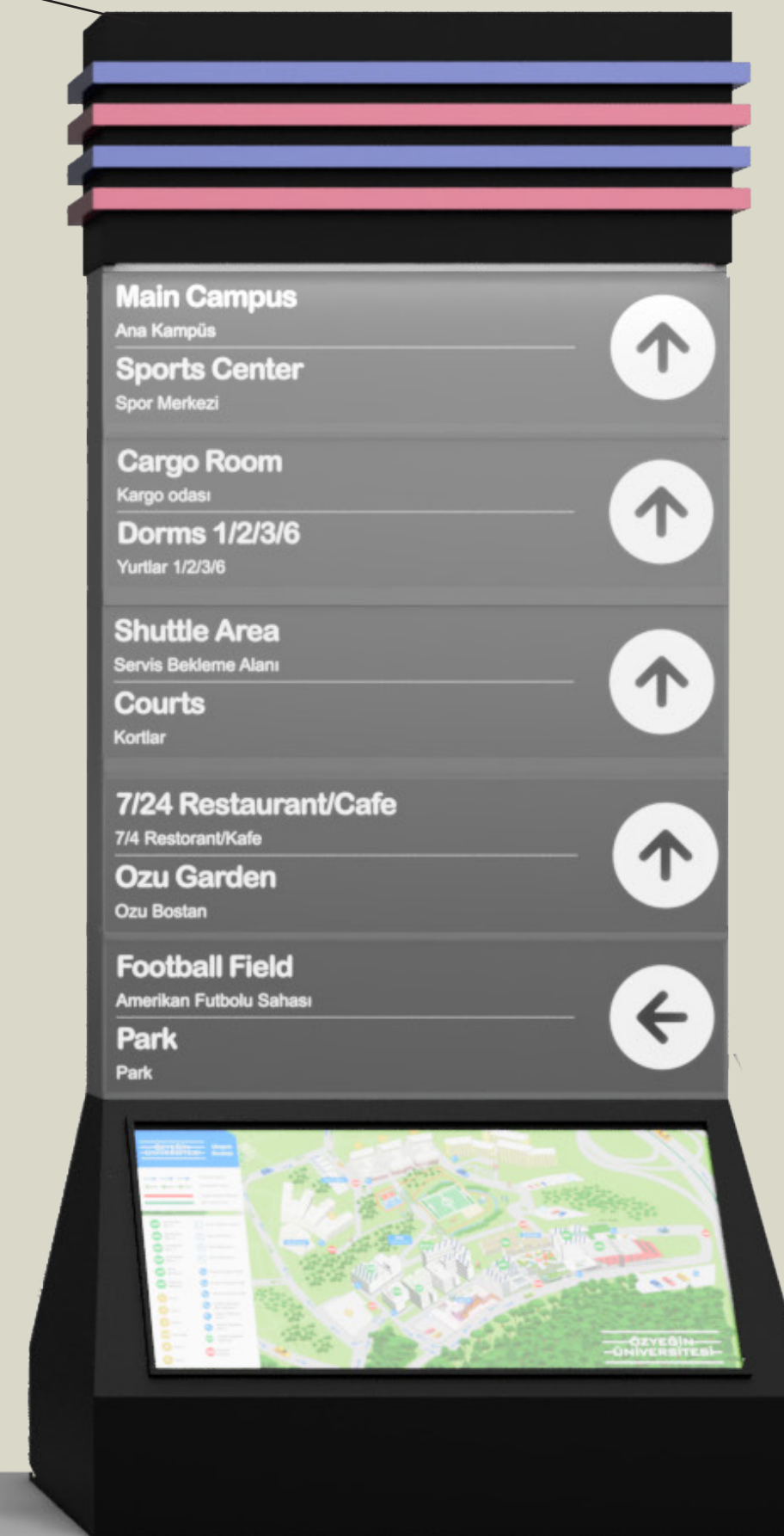
## 04| Wayfinder

# The Family

The Wayfinder comes in three configurations, all sharing the same upper and lower assembly. The middle section is where the unit adapts — modules stack, swap, and scale depending on what the location needs to communicate.

The building introduction module replaces the standard direction panels with a single 2x panel displaying the faculty name, building code, and a full room directory. The map slot at the base is replaced with the building identifier — AB4, AB1, and so on.

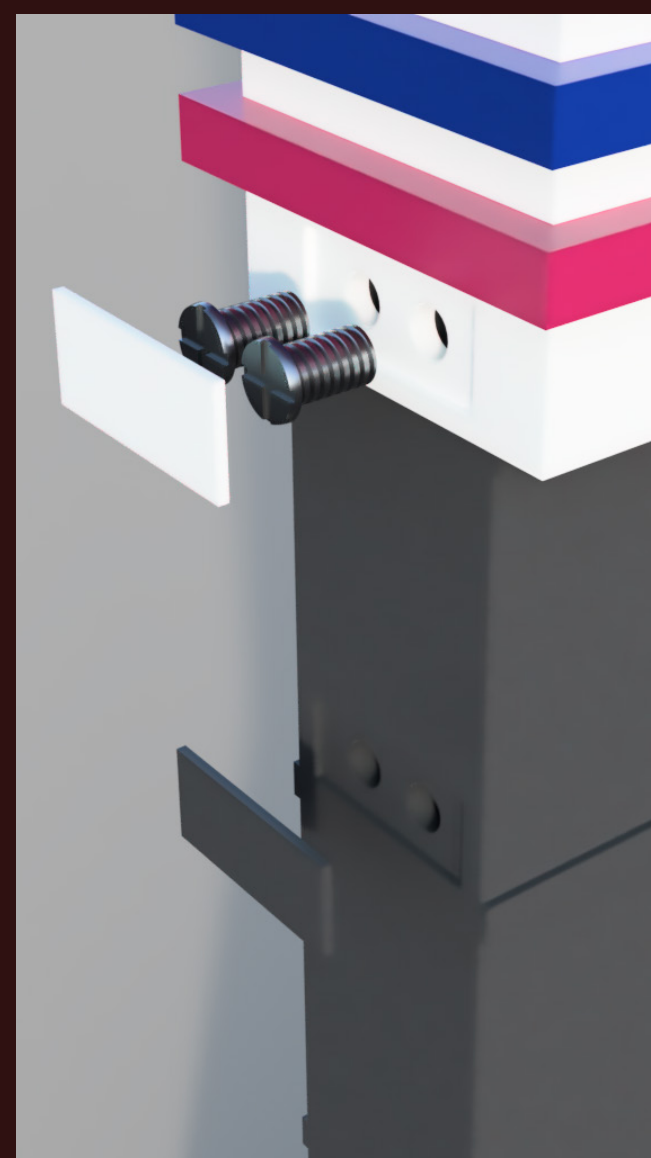
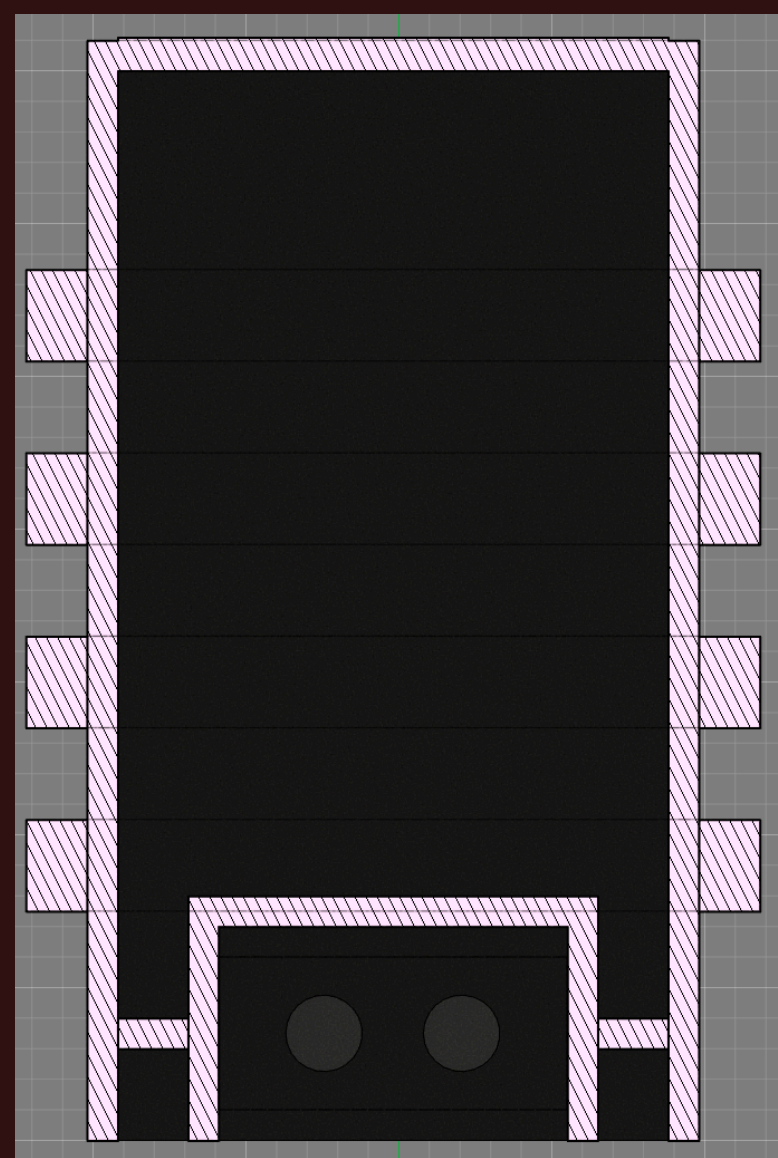
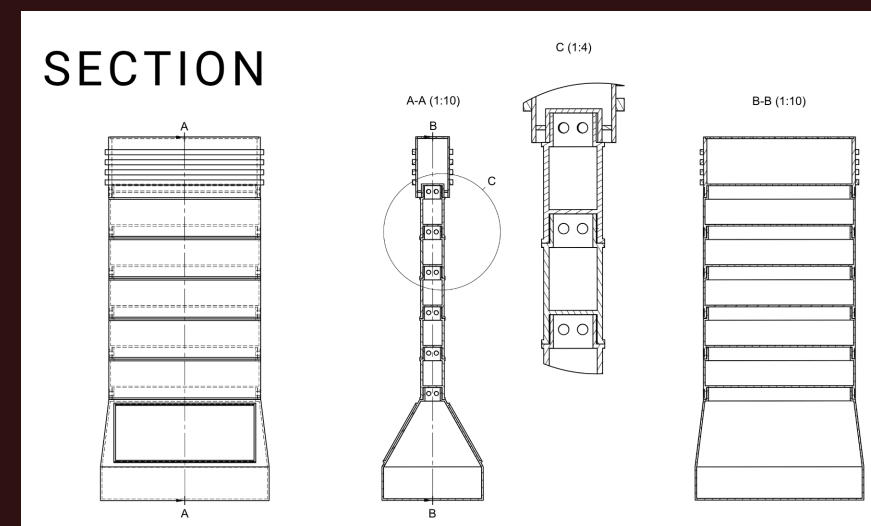
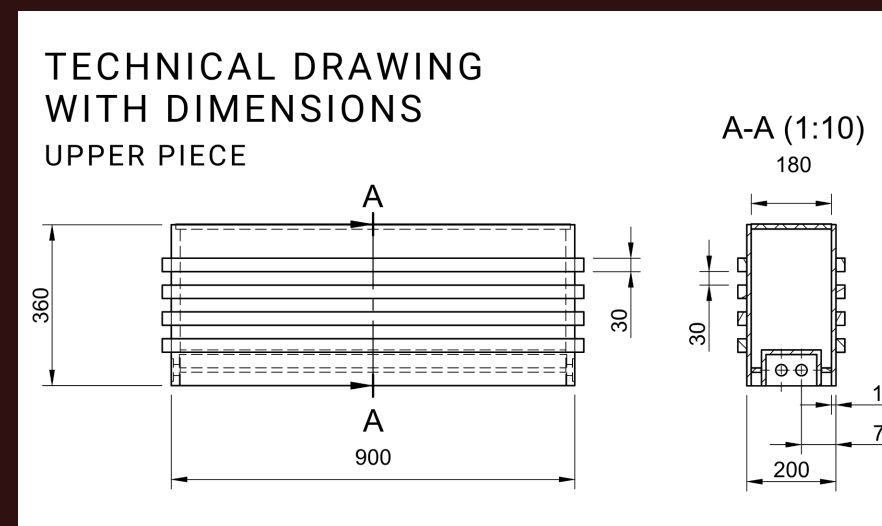
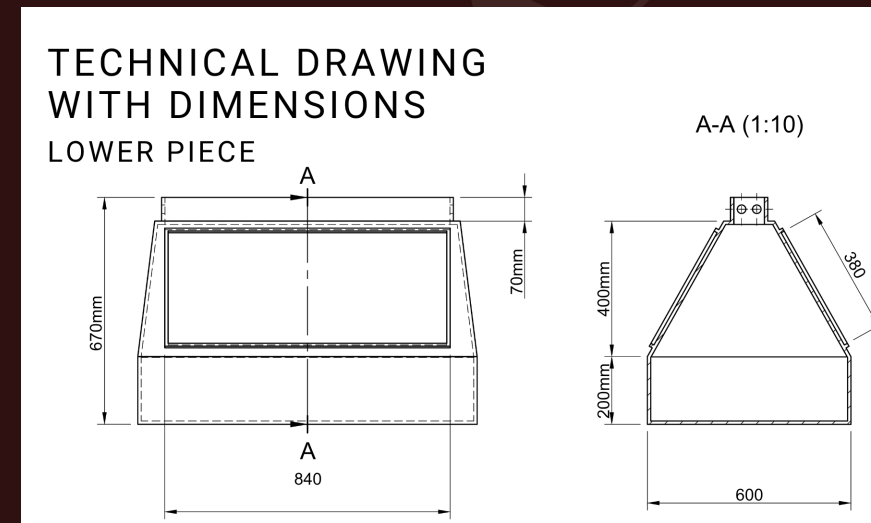
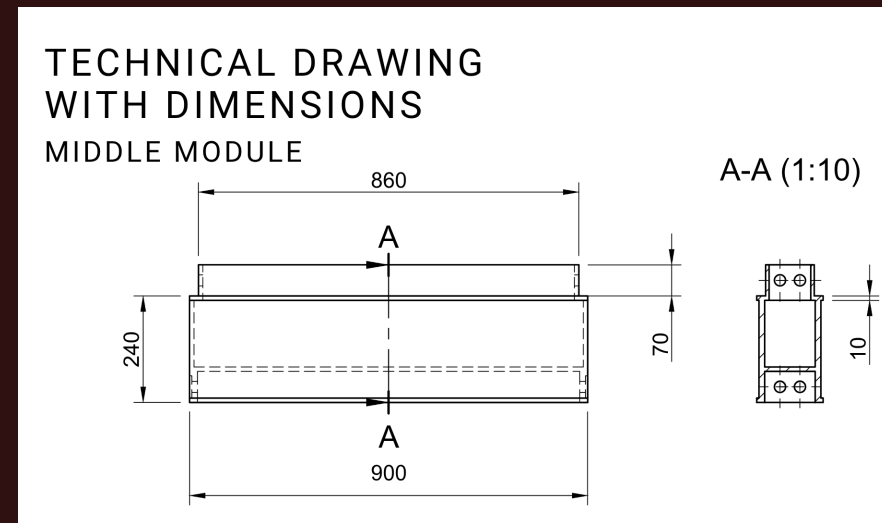
Up to 5 direction modules can be stacked between the upper and lower pieces. Each module holds two bilingual destination entries with a shared directional arrow — giving the unit a maximum capacity of 10 destinations



# 04| Wayfinder Details

The section drawings reveal how the three main components — upper assembly, middle modules, and angled base — align along a central spine. Proportions were calibrated so the direction panels sit at natural eye level for a standing adult.

# Drawings

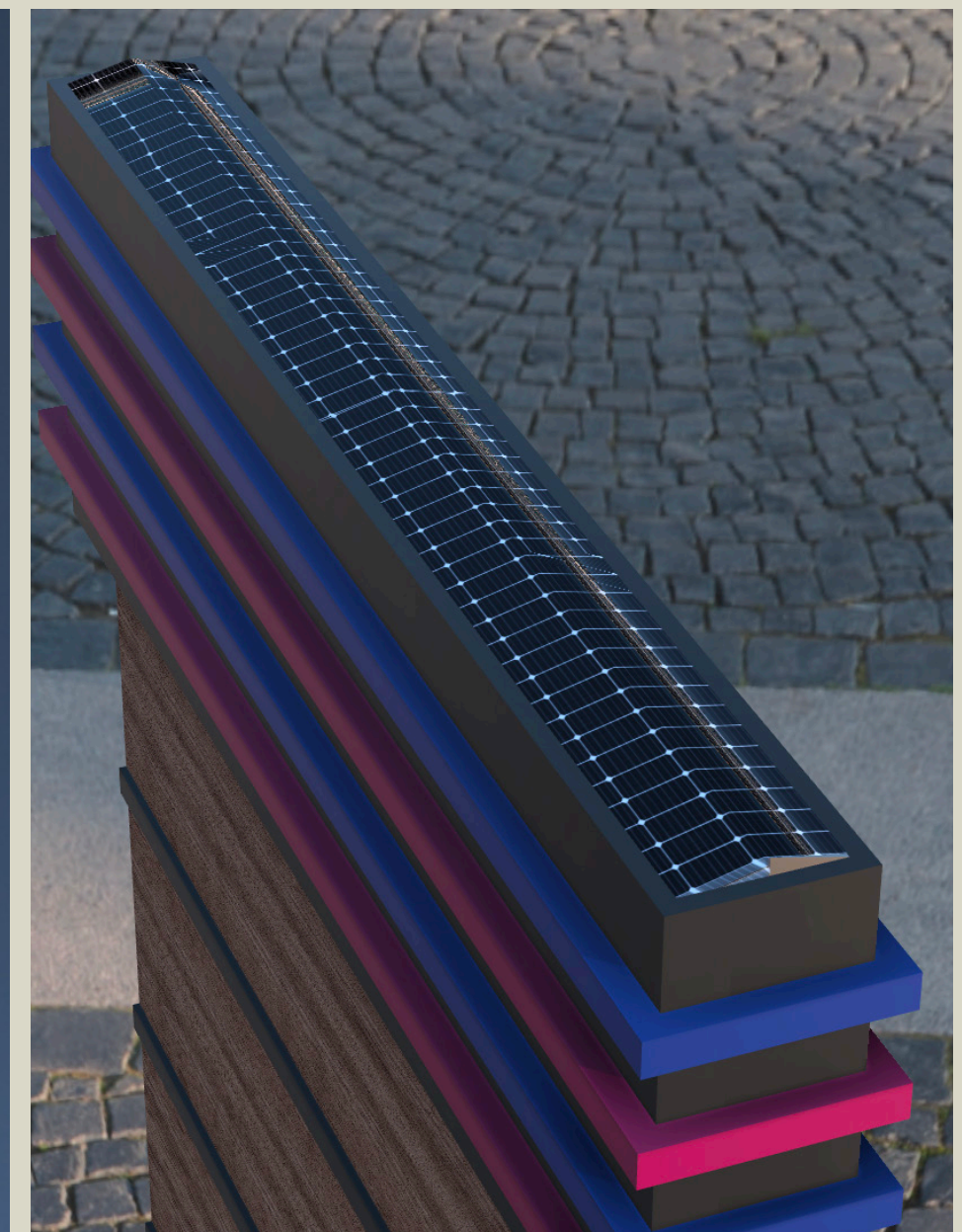


Each module slots onto the spine and is locked in place with large-head bolts through pre-drilled side channels on both faces of the unit. No welding, no specialist tools required — a single module can be swapped out independently without touching the rest of the structure, keeping maintenance fast and the system open to change.

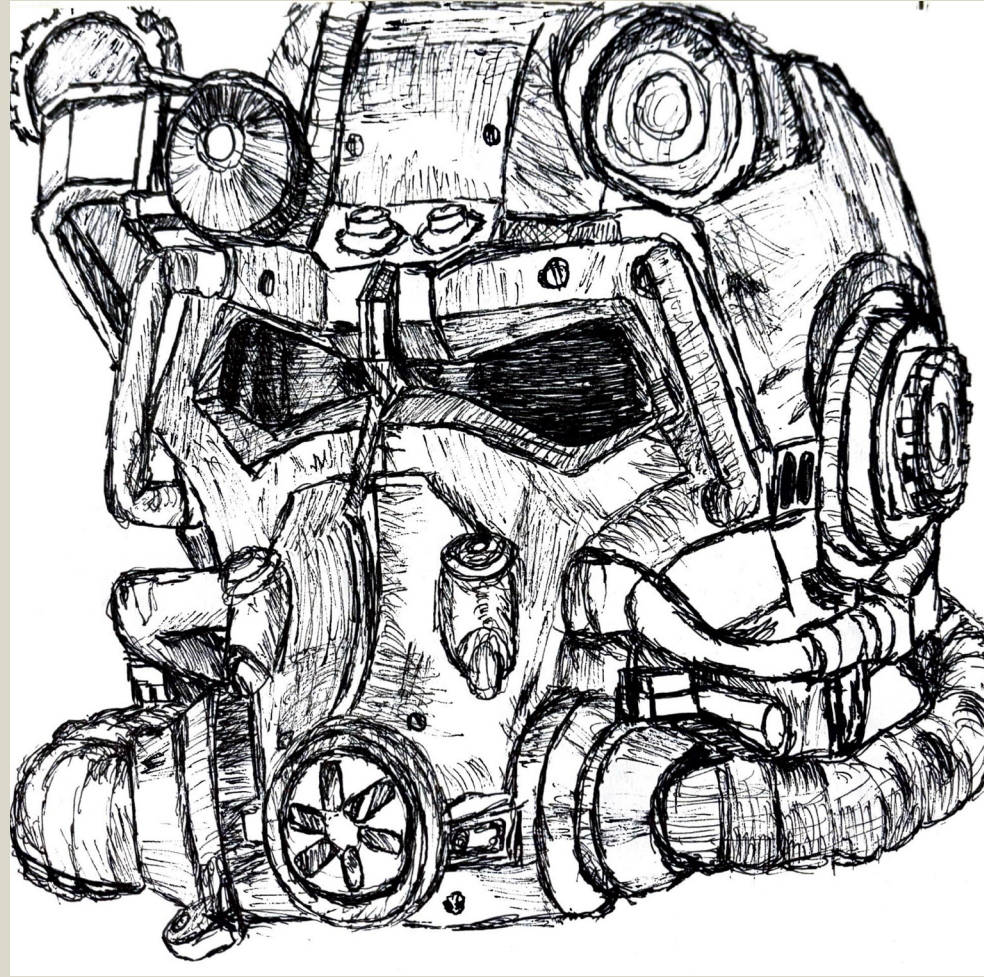
# Sustainable

The top piece integrates a full-surface solar panel that converts daylight into electricity, powering the internal strip lighting housed in the gap between the upper assembly and the first module. Light exits indirectly — no glare, no external power source needed. Aluminium was chosen as the primary material for its weather resistance, low maintenance, and long outdoor lifespan — a unit built to last as long as the campus it serves.

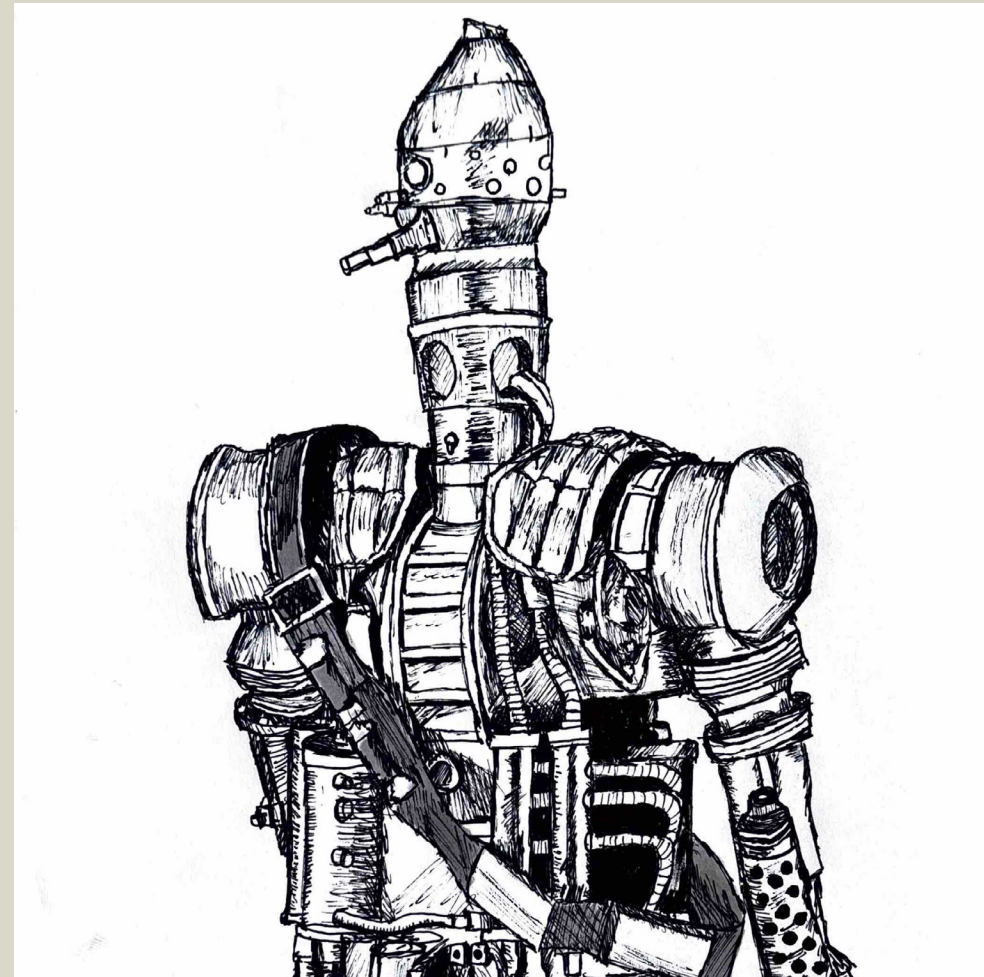
# Efficient



# SIDE WORKS



~ Referenced



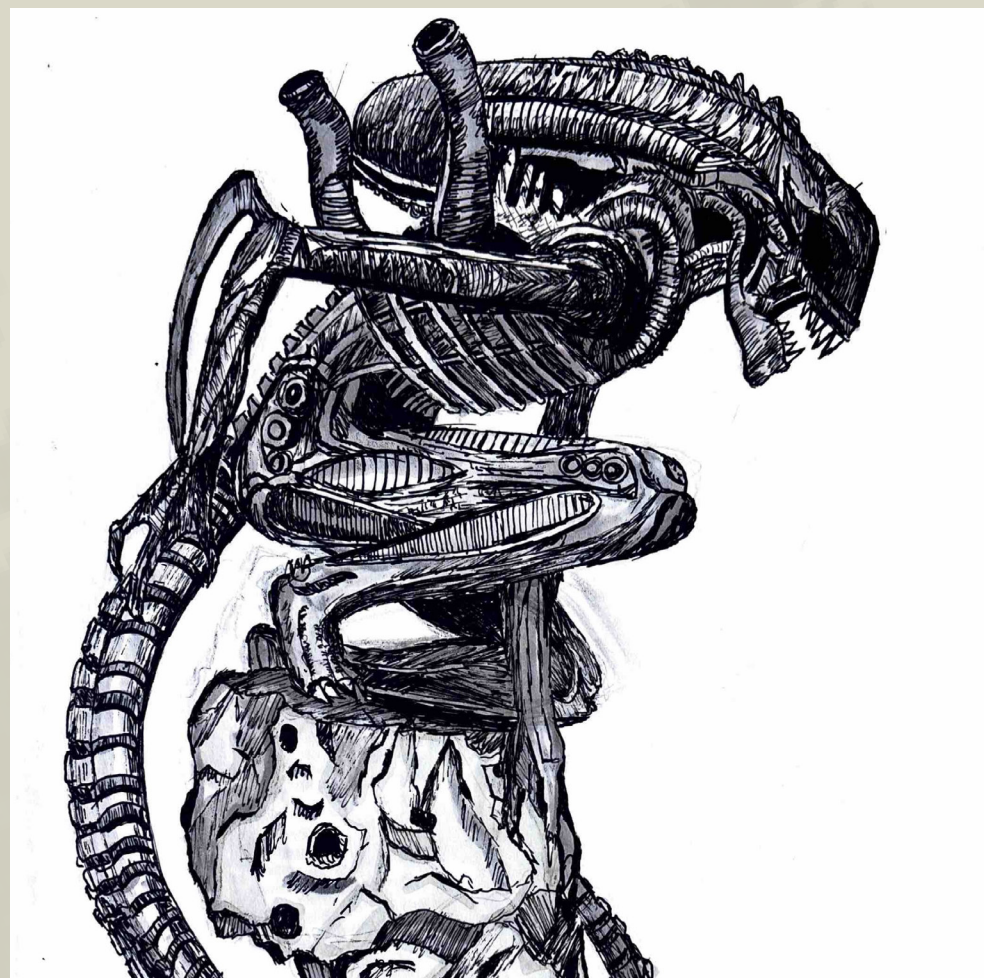
~ Referenced



~ Freehand Drawing



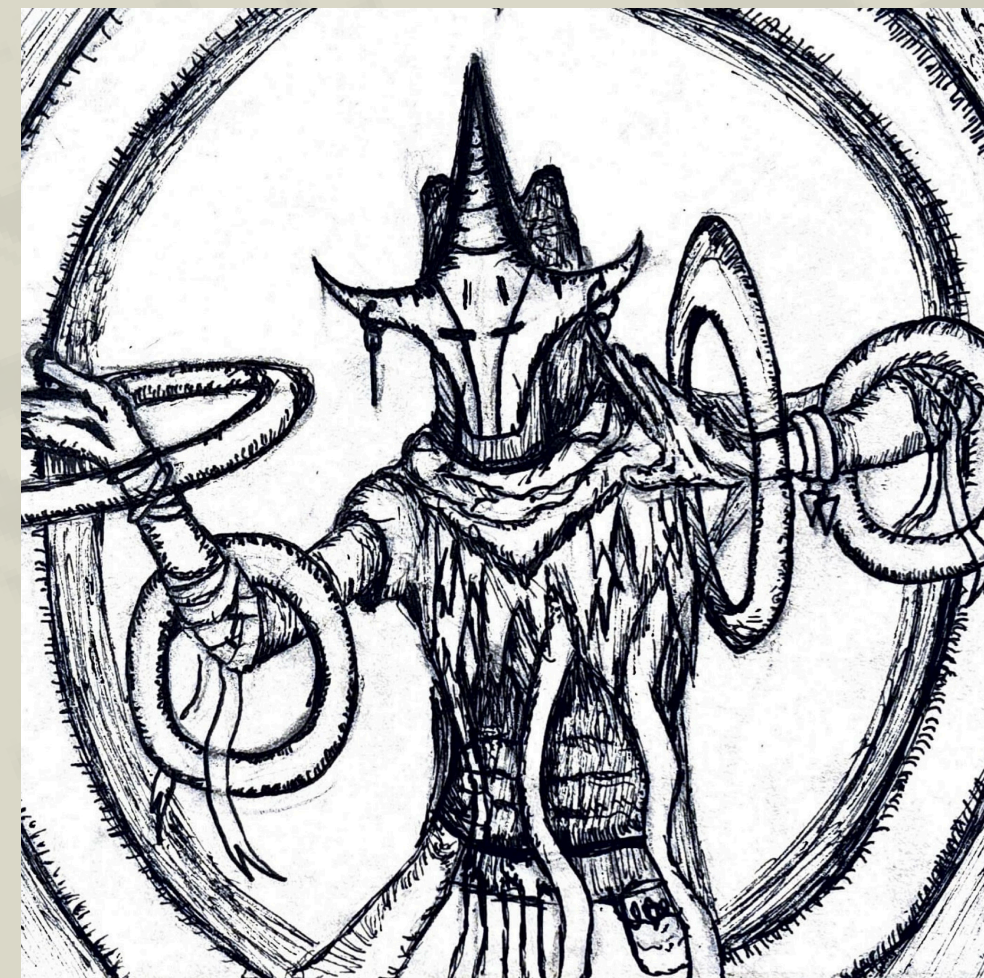
~ Cover Art



~ Referenced



~ Referenced



~ Freehand Drawing



~ Cover Art

**THANK  
YOU**

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