



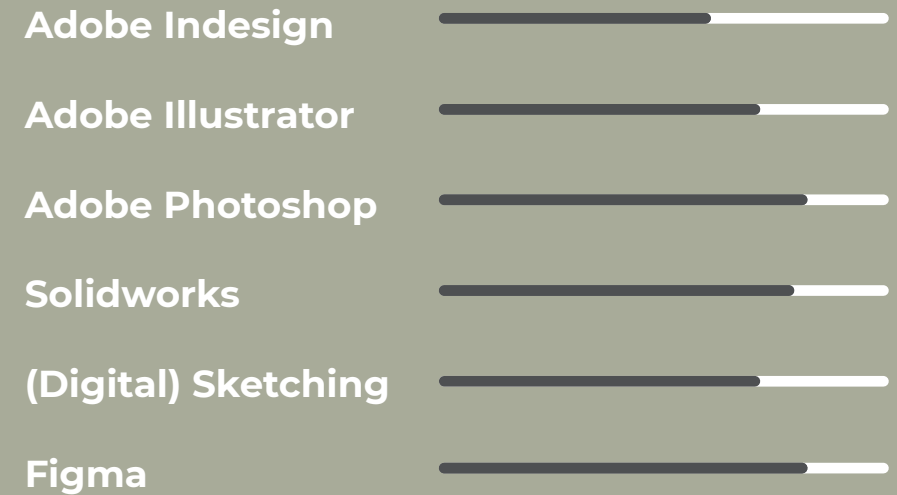
Product development portfolio
Sam Warmer

About me



My name is Sam Warmer and I'm 23 years old. I'm a student at the University of Antwerp where I study Industrial Design. Projects focused on smaller products are the most interesting to me. I like being able to finetune interactions and details. In this portfolio however, I also display one of my bigger projects. I like working in groups, as efficiently as possible. I'm not necessarily the first one to take the lead, but definitely willing to do so if I think it's needed.

Skills



Languages



Contact





01

Individual Projects



02

Co-Projects



03

Self Motivated Project

01

Individual projects



Product and materialisation - IBA

In our first year we were taught on how to make prototypes while experiencing working with different types of materials. This design exercise was based on the material veneer wood. The assignment was simple; design a lamp while only using veneer, even for connecting the different pieces. Because this material only flexes in one direction it was quite challenging at first. When I got the hang of it, it was less daunting and playing with how the light changes in some iterations was really interesting.





Analog and Digital sketching - 3BA

After practising sketching by hand we learned how to sketch digitally in Sketchbook Pro. I was amazed at how much difference subtle details, like highlights, can make. Now, I really prefer sketching digitally because I think it's much more versatile.





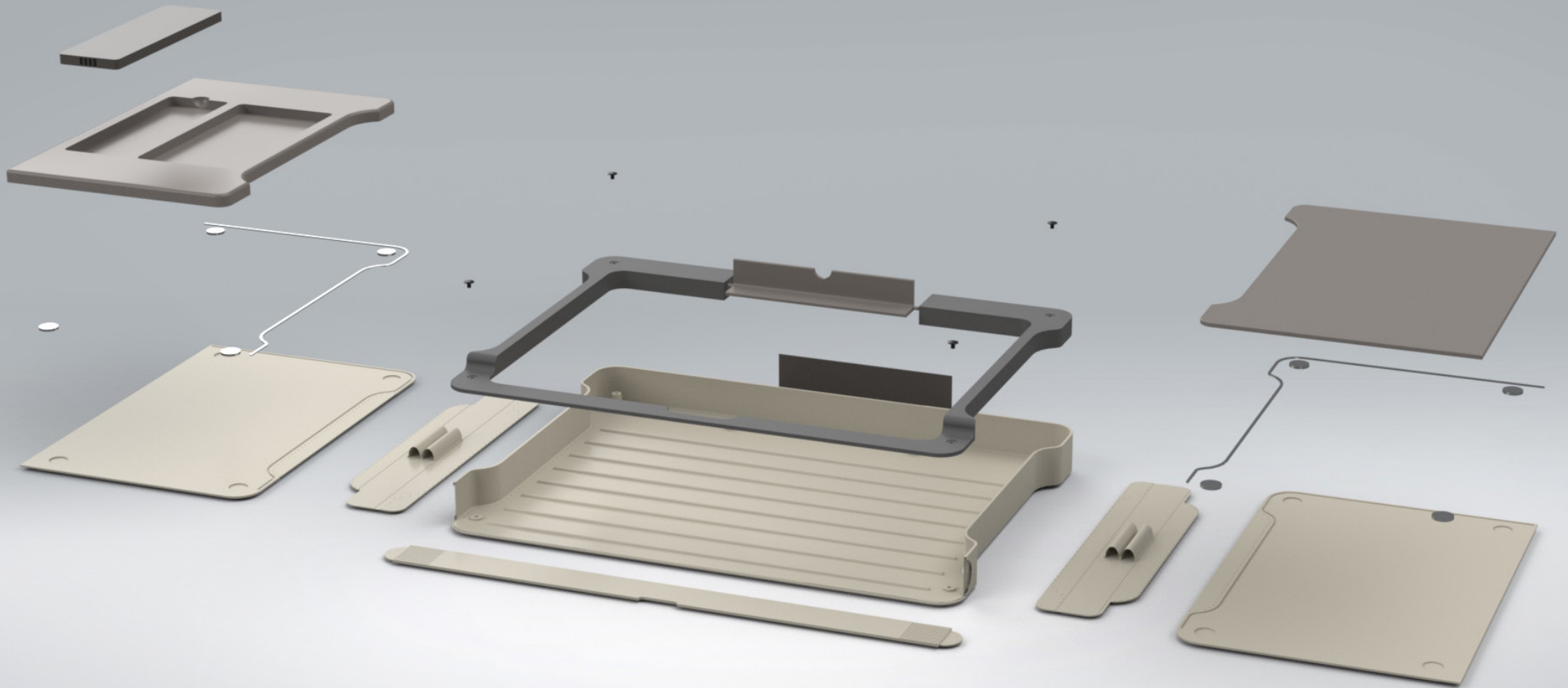
International Designweek 3BA

The international designweek consists of multiple workshops which focus on learning specific new skills. That year I signed up for the workshop 'Designing an App in Figma', where I learned how to design and prototype in Figma. This is a really fast and intuitive way of displaying your ideas without needing the knowledge on how to code. This case was about an app which could help to locate and retrieve your stolen bike.

Bachelor's final project - 3BA

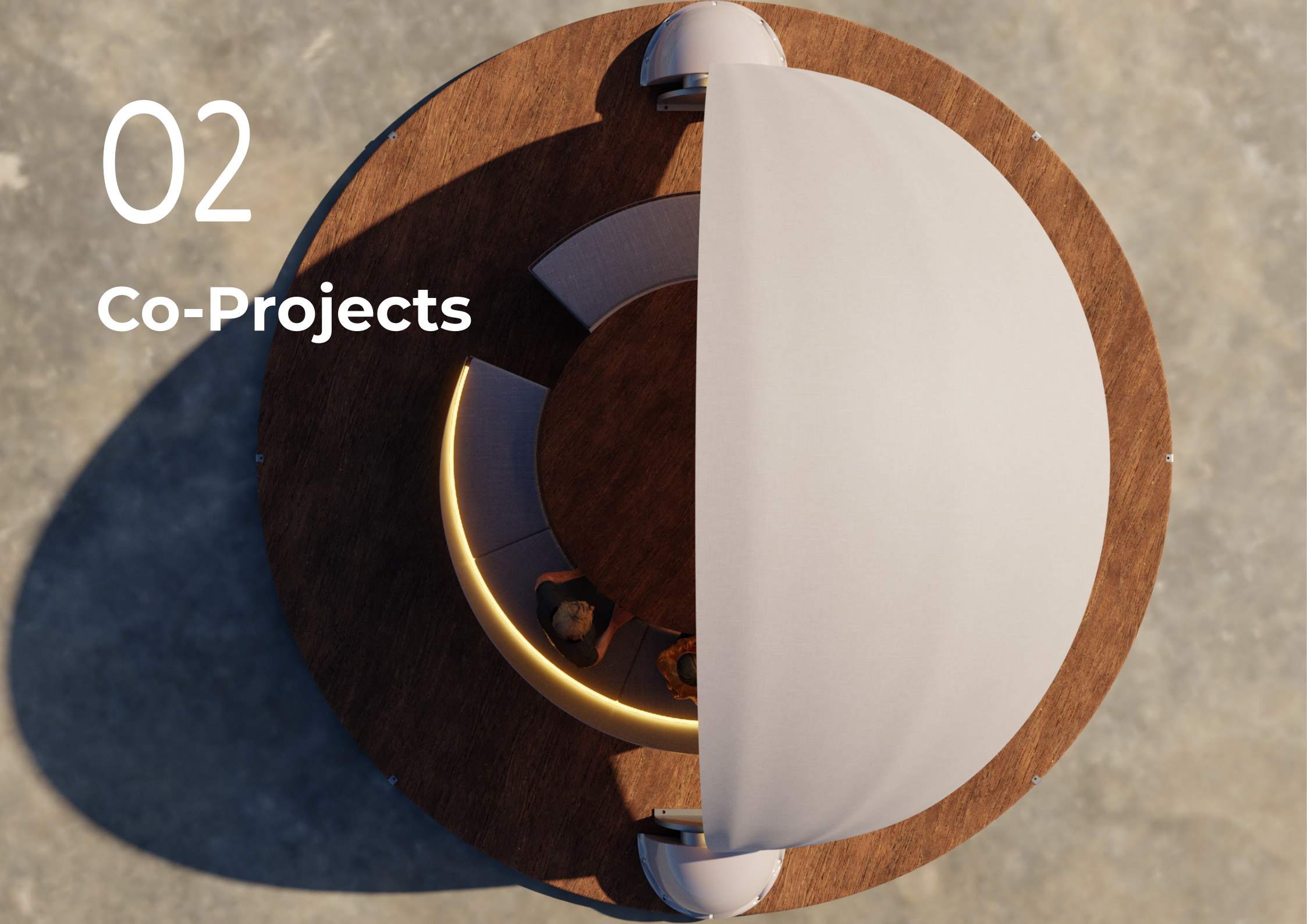


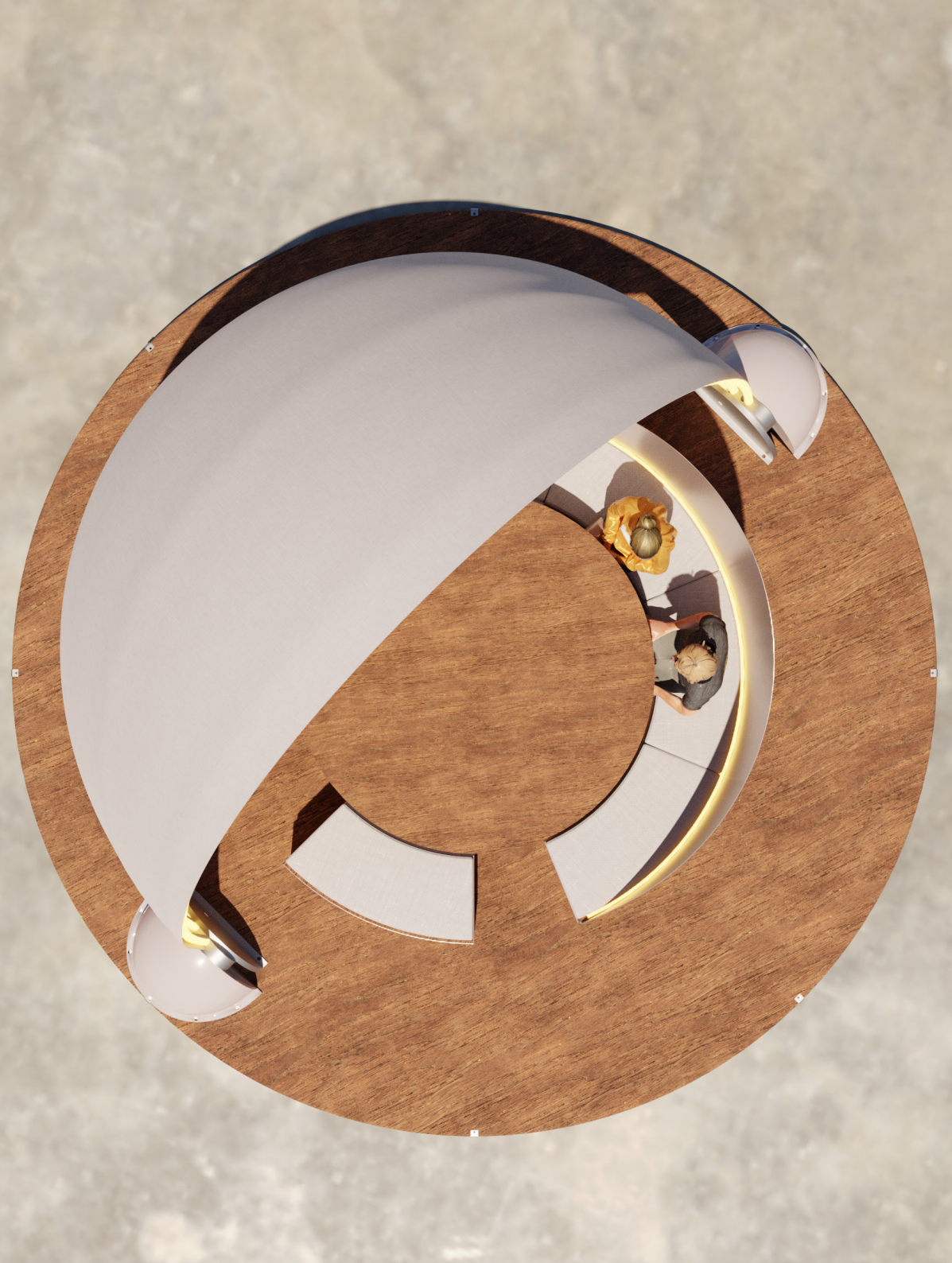
For my bachelor's graduation project I designed a portable workstation module / backpack combination for Samsonite. The assignment was to design a product that would fit in the changed working environment, which was caused by Covid. Because people are now more flexible and don't necessarily have their own desk I came up with this product. It enables the user to quickly take their workspace from their desk to a conference room for example. For transportation from home to office and vice versa I designed a backpack which is seamlessly integrated with the module. It can be compressed if the user doesn't need the module, and expanded if they want to bring lunch or other items.



02

Co-Projects





Structural Design - Solarc - 3BA

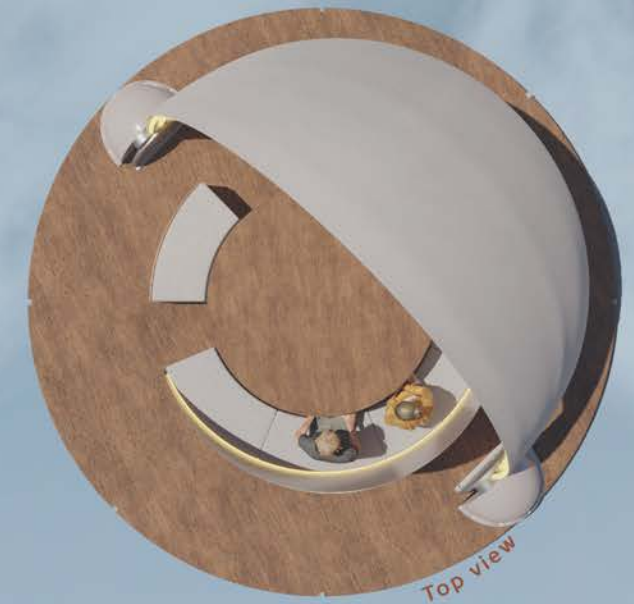
Redesigning is an important aspect of design. The assignment for this course was to redesign a graduation project from last year's students. The end goal was a producable, economically achievable, product that was compliant with the european machine guidelines. In order to do this we had to make a thorough analysis on what the existing problems were and how they could be improved.

We started from scratch but made sure to maintain the original essence of the product. Which was, enabling people to stay on rooftop terraces for longer periods of time even if the weather wasn't perfect.

SOLARC

Enjoyment in every weather condition

Redesign of a sunshade for rooftop terraces from luxurious restaurants. This integrated design combines a sunshade and a windscreen which creates a cocoon like ambiance. It still offers an open, spacious experience which enables you to enjoy the view. All this combined guarantees a pleasurable dining experience in every weather circumstance.



Windscreen and bench for a pleasurable experience.

Sunshade provides as much shade as is desired.

Adjustable seats so everyone can easily join the table.

Automated rotation of the sunshade in order to have enough shade throughout the day.

Lotte Buyl
Sam Warmer
Tille Raes



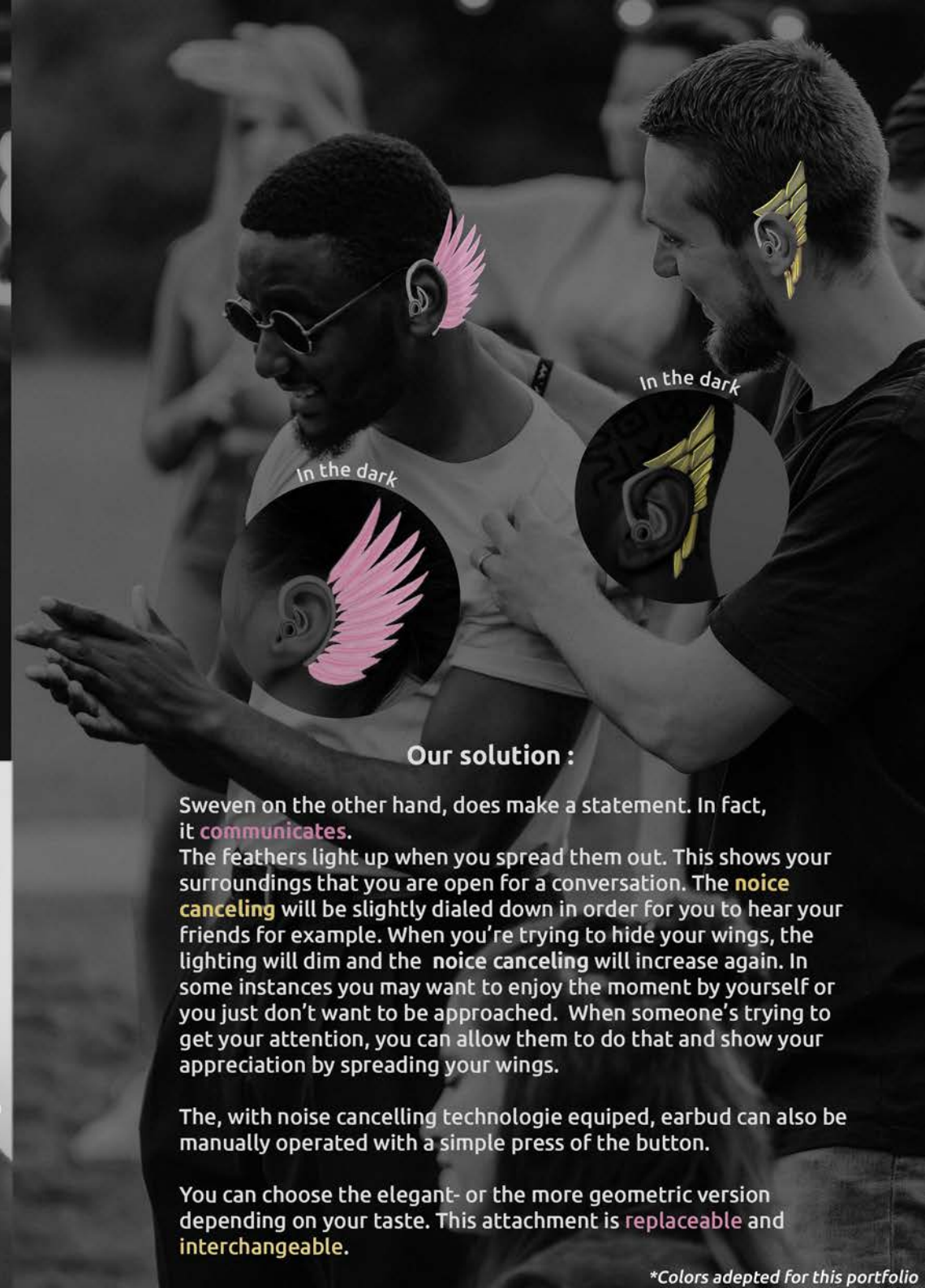
Inclusive Design
Sweven
3BA

This project was about fighting stigma with an empowering product. Me and my colleague wanted to design an attractive alternative to the, already existing, forms of hearing protection on festivals. We found that there are many people that don't wear hearing protection because of the looks. My share of work was mainly focussed on designing the more feminine variant of the product.

sweven

The problem: We listen to music everyday. In the train, on our bikes or during exercising. Often times with a headphone or earbuds, our ears are continuously stimulated. Festival summers, laughter, dancing, making fun and loud music. Maybe a little **too loud**.

Existing options: Luckily there are good solutions right? Noise reducing earplugs like we know them have their disadvantages. They are not comfortable, aren't that esthetically pleasing and perhaps a bit anti social. You put them in and once you get them to fit nice and snug your friend asks you a question. You have to take them out again because you can't properly hear him and it starts all over. Often times they are very cheap or even free but they sure don't make a **statement**.



Our solution :

Sweven on the other hand, does make a statement. In fact, it **communicates**. The feathers light up when you spread them out. This shows your surroundings that you are open for a conversation. The **noise canceling** will be slightly dialed down in order for you to hear your friends for example. When you're trying to hide your wings, the lighting will dim and the **noise canceling** will increase again. In some instances you may want to enjoy the moment by yourself or you just don't want to be approached. When someone's trying to get your attention, you can allow them to do that and show your appreciation by spreading your wings.

The, with noise cancelling technologie equipped, earbud can also be manually operated with a simple press of the button.

You can choose the elegant- or the more geometric version depending on your taste. This attachment is **replaceable** and **interchangeable**.

**Colors adapted for this portfolio*

03

Self motivated project



Self Motivated Project

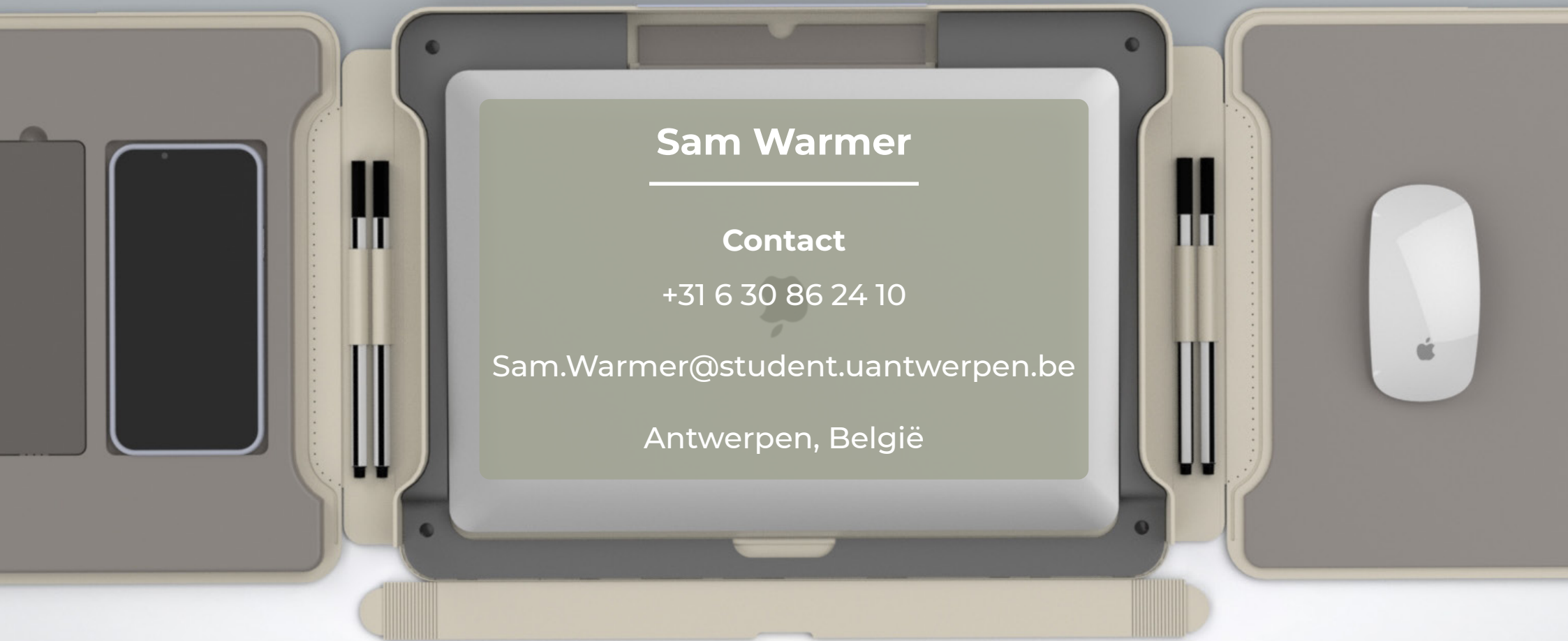
This project was commissioned by one of my dad's co-workers. She had recently moved to Rotterdam and wanted a unique eye catcher on the, still empty, wall.

I came up with this idea but didn't really know how to make it and where to get the parts from. After a lot of research this was the end result. Key features are:

- Cnc machined led grooves
- Oak wood which originated from trees that were cut down in the municipality of Rotterdam.

In this project I have had the possibility to apply everything I've learned in the past years from the idea till the final product.





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