

Portfolio

Sterre Witlox

November '22



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Work and study experience

09/2022 - present	MSc. Integrated Product Design
09/2018 - 07/2021	BSc. Industrial Design Engineering
02/2020 - 05/2020	Industrial Design Internship
09/2019 - present	Student Assistant Visualisation
12/2012 - present	Freelance Product & Graphic designer

Clients include:
Various projects @TU Delft
SODAQ Engineering
Basetime
TIIN Capital

TU Delft
TU Delft
SODAQ Engineering
TU Delft
Binskjen Design

Key Skills

Adobe
Photoshop
InDesign
Illustrator

CAD
Solidworks
Rhino + Grasshopper

Rendering
Solidworks Visualise
Keyshot

Locator One

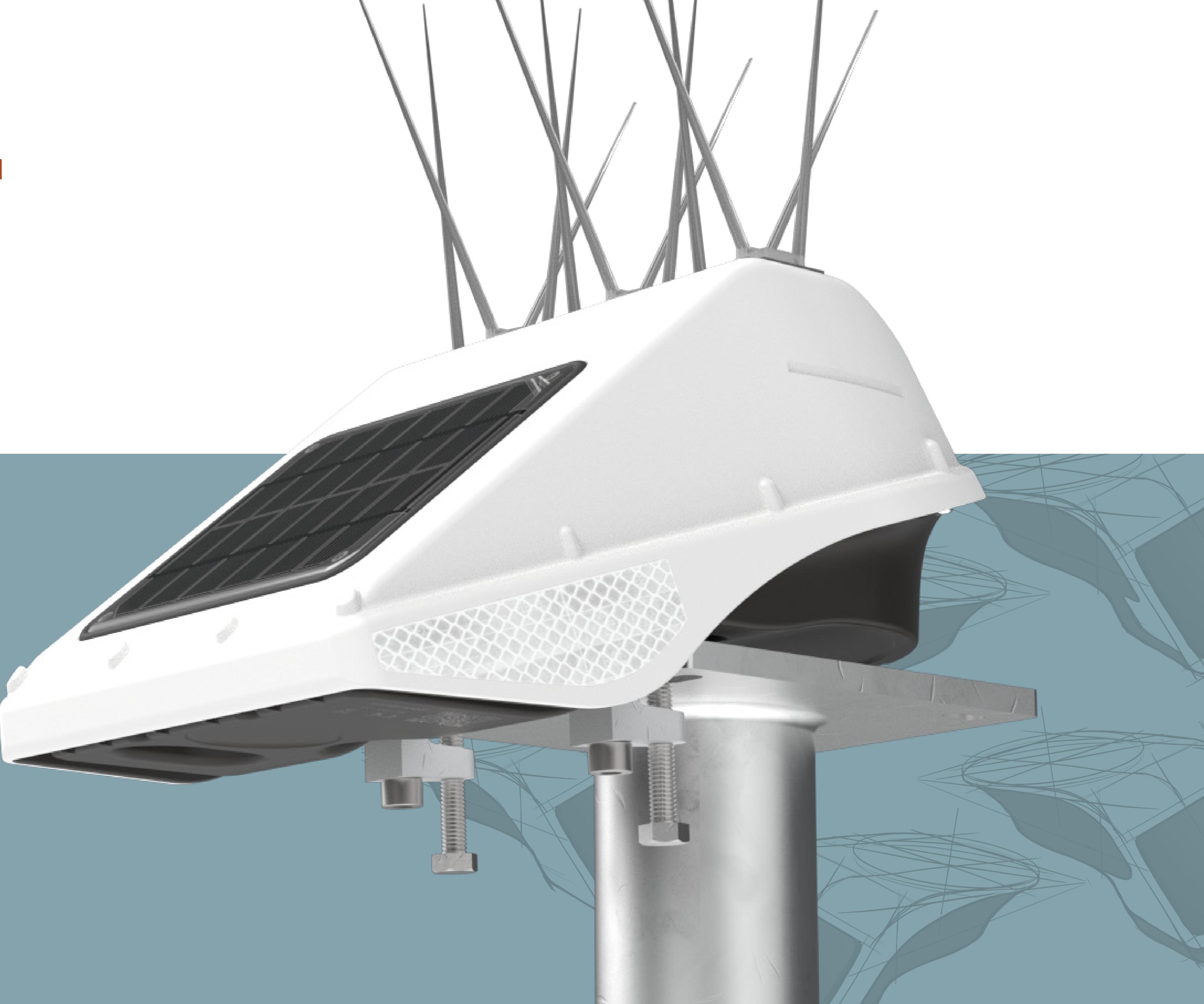
Internship at SODAQ Engineering (Basetime)

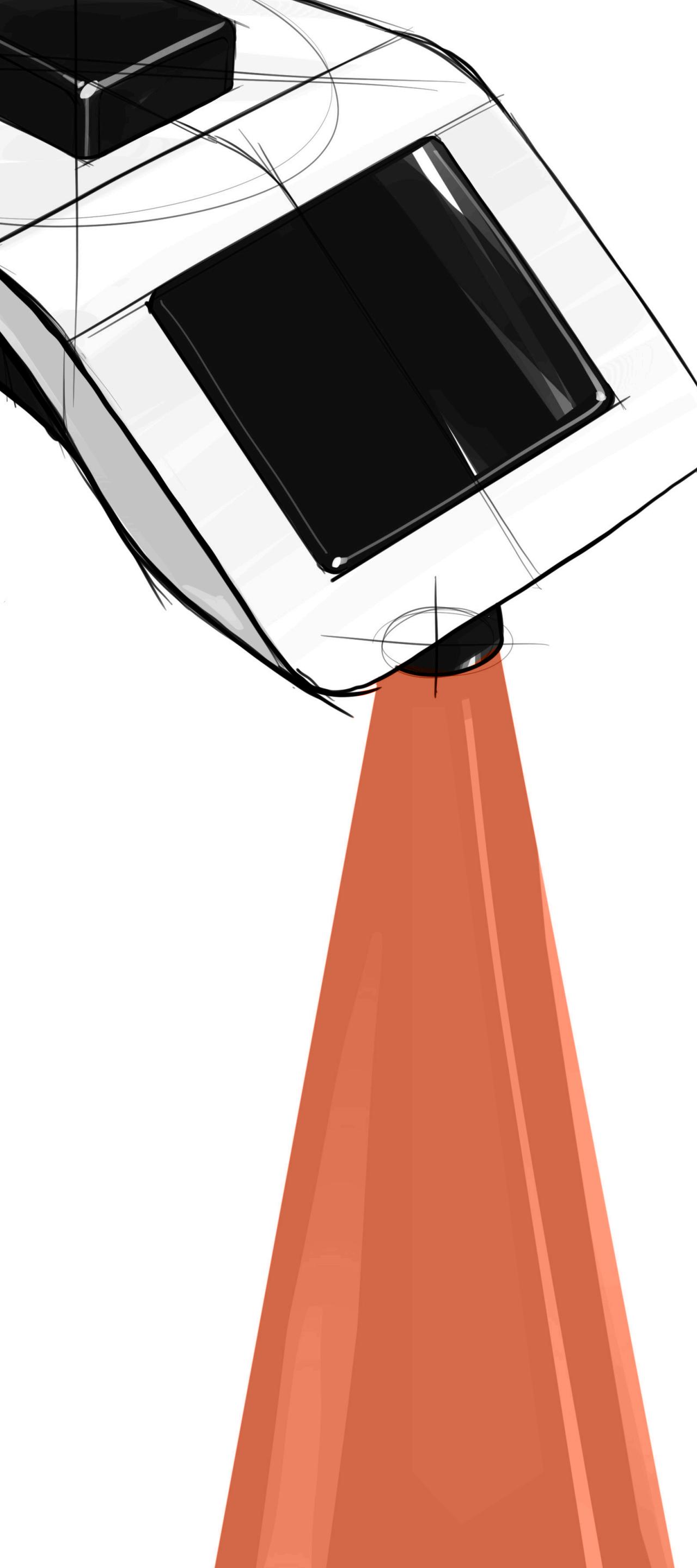
Team project

3rd year Bachelor

My role in this project included:

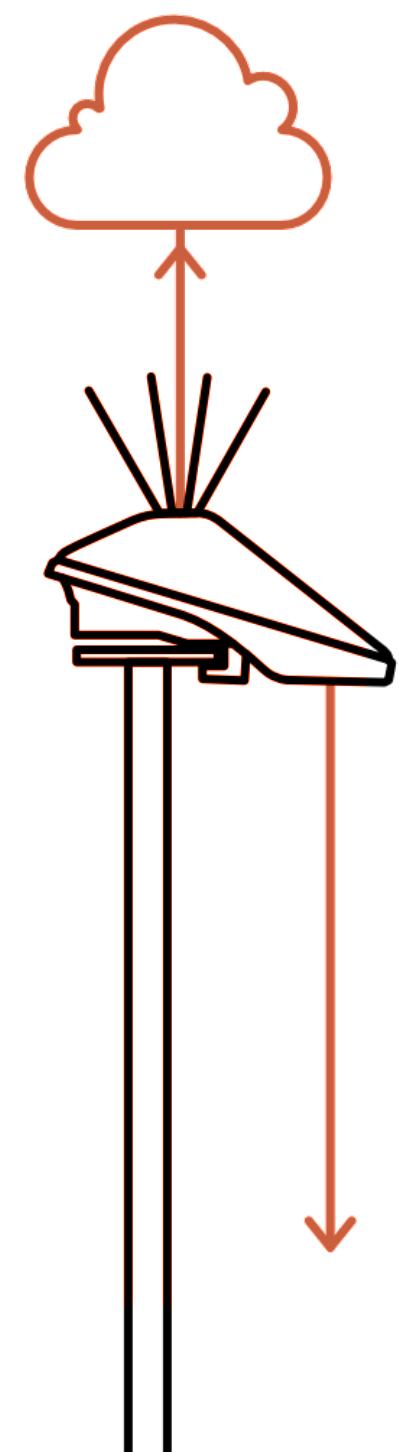
- Ideation for casing
- Creating installation and user manuals
- Sticker and promotional graphic design
- Rendering





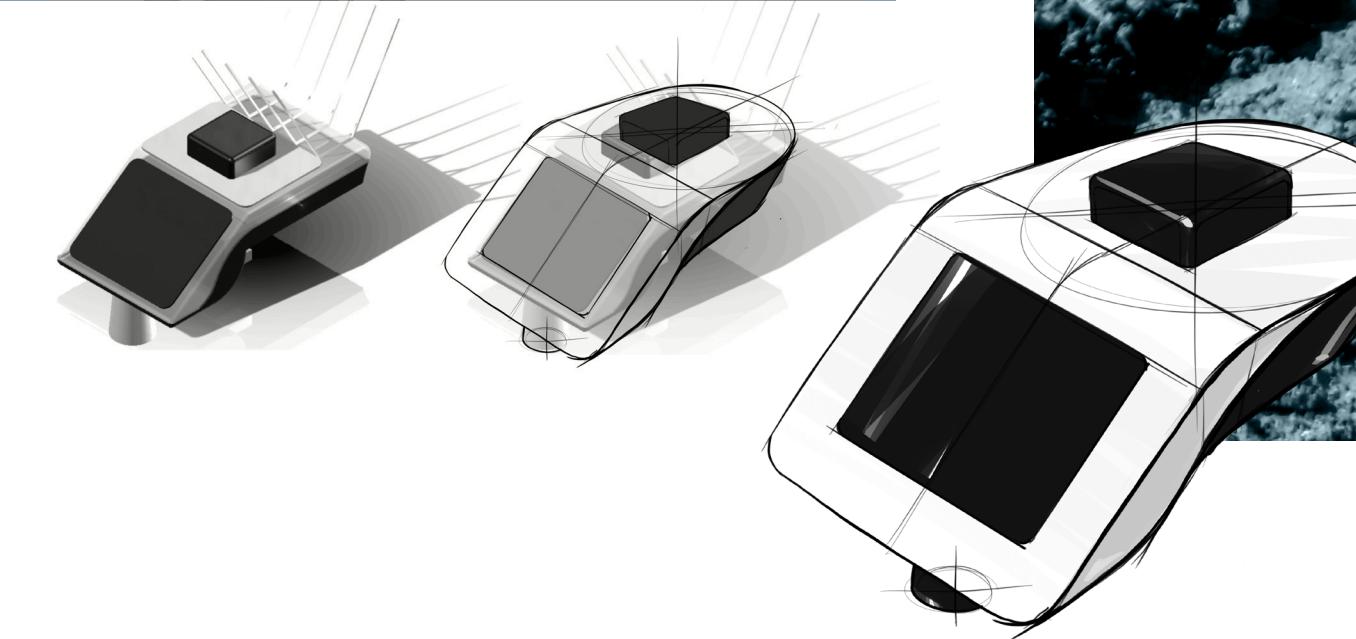
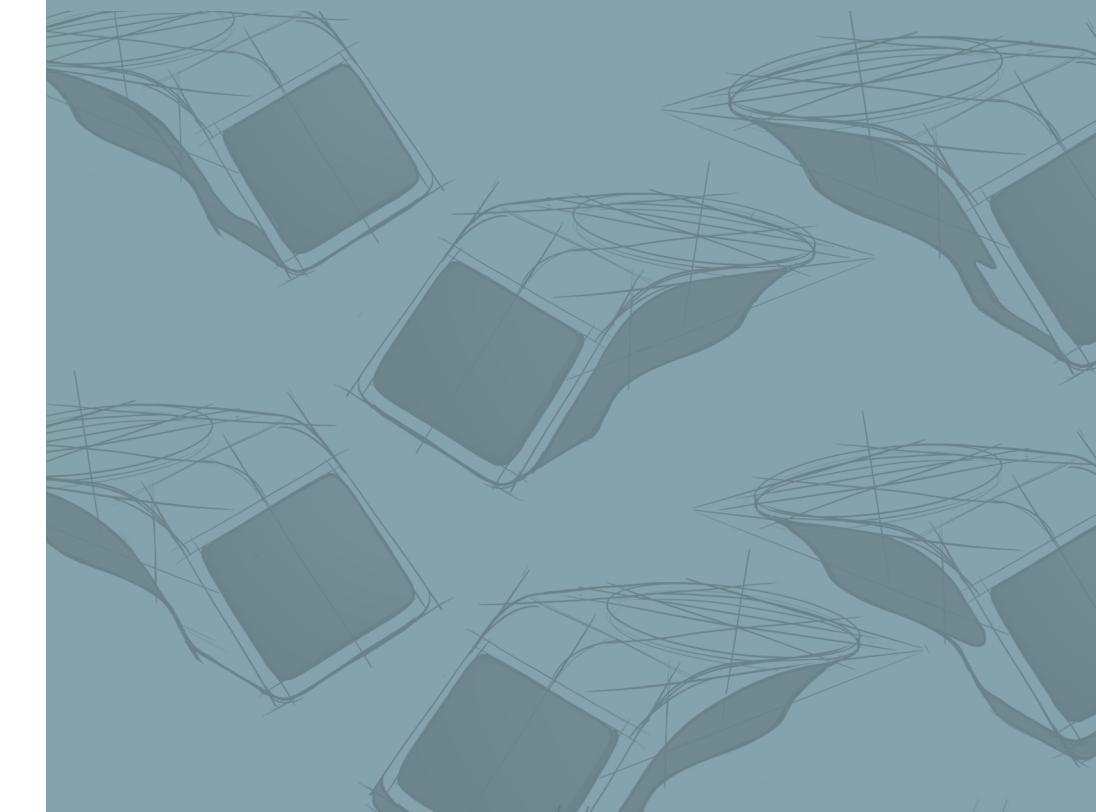
Ground displacement measuring device: Autonomous and CO₂ neutral

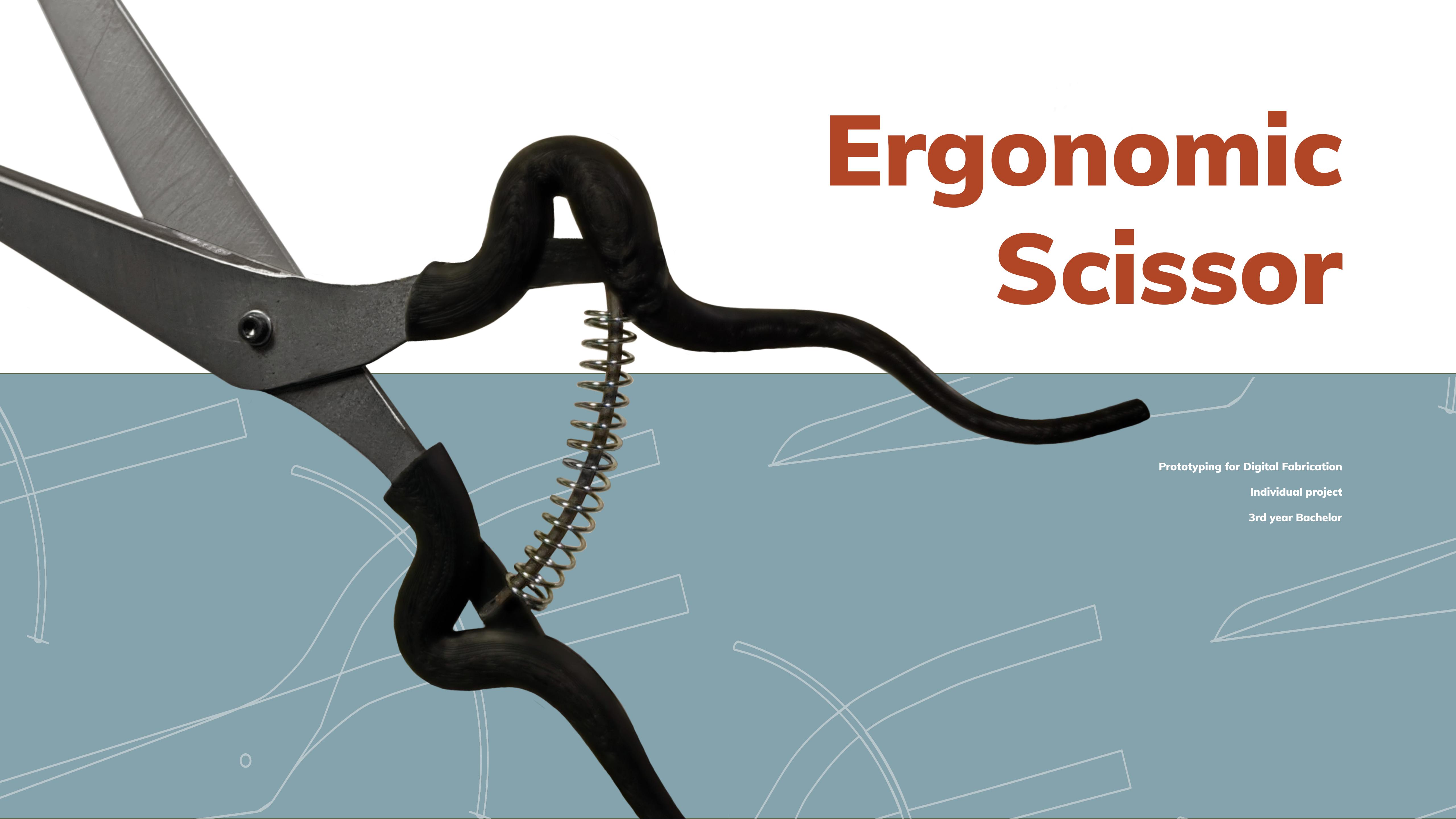
The Locator One is used in construction zones while landfilling. When the soil has been deposited, the Locator one monitors the displacement due to ground settlement and sends the measurements to the cloud daily.



Concept sketch to real life product

Using the provided configuration of components I created a variety of concept sketches for attractive shapes that fit SODAQ's product portfolio. Maintaining the shape during the CAD modelling was difficult and necessary adjustments were made to optimize for manufacturing.





Ergonomic Scissor

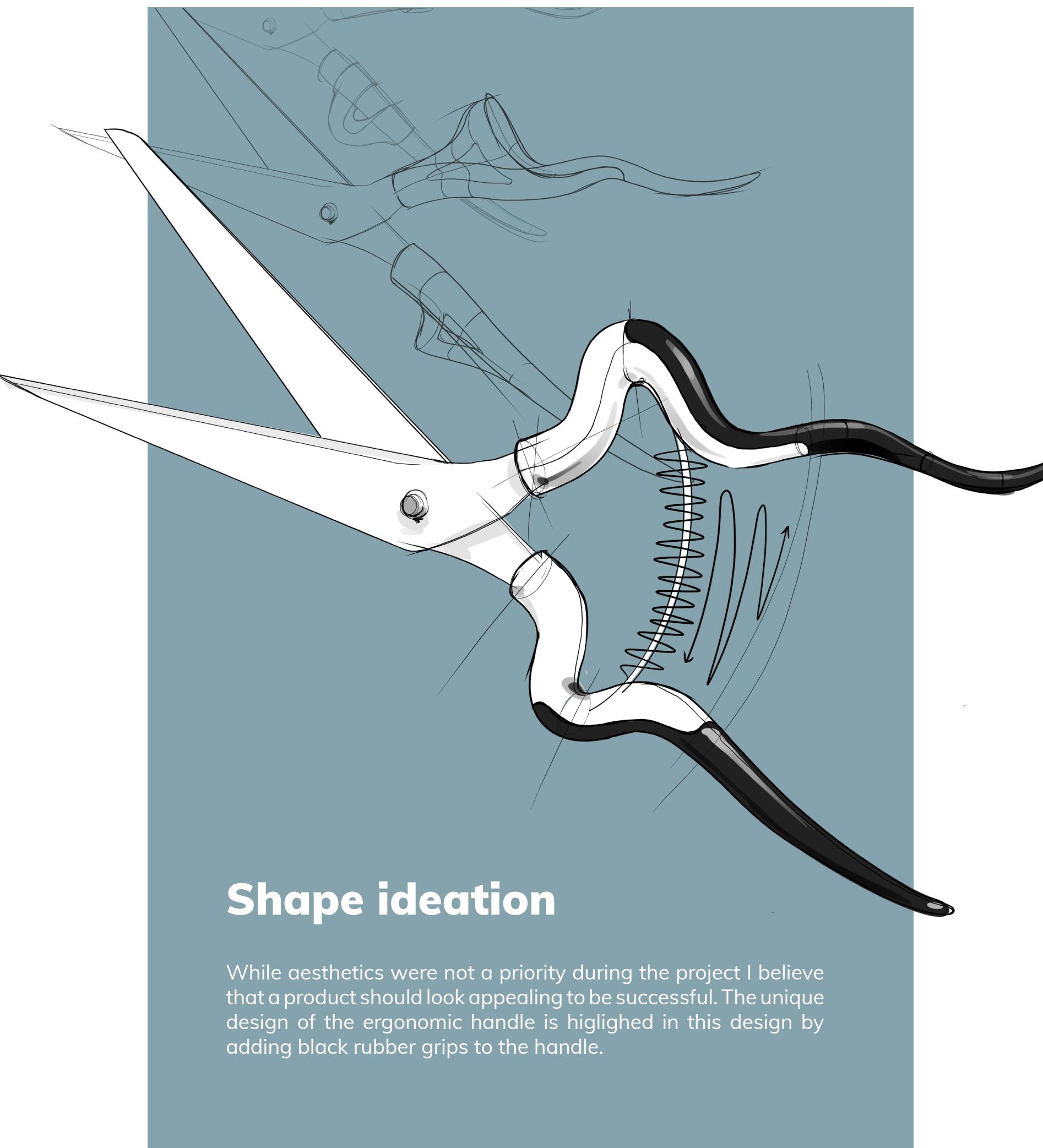
Prototyping for Digital Fabrication

Individual project

3rd year Bachelor

Prototyping

To create the right scissor with a great ergonomic grip a variety of prototypes were created using cardboard, lasercutting, clay and 3D printing.

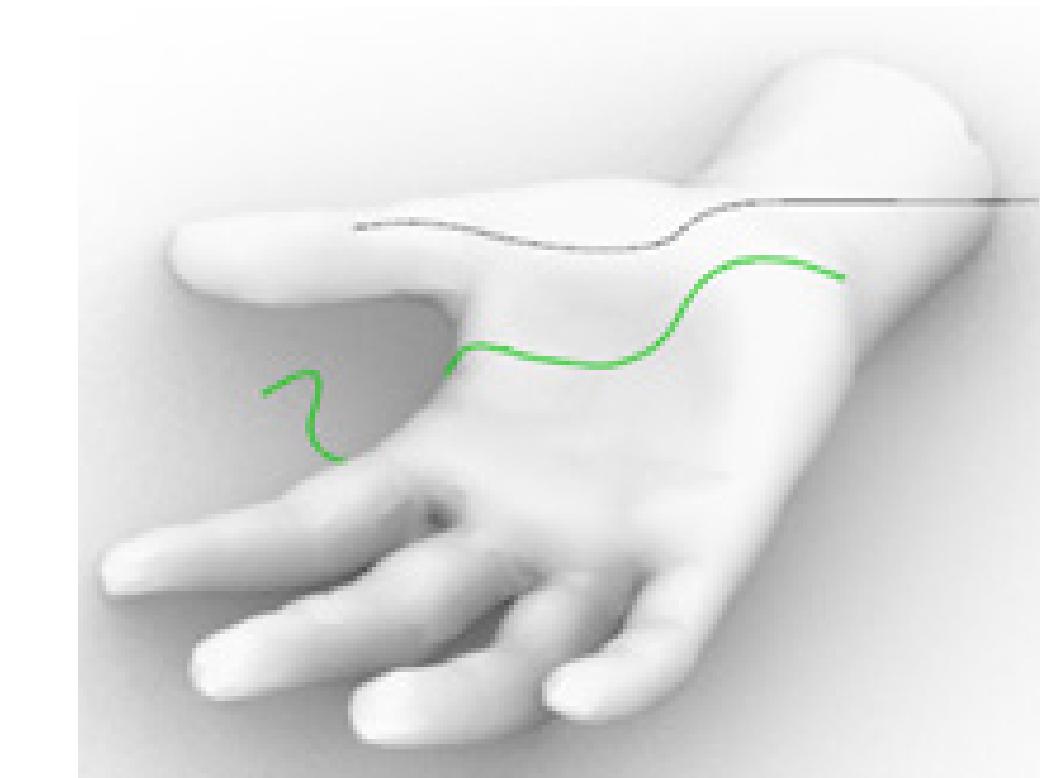


Shape ideation

While aesthetics were not a priority during the project I believe that a product should look appealing to be successful. The unique design of the ergonomic handle is highlighted in this design by adding black rubber grips to the handle.

Rhino + Grasshopper

To create a pair of scissors specifically modeled for my hand I used a scan of my hand. Through inputting this in Rhino and determining a curve I got to my final shape.





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