Portfolio

Bart van Mourik
Industrial product design
BM Klusservice

Project 01

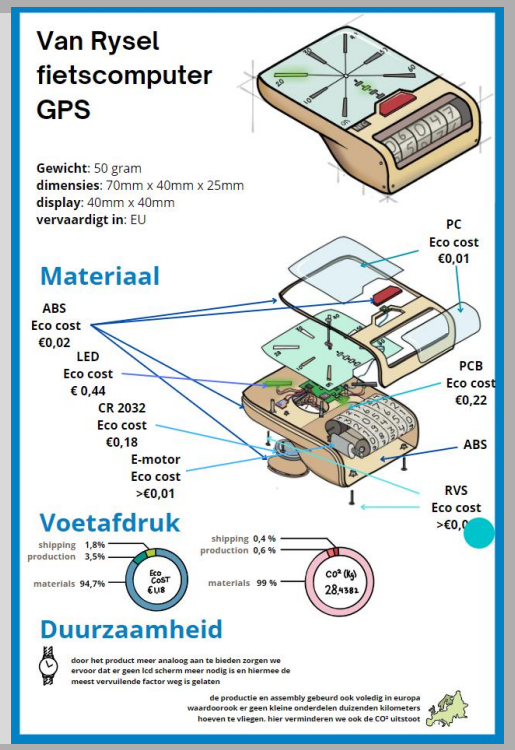
Custom cabinet

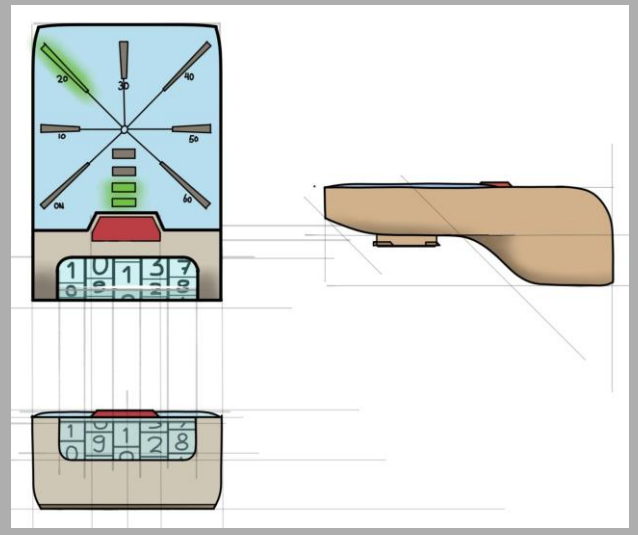
Cabinet custom made for an off space for someone who moved to a small appartment and needed one place for all her personal belongings. Designed to work as a walk in closet without having a specific space for this. Formed in a U shape so you can stand in one place and reach every item.

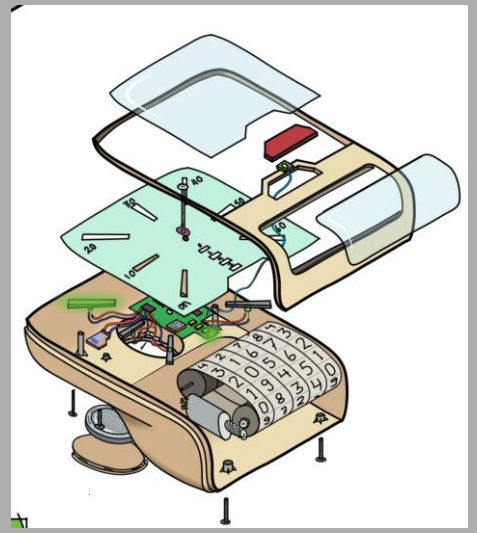
Project 02

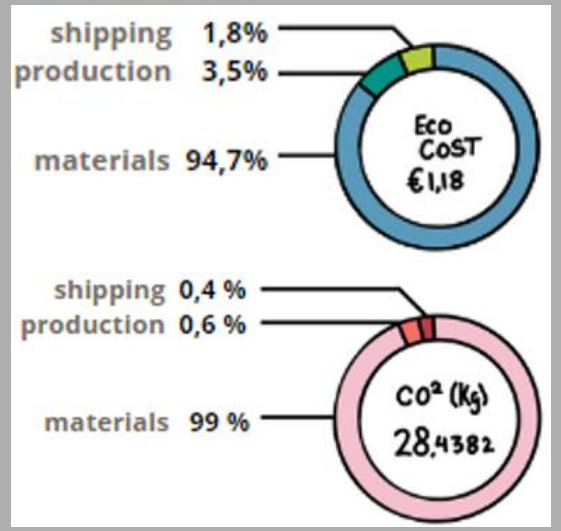
Sustainable cycle computer

We investigated the sustainability of our chosen product and identified the LCD screen as the least efficient component. It consumed a lot of energy, required complex materials, and had a shorter lifespan. To improve the product, we removed the LCD screen and replaced it with a low-energy LED display that shows only the essential information: speed and odometer data.
We also added an NFC chip, allowing the device to connect to a smartphone for additional functions. This makes the product more energy-efficient, easier to recycle, and more durable, while still offering the same key features





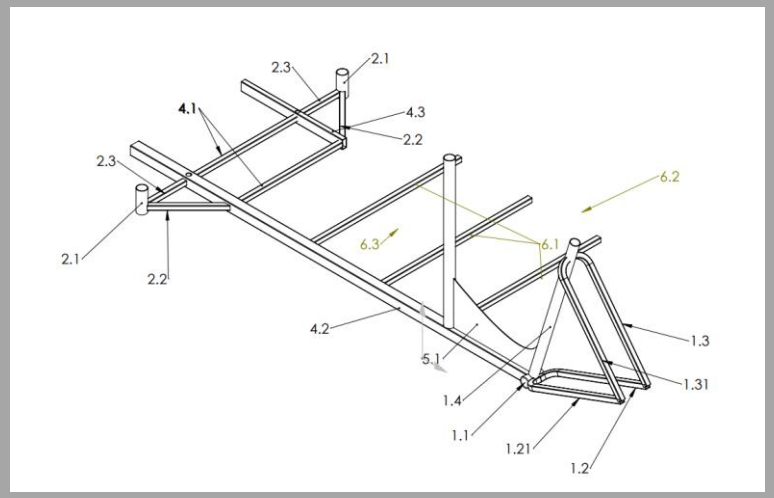


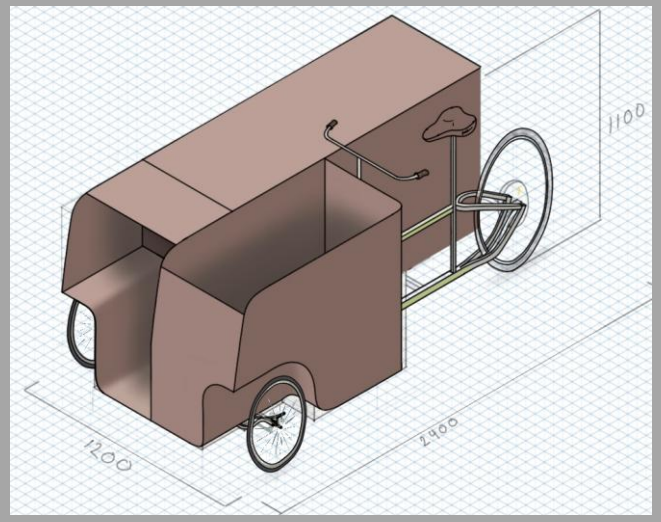


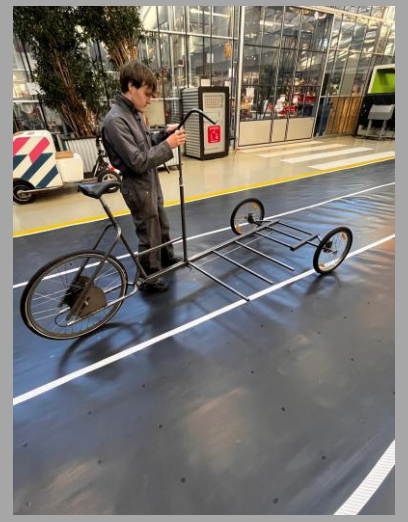
Project 03

Urban mobile workstation

For the Urban Mobility minor, I developed a vehicle concept designed specifically for a handyman working in a typical city environment. The idea was to create a bike that also functions as a mobile workspace. All tools can be stored inside the bike, and the top surface acts as a stable workbench.
Compared to a traditional van, the handyman avoids high parking fees, fuel costs, and restricted access zones. The bike can be parked almost anywhere on the sidestep, making it far more flexible in dense urban areas. It is equipped with an electric motor, allowing the user to move quickly through traffic without arriving sweaty or tired. This makes the vehicle not only practical and efficient, but also well-suited for modern, sustainable city mobility.



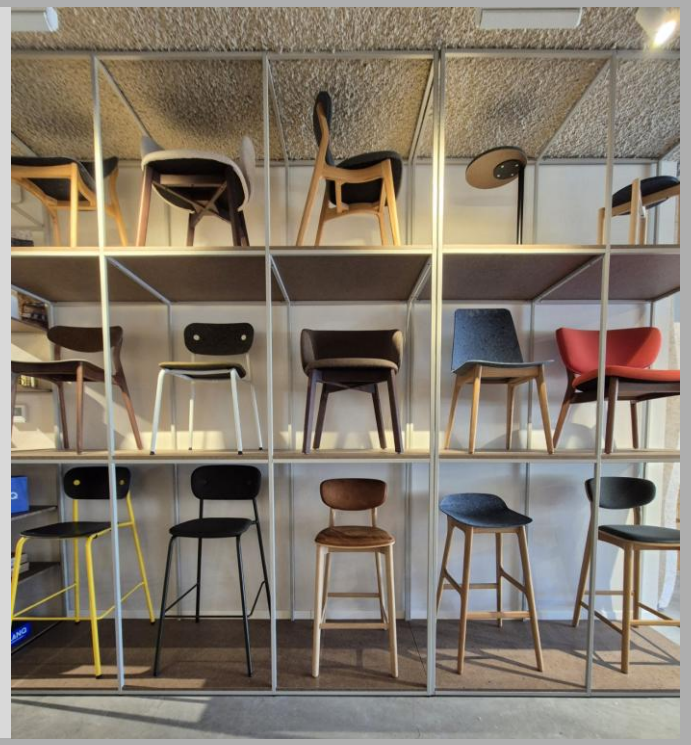


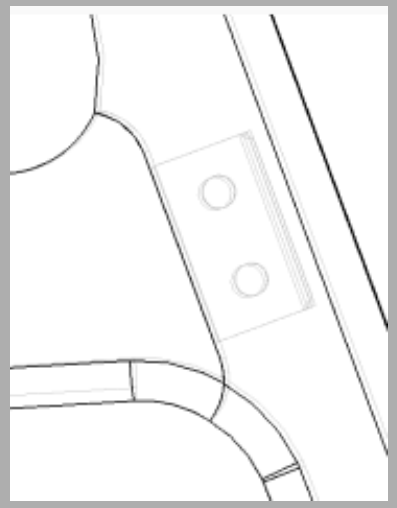


Internship

Planq

During my internship at Planq, I worked on several hands-on projects that combined design, craftsmanship, and sustainable material development. One of my projects was a custom cabinet for their showrooms in London and Gorinchem. I designed the cabinets and built them on location. I also helped solve a structural issue in one of their chairs by assisting with the reconstruction and reinforcing the weak points. I also carried out material tests aimed at increasing the amount of waste material that could be integrated into their products, contributing to Planq's mission of circular design.





Small Projects

IPO Hogeschool rotterdam

A electric cargo bike from an old frame for my small handyman business. It’s designed to fit everything I need, and in the city it gets me around faster than a regular work van.

A simple lamp designed with subtle Bang & Olufsen-inspired elements, especially drawing from the look of their headphones.

A custom closet built for an awkward space above a staircase. Standard shelving wasn’t practical, so I designed a solution that makes every section easy to reach without leaning over the railing.

Custom plinth work crafted for a uniquely shaped kitchen bar. The unusual angles made standard solutions impossible, so I created a tailored design that follows the geometry.