Tree-tment

The Idea of Lorena Lucek

Rotterdam has a lot of rainfall throughout the year. Unfortunatly the city can't come up with enough trees and forests in general to avoid the flooding that occurs in many parts of Rotterdam. By collecting the rainwater you can not only avoid the overflow of surrounding gardens, you can also decide when to pour, which can be useful in hot summers like the one we expierienced last year. Beside that: the stored water work as a cooling system too, which makes it a great spot for meeting up with friends. If there is rain and no need for a break of the heat, you can still sit on the wooden bench and share the shed with your close ones. When you don't feel like sitting with others - when you need some „me" time to read a good book or something, you can easily take one piece out of the bench and place it where ever you want to sit.

The collected water is used for the different plants growing on the „Tree-tment" itself, or is used to water the garden in the surrounding areas. In the progress of collecting the rainwater, energy can be generated. Everyday at 9pm the energy will be used to light the lightbulbs which are placed over the whole tree. This beautiful spectacle will not only amaze and bring people together but will be a homage to the ecological advancement of Rotterdam.

MMp StudyWeek 2019 Rotterdam 6.-10.5.2019
SKETCHCITY
Project

NRG CYCLUS

made by
Davis Kwame
mmp18b

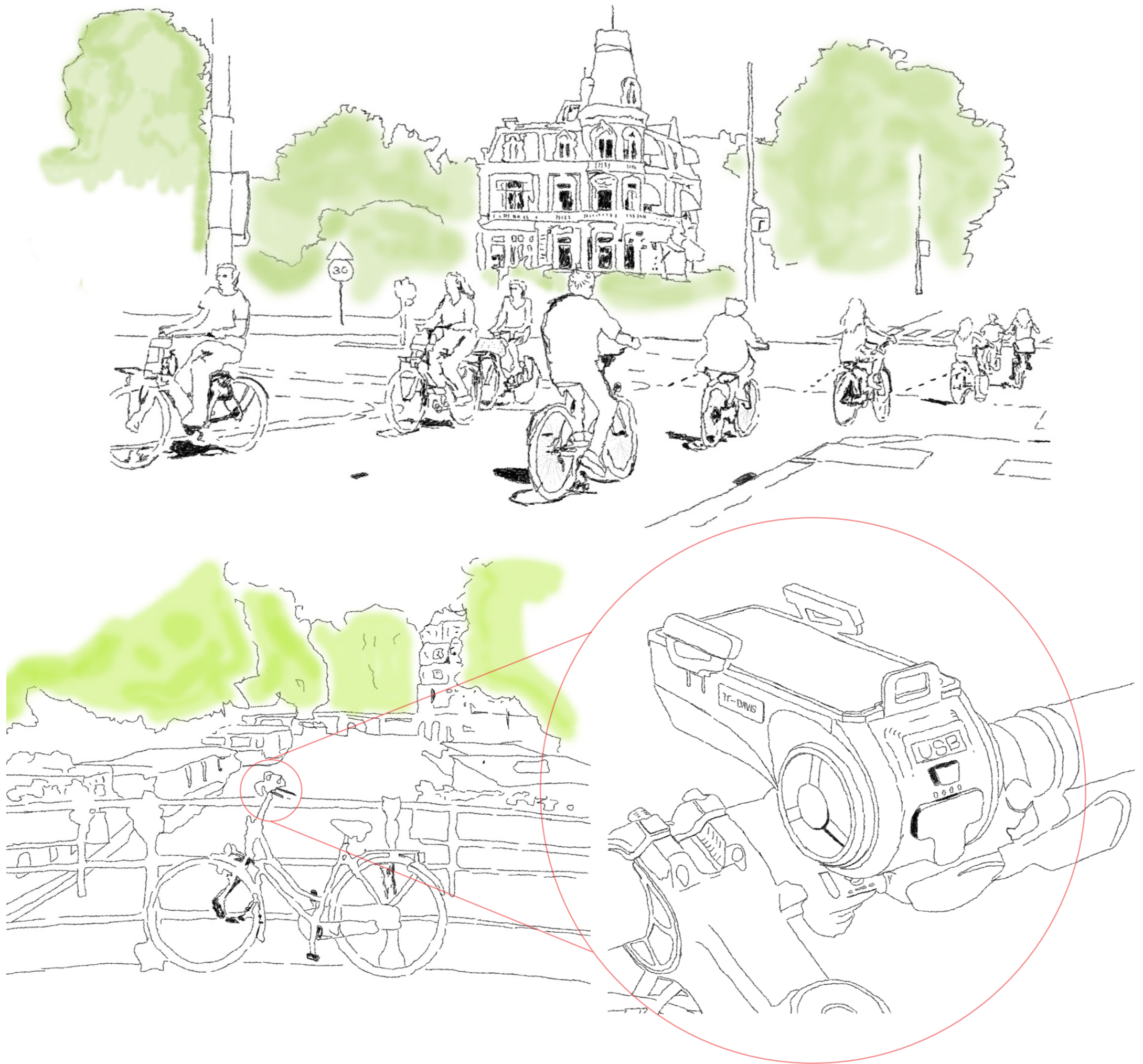In Rotterdam there are countless cyclists who use the infrastructure daily.

With my group, I took two hours a day to get to school. My group consists of six fellow students, so that's 60 hours drive in a week, which is a considerable amount. In part, we did a Rotterdam tour after school and there was a problem; no battery on the iphone.
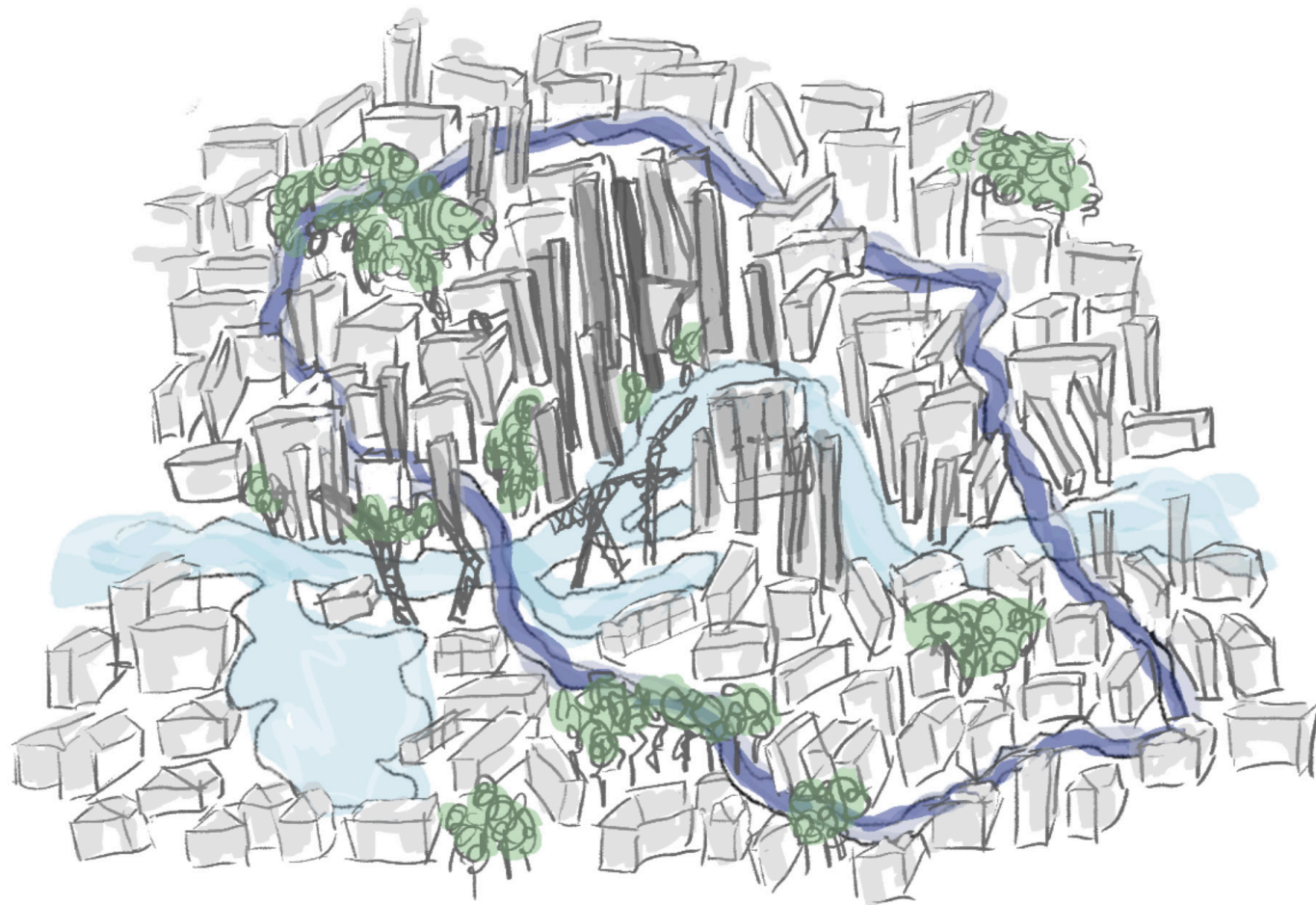
How about if cyclists can generate power for external devices while driving?

BOOM, that's the idea.

The idea is that a power generator is attached to the bike. On the handlebars, a power collecting point is fixed on which you can charge various electronic devices. With a USB connection, the external devices are powered.

The inhabitants of Rotterdam would save a lot of electricity with this idea. In addition, this invention could drive residents to use more of the bicycle, which in turn is good for physical fitness.
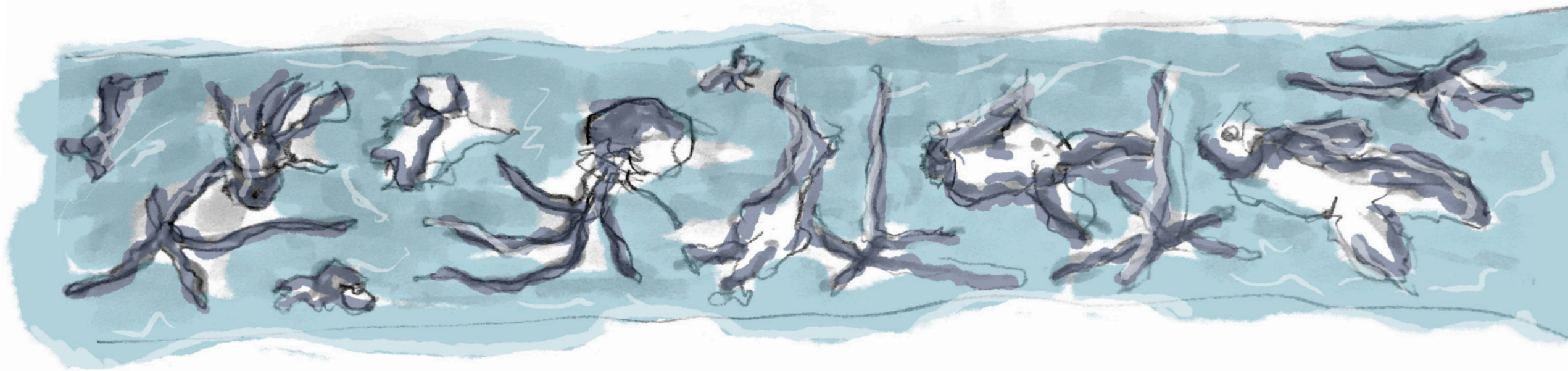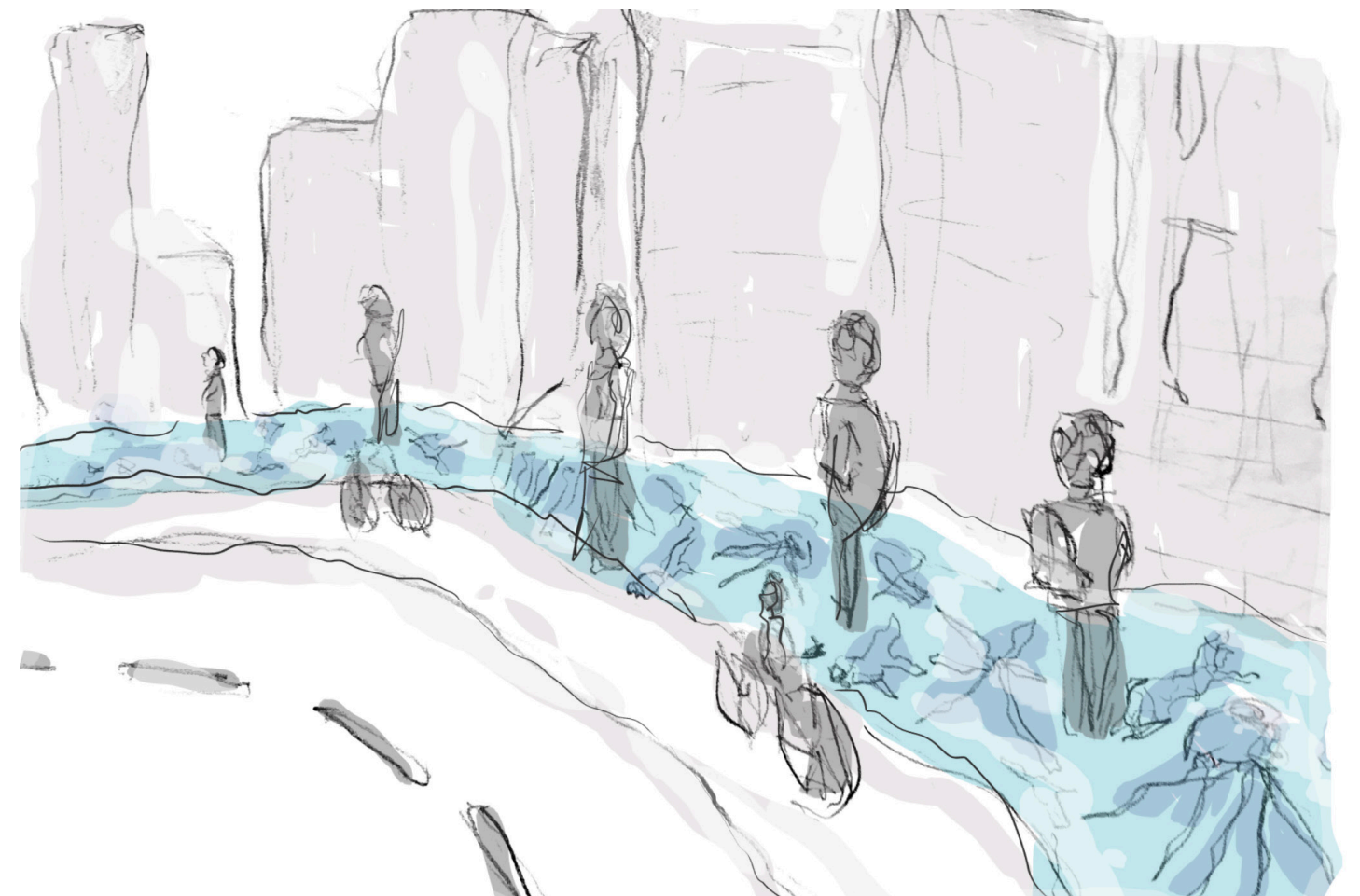
Walking Sea Level

Alice Loher

My idea is to paint along the path of a sidewalk connecting every district of Rotterdam. The path is shaped like a ring and the painting represents the life underwater.

On one hand, the circle stands for the connection between all citizens of Rotterdam by connecting every district with the painted sidewalk. Especially the connection between the northern and southern part over the river would be reinforced with the painted circle.

On the other hand, the paintings which represent the life underwater should raise peoples awareness of the problematic raise of sea level which is due to climate change. If the sea level continues to rise, Rotterdam will soon be underwater. And therefore the paintings represent the problem by showing the pavement underwater. Also the circle signifies that this problem will not be solved only by a handful of people but will concern the entire population of Rotterdam.

As a special effect the paintings are shimmering when its raining to make it seem like the sealife is moving.
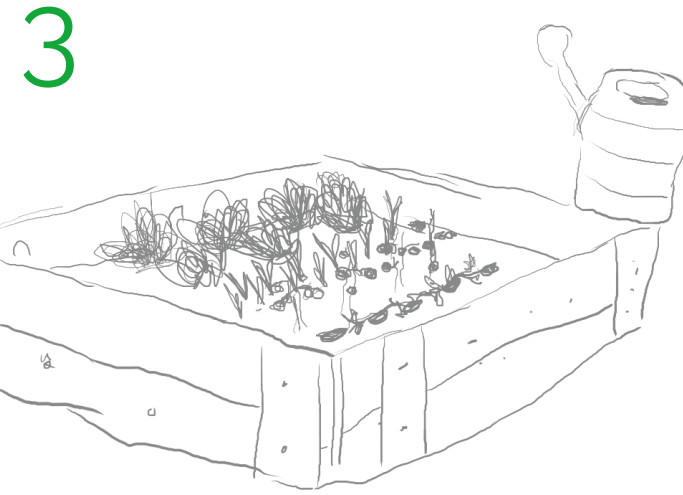
Aileen Lakatos

My Idea is ...

...to lower the packaging waste, bring people together, make Rotterdam greener and help people with a low budget.

Julie is 23 years old, student, has not that much money and wants to change something with her waste behaviour. On facebook she's launching an intervention. In her street she wants to plant vegetables in diffrent containers. Everything you can plant the vegetables in is possible. To bring the aspect of the art, the containers are colorful with diffrent motives. On facebook is a timetable, where the people can write into a list, who is watering and caring for the garden. Every two month is a competition between the neighboors and their gardens. The one who has the nicest garden wins a bottle of wine. This brings everyone together. So in the end Julie saves money, because she doesn't need to buy expensive vegetables, meets her neighbors, helps to lower the packaging waste and makes her street greener.
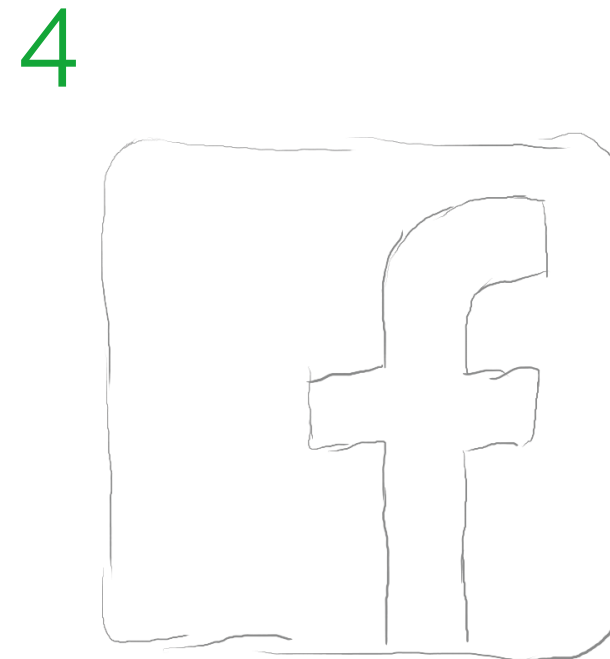
1

Julie, 23 years old

2

Bareveldstraat in Rotterdam

3

Vegetable garden

4

Intervention on Facebook

5

Closer look

6

Wine for everyone

Make Rotterdam GREEN again

Nathalie Müller

My Idea is...

At the time I arrived in Rotterdam I noticed, that there were only a few pedestrians strolling along the streets. As a pedestrian you seem to feel lost and intimidated inbetween these tall buildings and busy streets. The regulation of the traffic does not benefit the needs of all road users as equally as they should. Standing at a crossroad can be frustrating due to the long waiting period at traffic lights.
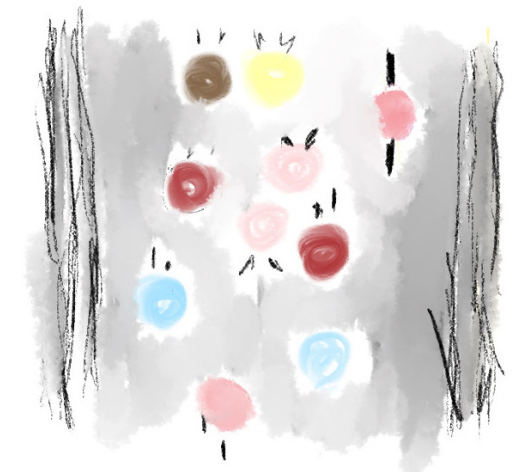
Inspired by the traffic situations at crossroads near Markthal, Erasmusbrug and the quarters of Zuidplein, I created different kinds of bridges that suits the surroundings for pedestrians to cross the roads. The architectural design is based on the architecture of the urban planning nearby to fit in, rather than to disturb the landscape. The bridges do not only fit the purpose of getting from on side of the road to the other, they are also designed to be a meeting-place for the society of Rotterdam. Let's make the streets of Rotterdam pedestrian-friendly.

Zuidplein today

Zuidplein tomorrow

Strolling across the bridge, aerial perspective
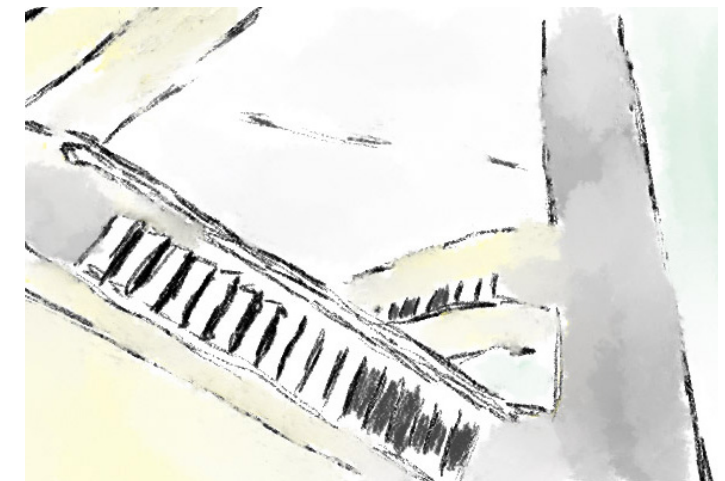
Building Bridges
connecting Rotterdam

Markthal today

Markthal tomorrow

Bridge construction in detail
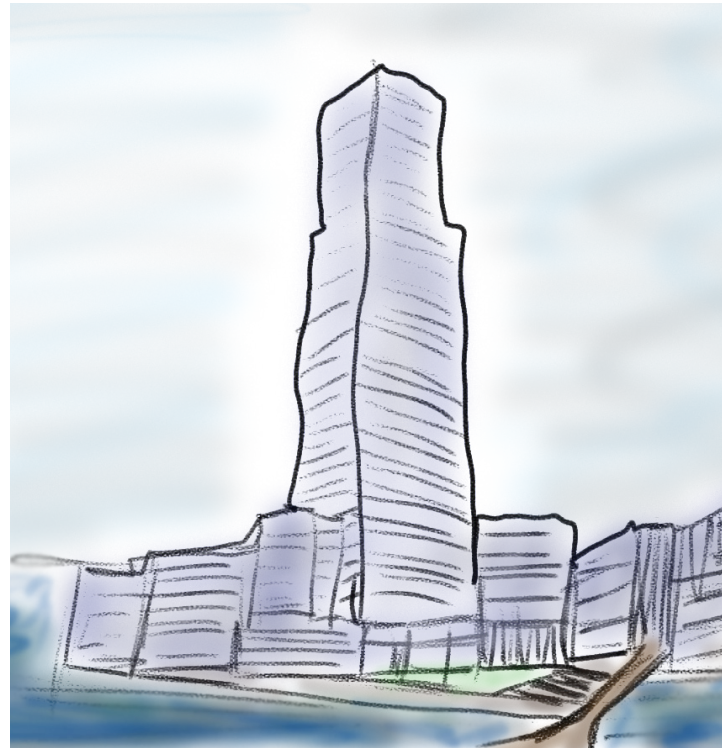
Amanda Manse

TREEMENDOUS

Treemendous - combining art inventions and bottom-up initiatives for the people of Rotterdam one (tree) at a time.
Rotterdam is a city that feels cold, grey and almost uncomfortable due to it's big skyscrapers and unsettled atmosphere. What do you invent in an already well presidented, resilient and quite sustainable city?
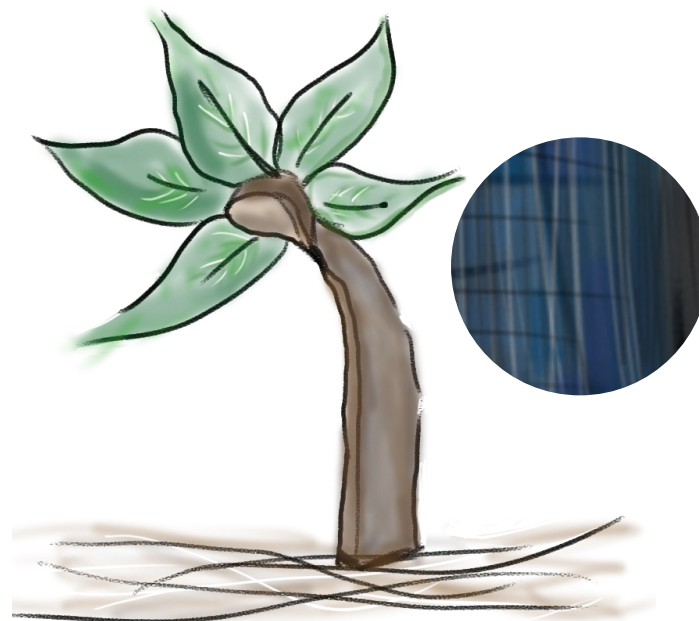
Exactly - you improve, beautify and specify certain areas of the city by listening to the voices of the public. With the power of Rotterdam's inhabitants, my idea is, to greenify the city one tree at a time. For a greener, fresher and livable future of this fast growing modern city.

On one hand I would like to build a community which plants trees together - in areas, like before mentioned, that are unattractive and cold. It will give the city a more homey and livable vibe which will also help the population of Rotterdam to socialise.

An alternative Windmill

From there on I figured it would also be nice to invent something artsy, that at the same time is useful. Although it is not an entirely new invention, I believe I am taking on a new approach of said idea. Why do wind mills and solar panels also always have to look boring
and have this very industrial feel to them?
I don't think so.

With the second part of „greenifying" the city of Rotterdam contains altered artsy solar panels and wind mills.

An unconventional, futuristic tree with Solar-Energy Panels

MMp StudyWeek 2019 Rotterdam 6.-10.5.2019
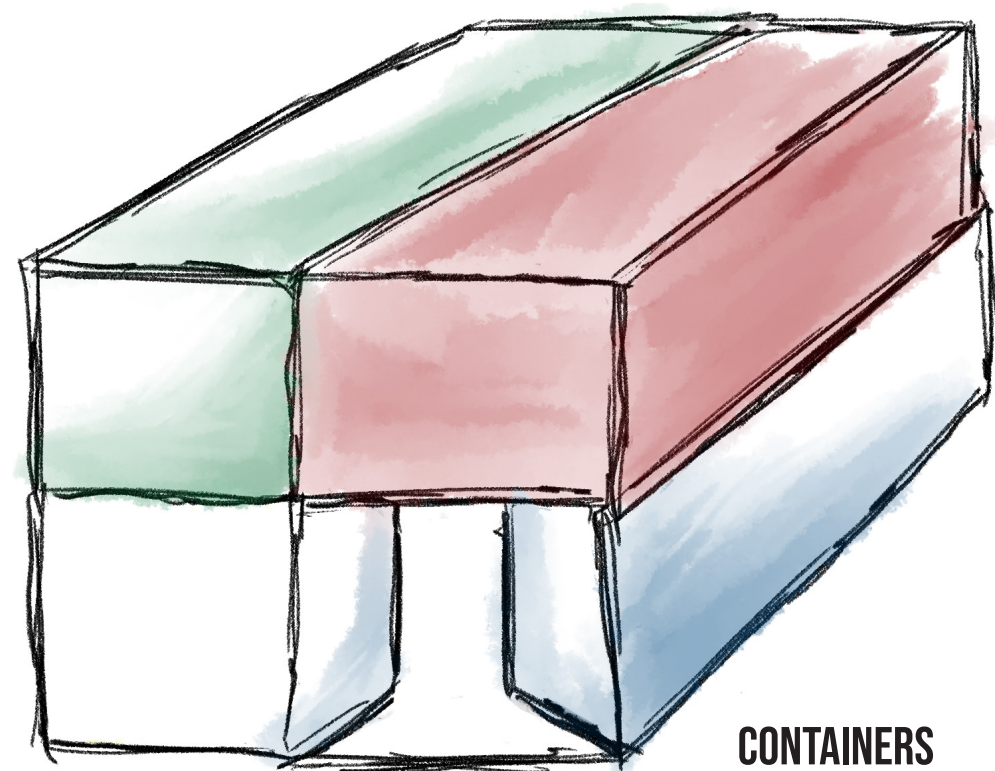SKETCHCITY
Project

Corina Mühle

FOOD UNITES PEOPLE

Rotterdam is a city with a big range of cultural diversity. People from all over the world live together in one city. This place that's going to be built is here to create exchange between people with different cultures. One part of the project is a garden called «Kulturgerüst», which will be built by Lynn Aeschlimann. Containers that can't be used anymore for their original purpose will be transformed into a tiny house. The important part of this house is the kitchen and the grill station.
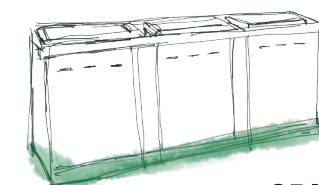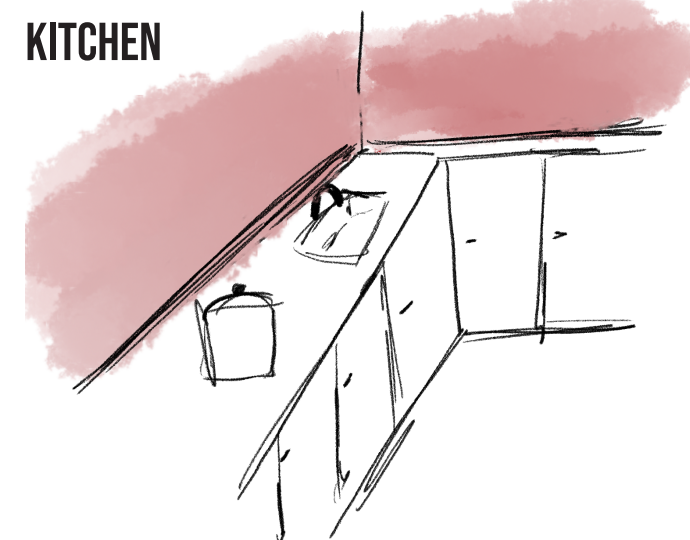
Every Sunday there will be a «Day of Culture», every week with the theme of a different coulture. People from this country will present their culture and cook their food for everyone present. The vegetables and fruits that grow in the garden around the place will be used to cook the meals.

During the rest of the week the location can be used to carry out cooking courses. Those courses also stand under the theme of different cultures.

The goal of this centre is to get to know and appreciate different cultures. The events will be organized through Facebook, everyone is welcome.
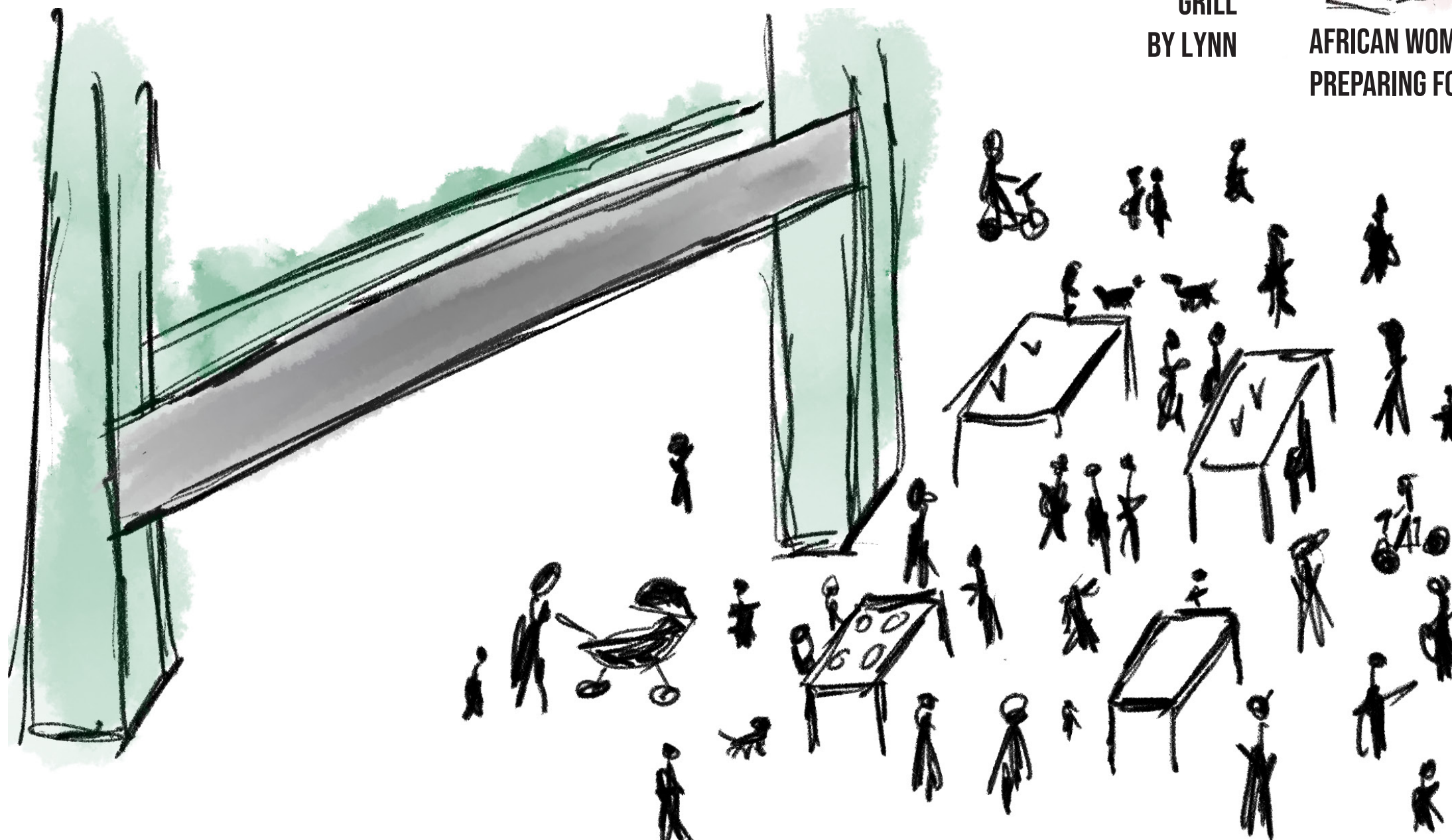
KITCHEN

CONTAINERS

GRILL
BY LYNN

AFRICAN WOMAN
PREPARING FOOD

Andrea Maag

My idea is an indoor park with a surfing wave.

Because there is a lot of rain in Rotterdam, people need a place where they can stay in case of bad weather. Of course, there are a lot cafes and the Markthal, where one can eat, but during my time in Rotterdam I realized that the inhabitants have very close connection to nature. With an old industrial hall repurposed into an indoor park, I want to give people a place that conveys the feeling of an outdoor park, where they can meet up.They can surf on a natural rainwater wave provided by the rainwater reservoir. All the electricity used in the hall is produced by the solar panels mounted on the outside of the building.

There's a chillout lounge with a sandy ground and a green plant corner, where you can drink coffee and talk to friends. In summer there's the possibility to roll back the roof of the building so people can enjoy the sun. There is no better place to meet and have fun than in the INSIDE OUT Park!

INSIDE OUT

Colored solar panels

INSIDE OUT

Solar energy tank

Rainwater reservoir

Rollable roof