

portfolio.

GIJS WELS

me.

Hi,

I am Gijs Wels.

An industrial designer with a focus on physical products and the relationships we create between people and their world through design - the new behaviours and experiences they enable.

My specific interests are well-being, innovation, and good design, both aesthetically and practically. I learned that it is not only important to dream but also to realise. This results in a hardworking person who motivates those around him to achieve the same goals - to make things happen!



"Seeing the same, but seeing it in a way nobody has ever seen it before."

- Jules Deelder

index.



well-being.



PausePing

*Bring structure to the workplace.
Communicate your break as an invite or
participate in someone else's break.*

Other Functionalities

To meet everyone's preferences, the device is equipped with options to place it where you want. It has a sturdy base that you can place flat on your desk, a clip-like function for thin screens and a hook for wider ones.



Obstacle

According to research by TNO and CBS, one in five working people in the Netherlands experiences burnout-related symptoms. Among the young working adults, age 18 to 35, this is one in four. It is expected to rise to one in three young working adults in 2027.

Opportunity

Micro-breaks are necessary for keeping a steady energy level and most important required during stressful periods with high workloads. During micro-breaks, it is recommended to move around to get blood circulation flowing. With a safe social context, taking breaks is normalised and awareness is created among colleagues.

Solution

A small device which can be plugged in at your workstation that day. When communicating your breaks, colleagues receive a friendly invite. The notification of colleagues having a break acts as a friendly reminder and lowers the threshold.



ergonomics.



Evolve



One comfortable chair that fits all primary school students and creates an environment to improve their performance!

Obstacle

Schools have a lot of spare chairs and on average 7 different sizes. One day a year, teachers and students look for a chair that fits but often children use a chair that is too small or too large. In addition, they do not feel responsible for their chair and act careless.

Opportunity

By aiming for a personalised workspace students can study optimally. By offering smart educational furniture the workload of teachers is reduced, which contributes to more focus on student growth.

Solution

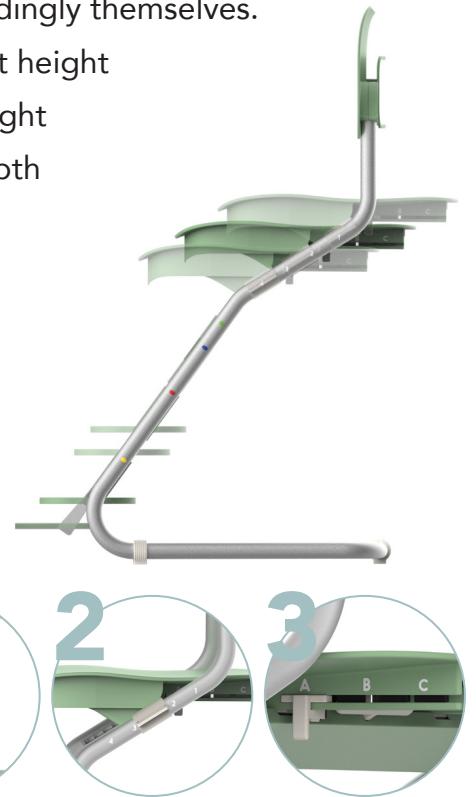
One chair that suits everyone. To strive for a correct posture the students can alter the chair themselves using a simple system. The chair is also equipped with a vibration function for children who find it difficult to concentrate. It is a low frequency to filter out other distractions and is mainly intended for children with ADHD. The vibration seat is an add-on and can only be activated by the teacher.



Adjustable Functionalities

A tool, PeterDeBeenMeter, is developed for children to measure their bodies and set the chair accordingly themselves.

1. foot rest height
2. seat height
3. seat depth



urban.



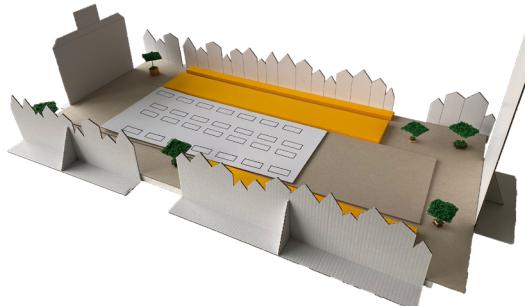
StadsOase

The StadsOase offers a movable green oasis for bustling places in the city. It's not just a green future, it's a flexible green future!



Adaptive Functionalities

The square is multi-usable. Like a real oasis, the spot is used by locals for all kinds of activities. Plants and trees are placed in various large CORTEN-steel pots, which can be picked up and placed wherever. In the hustle and bustle of the city, within the greenery, an oasis of peace unfolds.



Obstacle

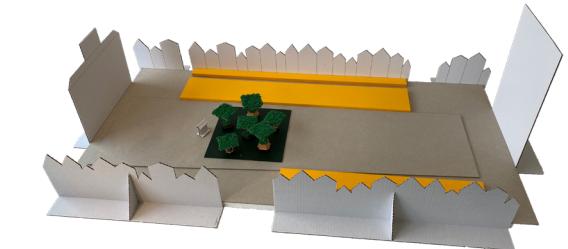
It's getting warmer and warmer. Urban areas are more affected by this due to the urban heat island effect (UHI). A phenomenon that the temperature in those areas can rise 7 to 8 degrees more than in the surrounding rural areas. The biggest differences are noticeable in the summer periods, precisely at times when such temperatures already cause problems for residents.

Opportunity

The asphalt, the concrete and the buildings are the causes of this development. The only sustainable solution is greening the city to make the urban areas more adaptable to these changes.

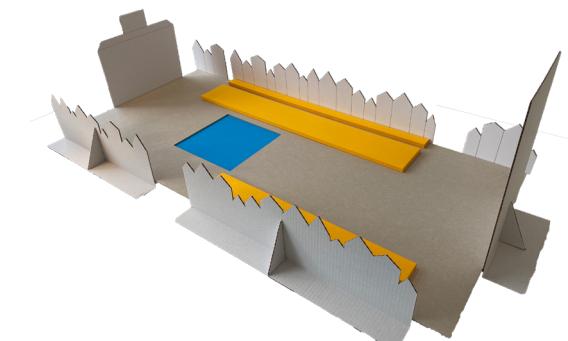
Solution

Targeting busy squares in the city centre; places that fulfil multiple functions and sometimes have a historical appearance. The idea is an adaptive urban oasis wherefore the place can fulfil the wishes of all residents. In addition, the spot is used to inform people of the issue and its hazards.



Water Source

The square is self-sufficient. Like a real oasis, the spot has a hidden water source. Underneath a water tank collects rainwater. Regular pavement is replaced by water-permeable tiling. The water is used for watering the plants and trees during dry periods.



wood(s).



NatureSeat

An active sitting space for Otaniemi campus locals that provokes creativeness by using the natural environment.



Lie down like a frog on a leaf

In Polish there is a saying which is used when people sit back, relax and do nothing. Frogs can sit still for a long time. I like to think that they're enjoying nature.

Nature is often used to rest, enjoy and get away from the hustle and bustle. People are often very curious by nature and try to find the nicest places. This solution makes sitting in nature a more comfortable experience but also ensures that people stay as close to nature as possible.

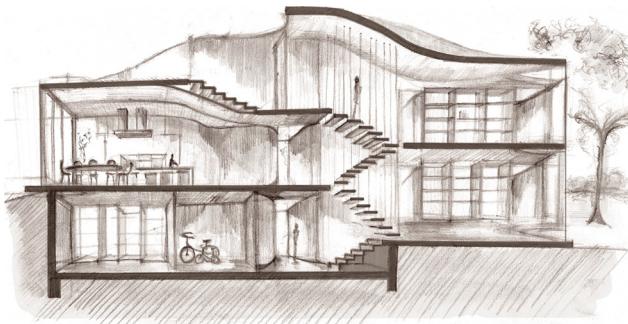


architecture.



WhirlSofa

A swirling sofa and table in one - based on the W.I.N.D. house situated in Bergen - to enhance the social part of the family home!



Model Study

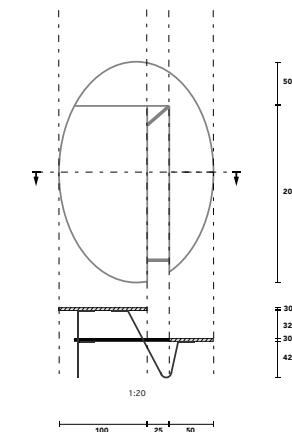
The W.I.N.D. House is a family house in Northern Holland. The base of the design is formed by the flexibility of spaces, the surrounding landscape and a "centrifugal split-level principle". This means that the house is centred around a staircase. Therefore, there are no hallways present in the building and all the spaces flow into each other.



The W.I.N.D. House

Form Study

In this piece of furniture, the principle of the stairwell is also the centre of attention. As a chair flows into a sofa and as the sofa flows into a table. This ensures that different activities of different family members can be combined. This allows you to be together, but also to be just involved with your own activity. The W.H.I.R.L. Sofa consists of two parts. A wooden plate for the table and bench and a construction of metal pipes to connect these wooden plates.



HouseLudens

Homo Ludens, the paradigm of humanist scholarship. Cultures arise and unfold in and as a play but tend to lose their playfulness as they mature.



Obstacle

A trend is noticeable towards shorter working weeks and working from home. Expectations are that in the year 2100, Industry 5.0 will have taken over much of the work. Leaving offices empty.

Opportunity

Less work means that a different interpretation for life is needed. The perfect moment to change course and focus on the playful sides of life and give a different meaning to 'home'.

Solution

Abandoned offices are reused as co-living spaces. Offices have excellent facilities such as ventilation shafts. When floors are removed, a great structure remains. The large empty space is filled with free-hanging rooms which are connected by nets. With the cherry on top, as a shared forestry garden unfolds on the rooftop. Rooms typical for homes in the past have been rethought. The kitchen is now the 'firepit', a VR room is installed to keep active and the bedroom is like a snail shell with hammocks.



thanks.

Bye,

Thank you for looking into my portfolio!

I hope you enjoyed reading about the projects I am very proud of. Who knows, maybe we will see each other in the future!

You can find information about my extracurricular projects on my CV. For more information and videos about my projects, visit my website:
gijswels.github.io.

Kind regards,
Gijs Wels



"If you are aware of the limits, you can work limitless within it."

- Jules Deelder