

PORTFOLIO MARIUS KINDLER



hello!

My name is Marius Kindler I am an industrial designer from Germany I am currently studying in the second year of the Advanced Product Design Master at Umeå Institute of Design.

Right now I am searching for exciting opportunities to take the next step in my career after my graduation in June 2022.

mail: mail@mariuskindler.com

my experience

After almost 3 years of experience working in the design industry I went back to university to further explore my potential as a designer.

As I already worked for a wide range of clients and brands from various industries I feel confident in all stages of the process and can rely on my broad skill set as a designer and the experience of bringing several award-winning products to market.

ID & beyond



















PROFESSIONAL POSITIONS

INTERN / TRAINEESHIPS

CORE DESIGN SKILLS



industrial designer yellow design | yellow lab Cologne (GER), 2017 - 2019 (2.5 years)



product design trainee Above.seMalmö (SWE) , 2021 (6 mo.)

strengths

ideation & concept visualization interdisciplinary team collaboration organization & time management communication & presentation current trends & social media

ACADEMIC EDUCATION



product design intern FLEX / design Delft (NL) , 2015 (6 mo.)

software

✓ Solidworks, Keyshot, Adobe CC, Procreate

 Fusion 360, Shapr3D, Sketchbook Pro, After Effects, Premiere, Audition, MS Office, Miro, Google Office, Keynote, Slack



HOCHSCHULE COBURG

Advanced Product Design Master Umeå Institute of Design Sweden, since 2019



product design intern yellow design | yellow lab Cologne (GER), 2013 - 2014 (6 mo.)



German (native)
English (fluently)



Bachelor Integrated Product Design Hochschule Coburg

Germany, 2011 - 2016



working student
Brose GmbH & Co KG
Coburg (GER), 2012 - 2015

recognition

German Design Awards (5x)
Design PLUS Awards (2x)

Red Dot Design Awards (4x) Core77 Design Awards (4x) iF Design Awards (3x)

Iconic Interior Awards (4x)

my passion

Next to work and studies I am a vocal member of the online design community I am sharing my work and my experience with more than 100.000 designers & students from all over the world that are following me and my work on Instagram.

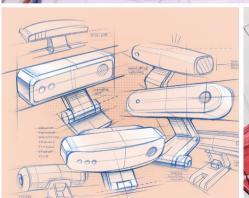
Currently I am working on an online video course to teach my passion for design sketching and the skills I have acquired over the recent years.

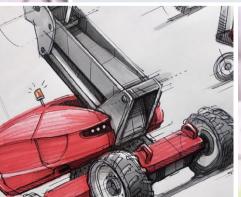
online educator

freelance illustrator

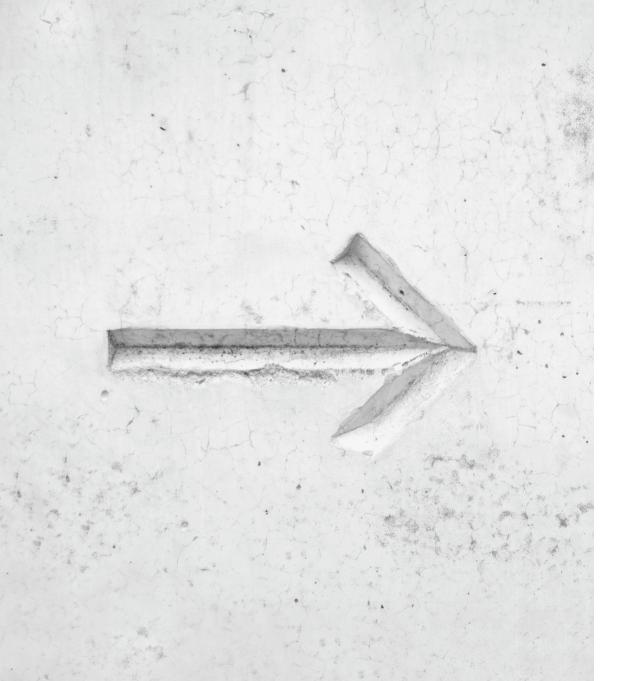
instagram







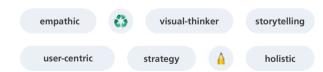




my perspective

Despite my profession as an industrial designer I try to address design challenges in an holistic way. I like to think beyond the product and to include users, business, brand & strategy.

My goal for the future is to work as an industrial designer across the disciplines - to use my skills to drive positive change and to be conscious about my footprint and the impact of my work - while designing products that serve a purpose as well as engaging experiences that make people smile.



my personality

Of course making a worthy contribution to a team and a working environment requires more than just design skills. So I also bring a positive mindset, a humble attitude and the ability to motivate other people - while playing for the team.

Beyond that I am also curious and eager to dive into new subjects as I learn the most while facing novel challenges. I try to live an active lifestyle, do a lot of sports and also follow my passion for design beyond my working hours.

positive dedicated team player curious



UNIVERSITY PROJECTS CREATED DURING EDUCATION (BACHELOR & MASTER)



university project at Umeå Institute of Design four-week design sprint | team of 3 | 2019

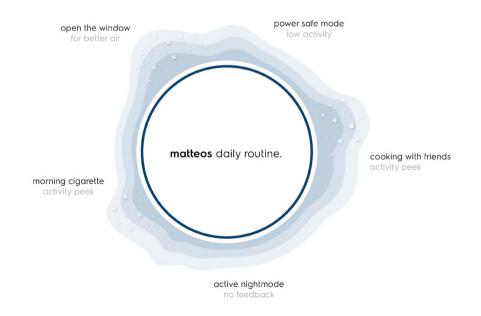
MATTEO - AIR PURIFIER

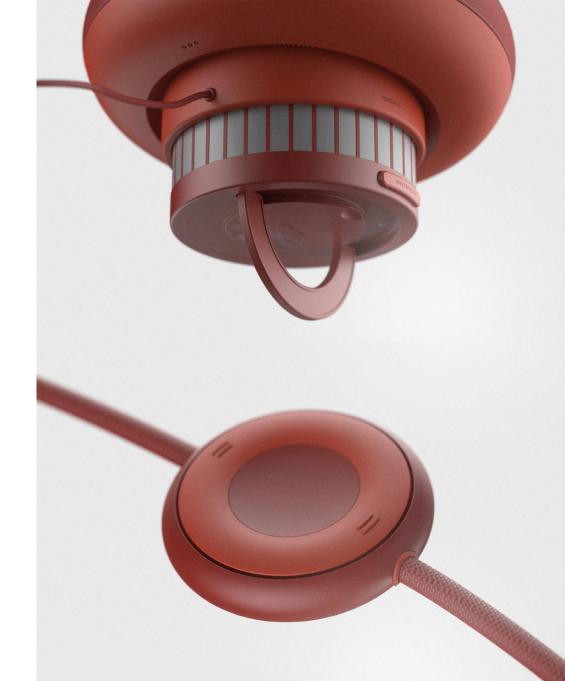
Enhancing indoor wellbeing

Matteo is an intelligent air purifier that enhances the indoor wellbeing and leads towards a cleaner and more healthy lifestyle by adapting it's cleaning cycles to the user's living habits. Addressing users with allergies, the air purifier comes equipped with a secure filter change mechanism that reduces the pollution during this un-comforting process.

Matteo is a smart piece of technology that blends into modern home environments by featuring state of the art CMF and keeping the interaction with the product on a minimal and unobtrusive level.

(designed at Umeå Institute of Design)





CREATING A PRODUCT VISION IN A DESIGN SPRINT





TECHNOLOGY THAT FEELS HOMEY



RELATABLE FEEDBACK Matteo curates access to air data

Having an air purifier in their own home doesn't mean that users want to bother about air quality and always need access to data & progress charts. But if they want access - matteo offers a beautiful and relatable way to experience this information.

Is it even beneficial to open the window?

Electrolux translates all data into a virtual particle stream that animates the air improvement over time or during your daily routine and even makes it possible to compare your air inside with the air quality of your local neighbourhood. This subtle approach to product feedback raises awareness to air quality and pollution beyond the own home.



particle stream based on sensor data & user input

compare indoor air with local outside air quality





KÄRCHER / RE RENTAL ECOSYSTEM FOR OUTDOOR CLEANING

university project at Umeå Institute of Design | solo | 10 weeks | 2020





so does Kärcher!

SHAPING A BRAND VISION product design meets strategic thinking

Kärcher is a global brand and market leader in the segment of outdoor cleaning devices and as many other businesses Kärcher is going to face big challenges in the coming years.

Rapid digitalization, changing customer values and the climate change are going to challenge consumer product companies like Kärcher to switch to more sustainable business models

By combining industrial design with strategic innovation I created an holistic vision for the future of Kärcher, that addresses the needs of the company, the customers and the society.

Kärcher 2030 - rental ecosystem

In 2030 Kärcher will introduce a digital-first rental ecosystem to offer a more convenient way for consumers to access their product range. Instead of buying the high pressure cleaners for a lifetime, users can rent them only for their task. Kärcher and the users will benefit from high product quality and longer lifespans and the company also pivots towards a future-oriented digital infrastructure.

The outdoor cleaning devices of the future get designed for this rental model and offer different levels of customization to always achieve high quality cleaning experiences.

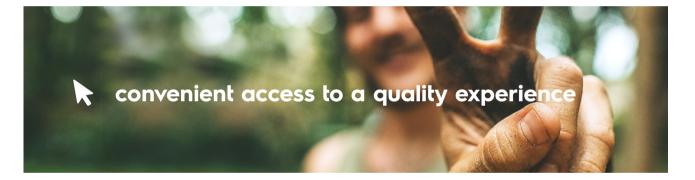
holistic service & infrastructure

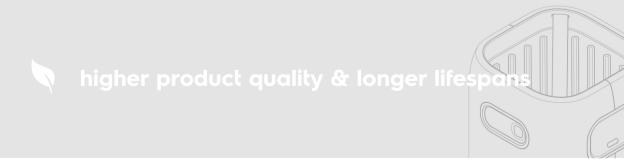
While booking the pressure washers digitally, Kärcher as the cleaning expert guides users within this digital ecosystem to find the best product configuration for their task.

Based on the digital infrastructure Kärcher can establish a strong customer relationship and provides their high quality cleaning products to a worldwide user base on demand

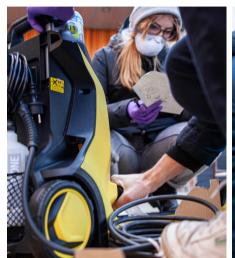
the vision

In 2030 Kärcher introduces a digital-first rental ecosystem!





LEARNING TO CHALLENGE BRAND & PRODUCT













RE / RENTING UNIT

high pressure cleaning module

The centerpiece of this highly customizable renting experience is the Kärcher RE / unit. A high pressure water cleaning module that is designed for this new renting strategy.

With it's compact cubic volume and a robust housing the pressure cleaner is optimized for longevity, logistics and maintenance and works as a versatile high pressure module for a variety of outdoor cleaning tasks.

personalized cleaning solution

Depending on the task users can book the renting unit with adapters, detergents and the complete range of Kärcher accessories. While booking the service, Kärcher supports finding a fitting configuration and provides users with a unit available to book nearby.

product integrated in digital service

The product itself is also connected to the digital experience. Once you logged in to the device the cleaning unit recognizes you, sets your preferences and even guides you during your cleaning task if necessary.



HOLISTIC JOURNEY ON DIGITAL & PHYSICAL TOUCHPOINTS















lockable cable drum



top side storage space

soap tank (refillable)
pressure cable connection

retractable power cord (backside)

lockable wheels



THE CLEANING EXPERT

personalized booking system

Kärcher in it's new role delivers the product solution but also provides the service ecosystem and orchestrates the digital booking experience to customize the outdoor cleaning solution according to the users's needs.



profile

preferences experience budget



hi!

BOOK NOW

repeat

set reminder schedule task RENTING EXPERIENCE AS MORE SUSTAINABLE BUSINESS STRATEGY

Instead of selling high pressure cleaning devices Kärcher rents them out to users and operates a connected fleet of long lasting pressure washers integrated in a digital service-ecosystem.

Digital infrastructure and the physical products and are working seamlessly together to create value for Kärcher and the future customers.





LONG-TERM ECG MONITORING

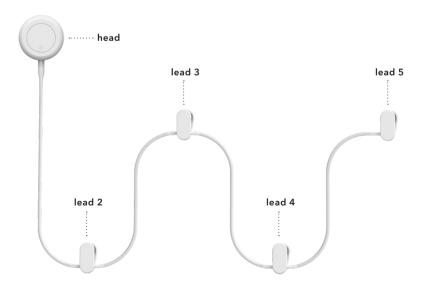
For hospital intensive care units

ECG monitoring is one of the basic vital sign measurements that is carried out in hospital intensive care units. The sensor setup has to stay on the patient's body often for weeks, gets unplugged, cleaned and is part of the daily workflow of all healthcare professionals working in intensive care.

Untangling the current five-cable setup means a lot of effort for the nurses and all the wires also slow down the patient's recovery process by limiting their ability to move freely.

Array reduces the current ECG monitoring setup to an elegant single-line solution that feeds gathered data wirelessly into the current monitoring system. It is designed to fit the workflow of health care professionals and could be implemented in the current practice of intensive care medicine.

(designed at Umeå Institute of Design)





EXPERT COLLABORATION

Design in dialouge with experts



Experts from Umeå hospital

We worked in constant dialogue with healthcare professionals to learn about the critical care environment and to find out challenges for staff and patients.

user-centric research

generating insight



Med-tec expertise from Getinge

Engineers, user researchers & designers from our collaboration partner Getinge helped us with their year-long expertise in development of med-tech solutions.

CLAMP TO ATTACH! YOU CAN'T APPLY ANY PRESCURE TO THE PATIENTS SKIN

DURING NIGHTS IN THE ICU ITS HARD TO SEE THE DIFFERENT COLOURS OF THE LEADS!

THEY APPLY THE LEADS UNDER THE BLANKET JUST "FEELING" THE ELECTROPE POSITION.

THE SENSORS SHOULD NOT HAVE A LOT OF CONTACT WITH PATIENT SKIN OR STICK OUT.

NURSES HAVE A LIST OF DAILY ROUTINES, CHARGIN COULD BE IMPLEMENTED EASILY!

(ABLES SHOULD BE NICELY ARRANGED TO THE BODY (NOT MESSY)

THE DEVICE, CASIES ETC. NEED TO BE DESINFECTED DAILY, HYGIENE IS AN ISSUE DURING PRONING WE JUST HANG THEM QUICKLY ON THE BED MOVEMENT: CLAMP GOES OF BY MISTAKE MOST COMMON SENSOR FAILURE

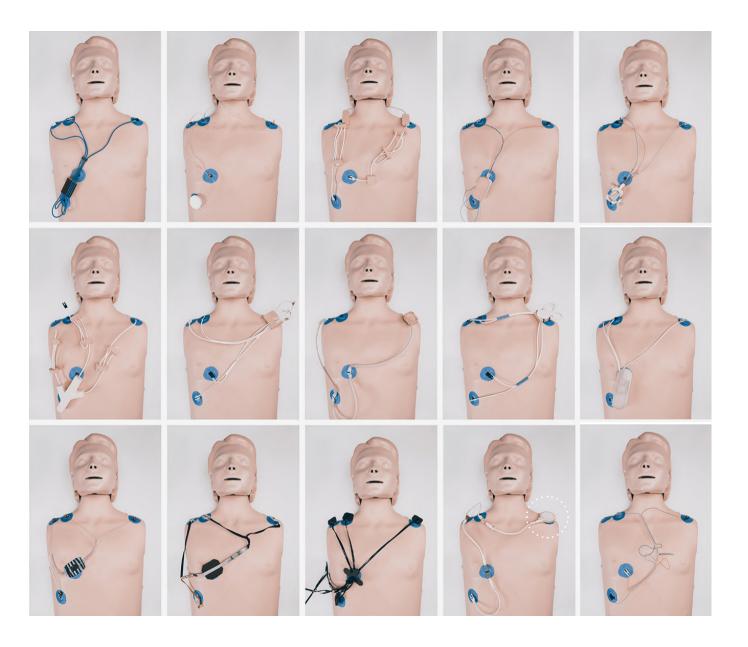
AS LESS CABLES AS
POSSIBLE IS EXACTLY
WHAT WE WANT.

(ICH DOCTOR)

ALL INTERACTIONS SHOULD HAPPEN IN THE SHOULDER AREA (ACCESSIBILITY) THERE IS AN ORDER HOW TO PLACE THE LEADS, THE DEVICE COULD SUPPORT THEM

SKETCHING, PROTOTYPING, TESTING & EXPERT USER VALIDATION



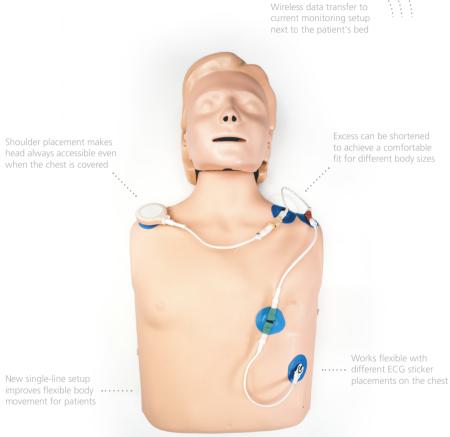


handling	cleanability	comfort	architecture
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Prototype evaluation matrix

During the project we built a wide range of prototype iterations and rated them based on four key attributes: Product architecture, comfort, cleanability and handling. This way we were able to get from a large pool of promising ideas to one final concept direction.





OUR CONCEPT / SINGLE-LINE SENSOR



WIRELESS ECG MONITORING

improves workflow & treatment

The Array is an ECG monitoring setup of a new generation. It helps to streamline the workflow of healthcare workers as they spend less time untangling cables and offers more comfort and better flexibility in movement for patients in order to speed up their recovery process.

This wireless sensor kit offers a feasible vision for the future of vital sign monitoring and improves the situation for all stakeholders in this very critical environment of intensive care units, where small details can make the difference.



storage dock

For charging & battery storage flexible mounting solution for different intensive care setups.

ECG sensor array

Five-lead monitoring sensor for long-term ECG monitoring in intensive care treatment.

wireless receiver

Enables wireless data transfer plugged into excisting patient monitor next to the bed.



The kit consists of three products that work together as a connected wireless ECG monitoring solution.

ATTACHEMENT & FIT BASED ON RESEARCH INSIGHTS













https://vimeo.com/502561900





reddot award 2021 winner









AEON TELESCOPE

Augmented stargazing for beginners

Entry-level telescopes on the market do hardly address the needs and expectations of amateurs.

So the goal for my thesis project was to make astronomy accessible for everyone by designing an entry-level telescope that offers a well rounded product experience and combines modern technology with user-focused design.

Solution: Aeon

Aeon is a smart entry-level telescope which is used in combination with a connected device. It helps beginners to get started in the field of astronomy. The user can observe on his tablet what the telescope is pointed at and also learns additional information about specific targets. Aeon combines the original experience in the nature with all the benefits an app can offer.

(thesis at Hochschule Coburg in 2016)

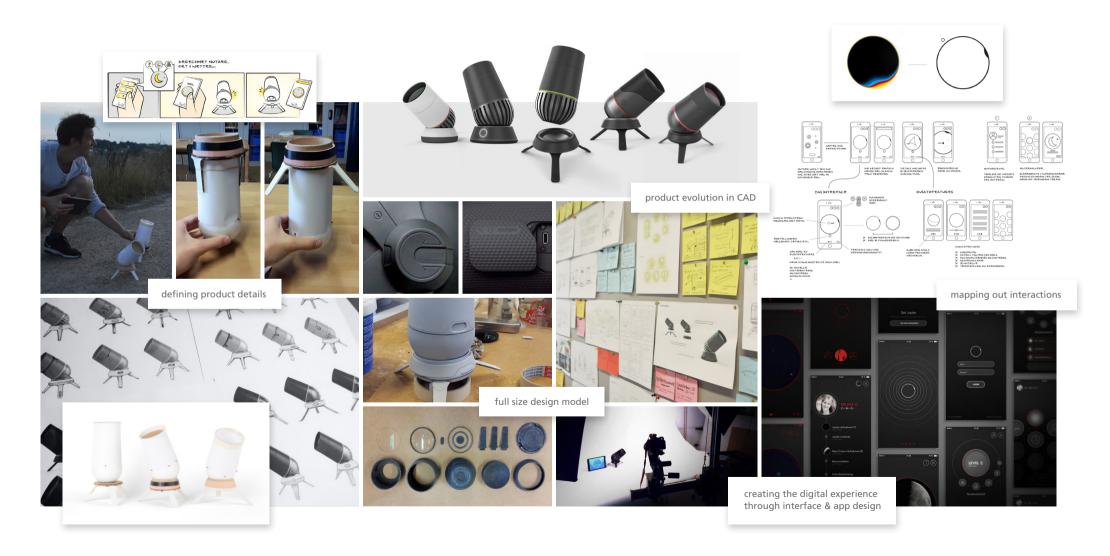






CREATING AN HOLISTIC STARGAZING EXPERIENCE

digital & physical aspects designed to work together



CONNECT YOUR INTERFACE

learn more about your observations

Observing the stars without any knowledge is possible with the Aeon telescope. It scans the observing conditions (time, location, weather and profile information of the connected users) and offers a collection of attractive objects for users to explore in the night sky.

As soon as the object is in range users can learn more about their observation with additional information, pictures and facts about the object provided in the observation interface.

The interface is designed to have only minimal effect on retinal adaptation of the eye, using dark and red colours. So users can observe the stars without being blinded by their devices.



the augmented observation interface

Users can observe on their devices what the telescope is looking at. Watching this interface and the matching feedback ring on the telescope it's easy to navigate your way to the chosen target in the night sky.



ULTRA COMPACT TELESCOPE

The compact telescope consists of two parts, the tubus which includes optics, technical parts and a camera and the base, which provides a stable mount during observation. While not in use both parts can be locked together, so that the optics are covered during transport.

The physical and digital product experience are designed to fascinate beginners for this hobby and help to enjoy special moments while observing the night sky without having any previous knowledge about astronomy.

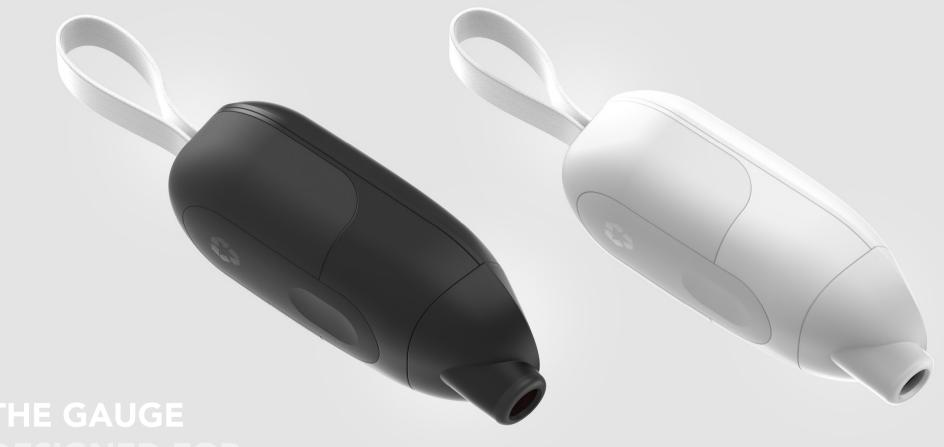
LENS 70 x 10 (diameter x enlargement) (Small enlargement / large field of view)

Optic based on astro binoculars.

The telescope combines low power optics that are easy to handle for beginners and high quality images from the observation database for an augmented experience.







DESIGNED FOR REFURBISHMENT

university project at Umeå Institute of Design | solo | 4 weeks | 202

New products - have to be better than this!



LONG-LASTING DESIGN

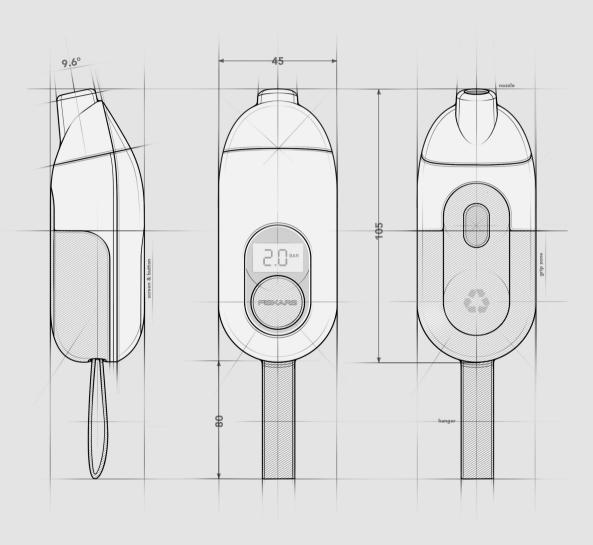
designed for multiple lifecycles

Gauge is a simple pressure measuring device designed with a focus on refurbishment. It is the outcome of a university exercise around parametric modelling, sustainable design for manufacturing & brand language. Designed for the brand Fiskars it can be a great addition for every household's toolbox.

"Redesign the tire pressure gauge, from the inside out, considering brand design language, manufacturing, assembly and potential second life cycles."

(four-week exercise briefing)

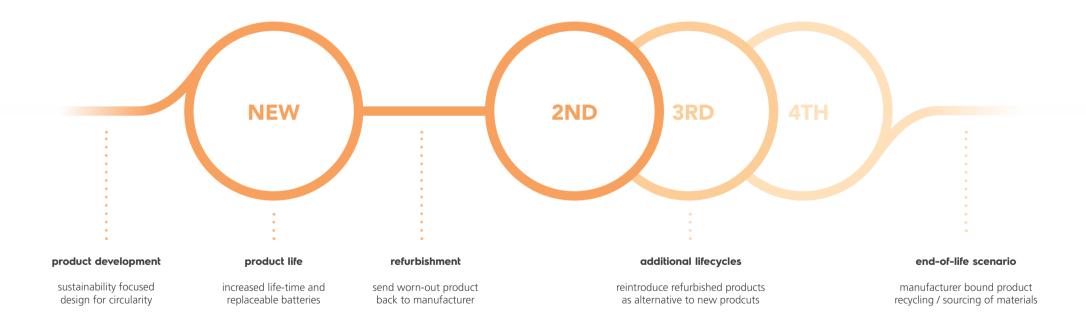




REDUCING THE FOOTPRINT

circularity increases product lifetime

The manufacturer takes full responsibility for the footprint of this product by providing a long-lasting design, take-back infrastructure and refurbishment services that are necessary to enable circular product lifecycles.



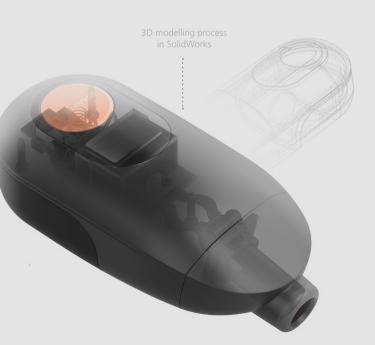
FROM THE INSIDE OUT

designed for refurbishment

Designing this product from the inside out with manufacturing in mind shifted the priorities and my thinking during this project.

A great challenge was to accomplish compelling aestethics while solving issues like, where to split the parts, how does everything come together and in what order? How to change the batteries and how could it be disassembled?

Working within this boundaries & approaching a project with multiple lifecycles in mind was a great learning experience that definetly has an affect on my future professional practice.































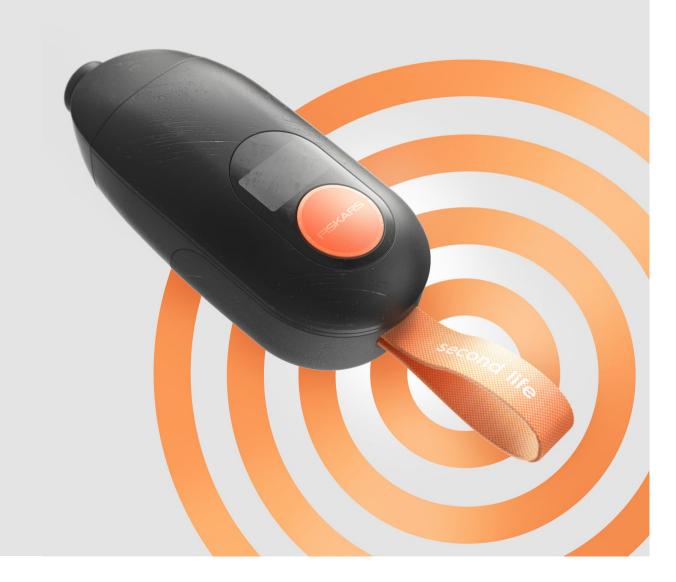


DFM IN UNIVERSITY CONTEXT

- Reduced amount of housing parts can be disassembled with as little screws as possible.
- Possibility to access and exchange coin cell batteries for end-users in a convenient way.
- Improving the recycling potential of housing by not using glue or co-moulding technology.
- Introducing durable post-consumer recycled plastic instead of using virgin plastic material.
- Showcasing expanded product life through custom hanger with each refurbishment cycle.

IF PEOPLE WOULD HAVE THE CHOICE WOULD THEY BUY USED PRODUCTS?

Imagine a future, where using a product in it's second life cycle would even be more valuable to us, than buying a product in mint condition



PROFESSIONAL PROJECTS CREATED DURING MY TIME AT YELLOW DESIGN











YOUR FAVORITE WORKSPACE

HAS A MESSY SIDE

CAVOLINE CABLEBOX

Cable management for Durable

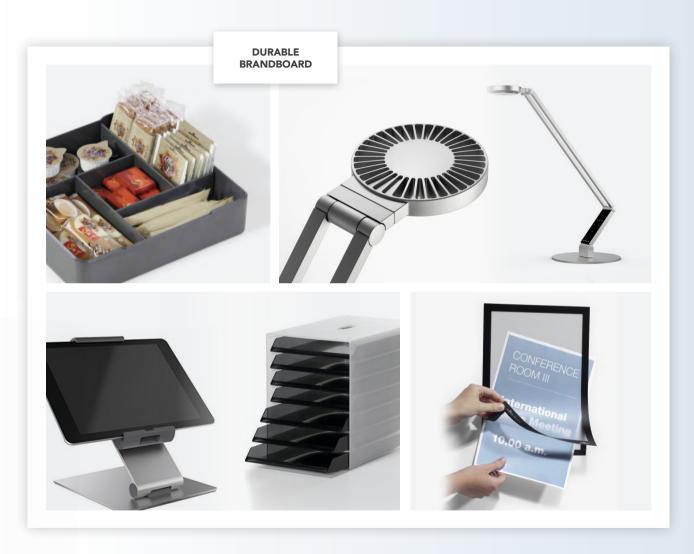
While working at yellow design I was in charge of designing a cable management box for the German office equipment brand Durable.

This product should offer a high quality solution for storage and management of cables at office desks and at home. Accessibility, child and fire safety as well as brand fit were important topics during this end-to-end design process.

To "rethink the box" during this project was especially challenging, as we had to work with many of constraints regarding production and the challenging mission to translate the brand into a product that fits both office and home.

(designed at yellow design in 2018)





Our mission was to translate the work-centered "brand heritage" into a product that fits both office & home.

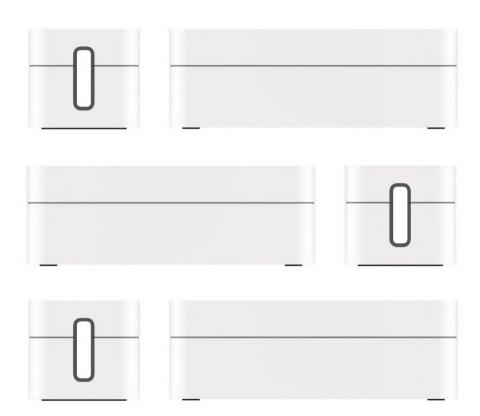
THE IDEATION PROCESS MAPPED OUT



designer in charge

For me this project was a great learning experience as it was the first project where I was the designer in charge from the first pen stroke until the finished product on the shelves. This role helped me learn the about the pitfalls & compromises designers have to consider while helping to bring a product to the market.

Of course this project was a team effort and involved a lot of people both internally and from the client side.



CABLE STORAGE INSPIRED BY ARCHITECTURE





KEYROAD CREATIVE SCHOOL PRODUCTS FOR CHILDREN

professional project at yellow design | client: JohnShen | year: 2019 team of 3 - role: designer in charge | duration 8 months



KEYROAD CREATIVE LINE

Creative school products for children

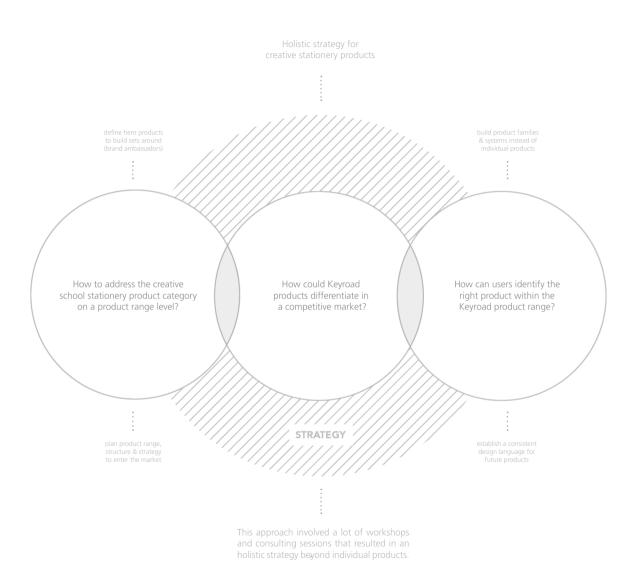
For the Chinese kids stationery brand Keyroad we developed a brand strategy / design language and a fitting series of creative school products.

As this was our first project for this client the initial challenge was to create a vision of future products together. Therefore we started by defining a novel design language which should be applied to all the products from their diverse product range.

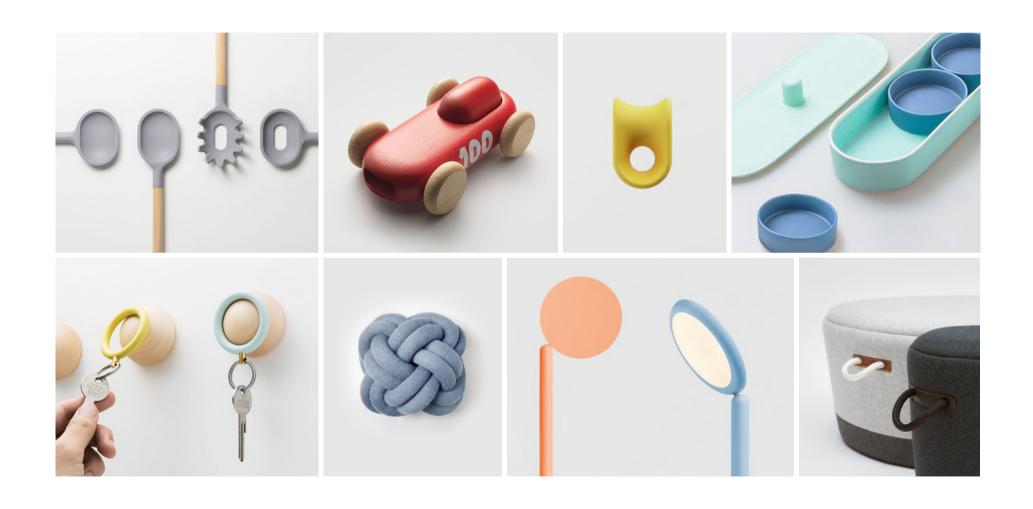
Together with our client we defined what Keyroad stands for compared to the competition, how they should set up their new product range and how the next generation of products should look like.

(project at yellow design in 2018)





COMMUNICATING A NEW DESIGN LANGUAGE



SIX NEW PRODUCTS PLUS FITTING ACCESSORIES FOR KEYROAD CREATIVE.

After defining the formal vision for future Keyroad products and the strategy how to set up the new creative category, we designed the first six new hero products plus fitting accessory products.



KEYROAD CREATIVE

Creative school equipment for kids

Within one year we designed a range of products based on this new Keyroad brand design language. Next to the child-friendly functionality we made all products recognizable for their form language to fit with our vision for the Keyroad brand.

During this project I was in charge of the design for several tape dispensers, watercolour boxes, compasses, containers for finger and poster paint, water trays and other fitting accessories.





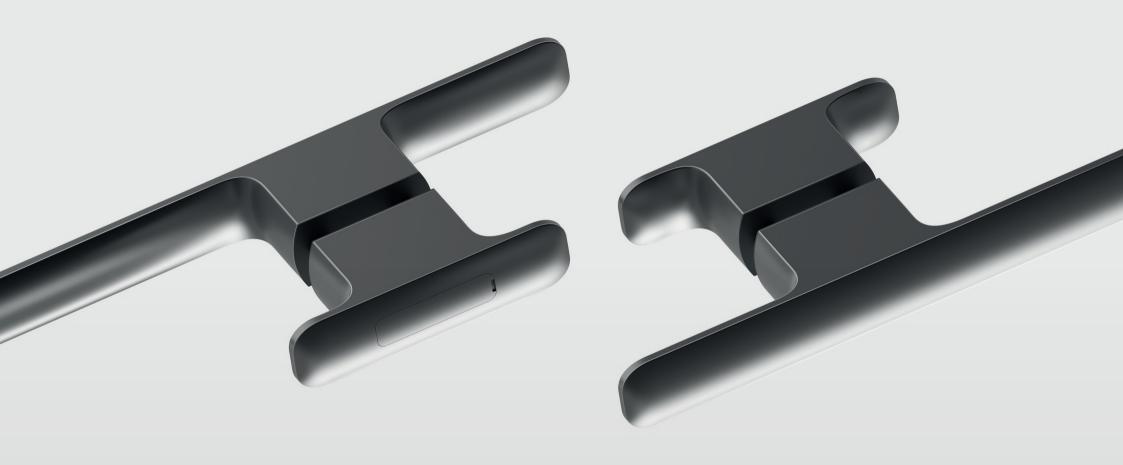
stackable colour pots child-friendly handling



WATERCOLOUR BOX

colour mixing tray removable colour tray bottom storage tray





DT/QT SHOWER DOOR HANDLES

professional project at yellow design | client: Blue Sanitary Ware | duration 1.5 weeks | role: 3D visualization | year: 2018

PRODUCT VISUALISATION

Award-winning shower handle series

While working at yellow design I had the pleasure to visualize the DT/QT shower handle series for the Chinese sanitary brand Blue Sanitary Ware.

The visualizations aimed on highlighting the design quality and aesthetics of the handle series in order to establish Blue Sanitary Ware as a design-driven brand in the European sanitary market.

(designed at yellow design in 2018)

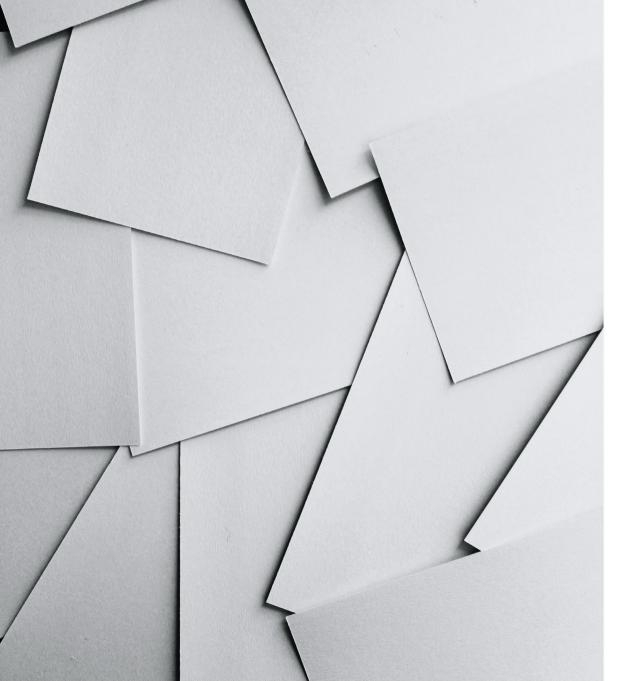






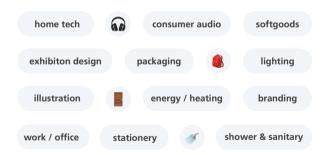






work I can't show!

Next to the projects in this portfolio I also worked on a great number of products & projects I unfortunately won't be able to show. Over the years I experienced working in a variety of design fields and for a diverse range of industries such as:



Let's talk!

mail@mariuskindler.com