



**PRODUCT DESIGN 2017**  
UNIVERSITY OF WEST OF ENGLAND



# **UWE BRISTOL PRODUCT DESIGN**

GRADUATION CATALOGUE 2017

# WELCOME

Welcome to this celebration of the achievements of the UWE Bristol Product Design graduates of 2017.

Their fantastic projects showcase how design can be used to solve real problems in the real world and demonstrate excellence in research, styling, technology and human-centred design.

This year, UWE Bristol Product Design has built even greater connections with industry, with highly successful live projects throughout all year groups and the creation of DesignWest. DesignWest is our own in-house consultancy that formally launches at the Degree Show. The consultancy allows us to involve students directly in commercial projects, giving them real industry experience.

We celebrate that our graduates are amongst the most employable in the country, with UWE Bristol Product Design having one of the highest percentage of students who go on to work and/or study six months after finishing the course.

We thank all of the students and staff for their passion, dedication and hard work.

Congratulations to our graduating students, we hope you enjoy their work.



# CREATIVE PRODUCT DESIGN BSC (HONS)

Creative Product Design graduates are highly skilled creative problem solvers with an empathetic understanding of people.

Creative Product Design instils graduates with the confidence and ability to take risks, challenge conventional thinking and design products, services and user experiences which surprise and delight.

At the heart of Creative Product Design is studio-based teaching, consisting of small friendly student groups and close contact to tutors, who all have expert experience working as professional designers. Through real world design projects, students develop an empathetic, intuitive understanding of people, tactile ergonomics, creativity and materials, as well as advanced skills in concept sketching and semantic form, model making and CAD.

Graduates of Creative Product Design have strong transferable skills, allowing them to have successful careers in Product Design and across the creative industries, including; service design, graphic design, user experience design, brand consultancy, retail design, design research, marketing and packaging design. The diversity of skills and experience gained make them highly employable by industry as designers and set to succeed in their own business ventures.

Creative Product Design is accredited by the Institute of Engineering Designers.



# PRODUCT DESIGN TECHNOLOGY BSC (HONS)

Product Design Technology graduates use both technical and creative skills to turn their concepts into innovative products.

Our Product Design Technology degree combines Product Design and Design Engineering. The blend of creativity and practicality developed on this course gives graduates the rare and highly valued skills to create original and exciting concepts and to transform them in to real, working, commercially viable products.

Product Design Technology projects all start with real world problems, understanding people and their needs. Innovative solutions are developed through concept sketching, making working prototypes, engineering analysis, CAD, design for manufacture and beyond.

Graduates of UWE Bristol Product Design are confident communicators and innovative designers, who are able to use their understanding of technology, sustainability, and materials to solve human-centred design problems. The breadth and depth of this course gives them the tools to succeed in industry or their own business venture.

Product Design Technology is accredited by the Institute of Engineering Designers.





# CREATIVE PRODUCT DESIGN

Nicole Askwith-Williams

Luke Barton

Kelly Carpenter

Molly Crofts

Francesca Fish

Curtis Hao Chit Fu

Anthony Gabb

Oliver Honess

Justin Ireland

Edward Lee

Oliver Lunt

Dylan Matthews

Morgan Paley

Eleanor Reid

Jenna Schuetzle

Thomas Tickner

Joseph Weaver

Emma Williams

Derek Wong



## NICOLE ASKWITH WILLIAMS LINK UP

Creative Product Design

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🛠 Vax Ltd.

Link Up and Learn is an inclusive educational tool for children with and without autism, providing a bridge to tackle segregation in primary school classrooms and emotional development, by using light up stacking blocks and an emotion tracking app.







## LUKE BARTON

Creative Product Design

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🧰 Bower Ashton Fabrication

## POLAR OPPOSITES

A unique two part snowboard binding system. Designed to unlock the next chapter in the snowboarders' trick book.









## KELLY CARPENTER

Creative Product Design

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📁 Arno GB

## SPHERA

Sphera is the new innovative way to serve cocktails that encourages the guest to interact with their drink. It aims to take the stress off bartenders by creating a fun experiment for guests to create their own cocktail caviar using flavours that complement their drink.









## MOLLY CROFTS

Creative Product Design

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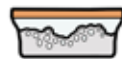
🌐 [www.linkedin.com/in/mollycrofts/](http://www.linkedin.com/in/mollycrofts/)

👛 Kinneir Dufort

## GYRE

Gyre is a luxurious sustainable lunchbox with a “furoshiki” style wrap that envelops all your lunching items together. Due to the increased problem of Marine Debris, Gyre is designed to challenge perceptions of reusing by offering an elegant dining experience and preventing consumption of single use packaging.





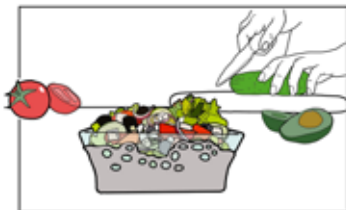
Eat it.



Wrap it.



Carry it.



"I'll take my foil and an apple too".



"Oh no! I'm running late and haven't made any lunch".



"I'll take my lunchbox and buy something there".



"Your food looks so delicious".



"I'll put it in my bag and we can go".



"Can I have it in my lunchbox please?"

"Of course".





# FRANCESCA FISH

## Creative Product Design

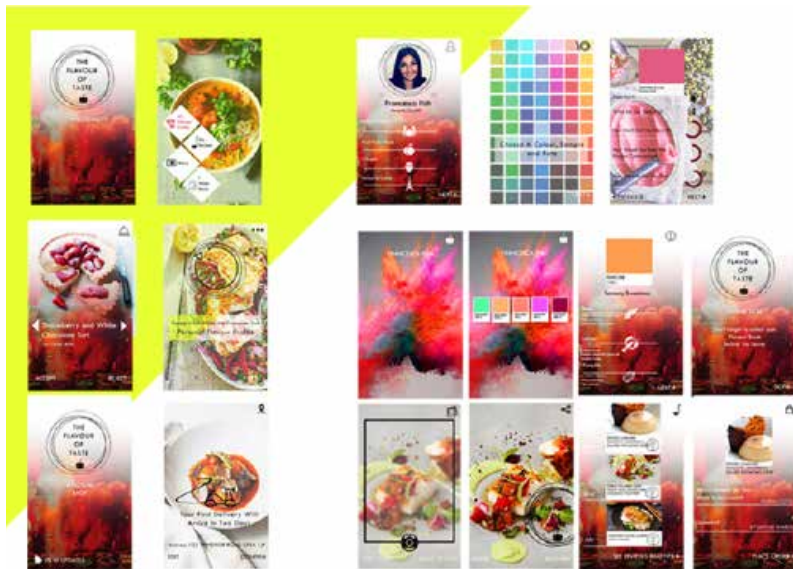
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## THE FLAVOUR OF TASTE

A two part service that reignites a passion for food and cooking using colour to illustrate different flavours. The exciting event and app allows the discovery of your own tastes and flavours that you're more susceptible to, while the personalised recipe cards and 'hero ingredients' offer convenience, enjoyment and flavour.









# CURTIS HAO CHIT FU

## Creative Product Design

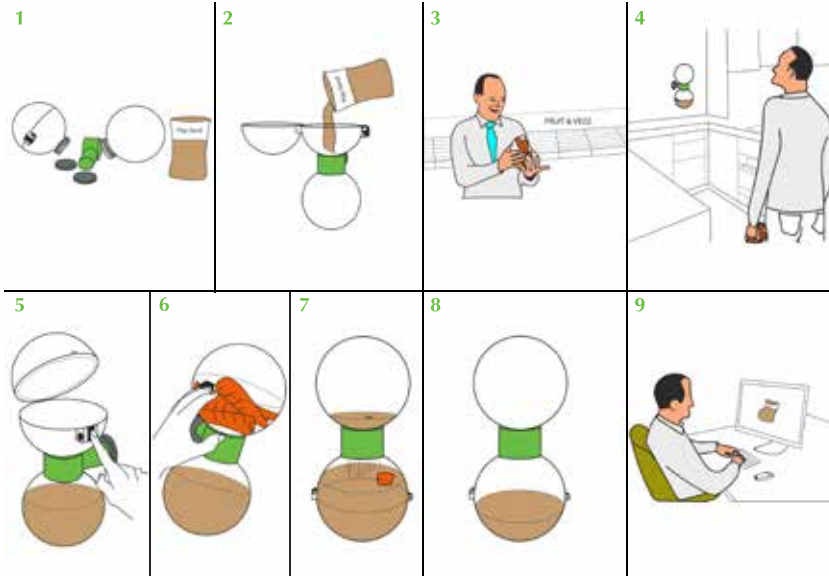
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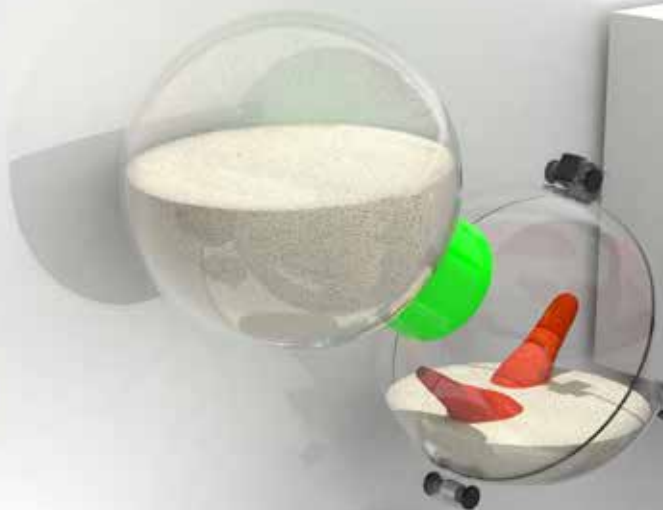
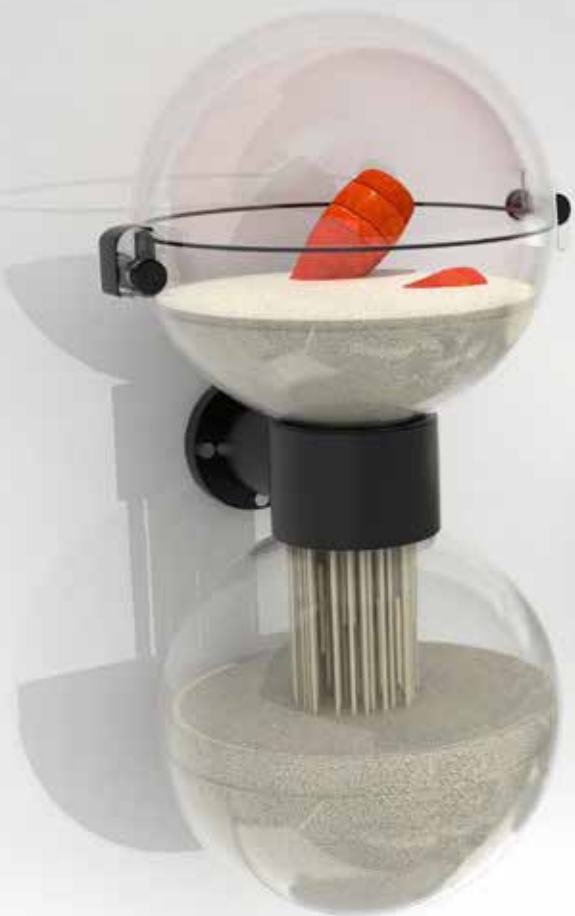
## ROOTS

An hourglass inspired root vegetables container which encourages end users to utilise their root vegetables to the full extent.



# roots

the natural fridge





## ANTHONY GABB

### Creative Product Design

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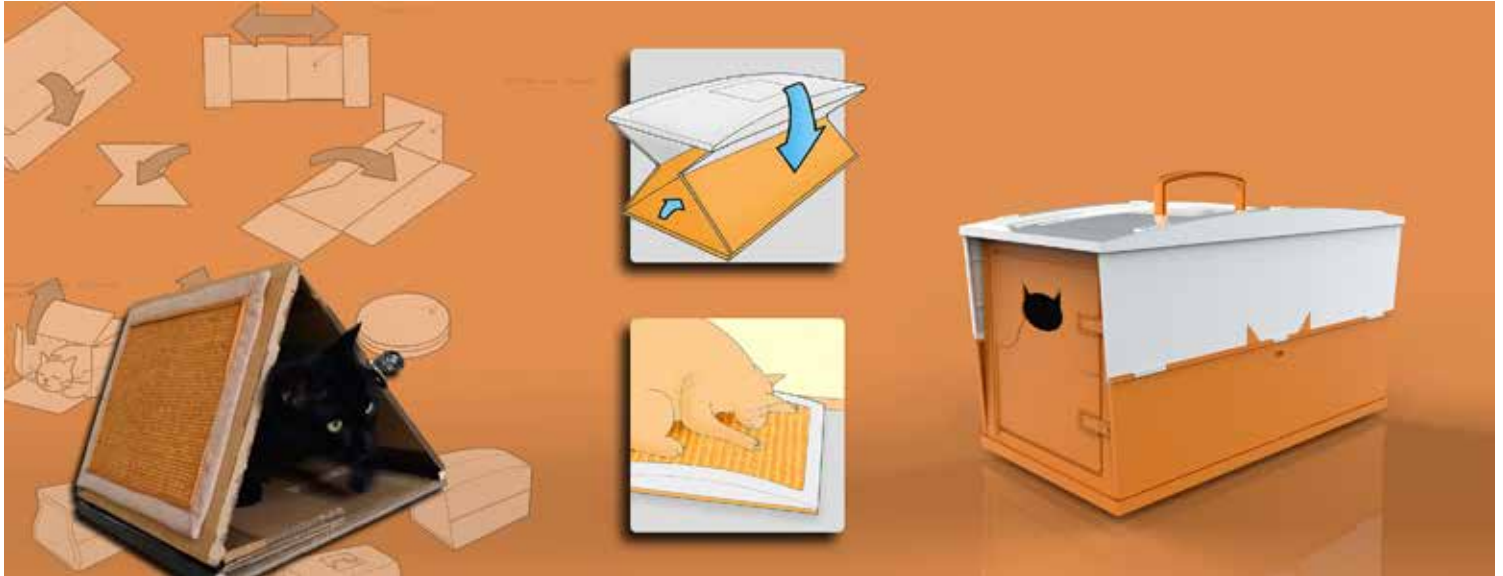
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🧳 Omlet Ltd.

## PAW-PAD

A folding cat carrier that has been designed to act as both a safe transport vessel for your cat, and a stylish play area setup for inside the home. It has a removable scratch mat that sits on the top surface, to act as an effective de-stress toy/boredom breaker.









## OLY HONESS

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## HEYRA.

Ear plugs with a modern twist that engage 16-30 year olds with the importance of hearing protection at music events. The Heyra ear plugs connect to your phone allowing you to hear calls and know the amount of potentially damaging decibels you are taking in. Heyra is hear to help prolong hearing.







## JUSTIN IRELAND

Creative Product Design

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🛒 Graphic Packaging International

## TINY TEACHERS

An educational plush toy that also acts as a transitional object for children aged 0-3, providing benefit up to the age of 5. With app connectivity, fresh content is available to your child which can also be tailored to their preferences and routine, while acting as a parental aid, giving benefits to both parent and child.





From baby... ...to preschool

Tiny Teachers is with you







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## OLIVER

Oliver is a completely unique gardening tool-kit for the younger market, providing an outdoor experience blending nature and music. With its sculptural shape and large functional space inside, Oliver is a new perception of what a gardening tool-kit should be.





oliver  
your gardening companion





## OLIVER LUNT

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## RECALL

RECALL is a personal smart shelf, designed to be a physical interface for all your digital memories. It connects all your photographs and friends from across your social media platforms to create a digital map of memories, each connected to a physical object.









## MORGAN PALEY

Creative Product Design

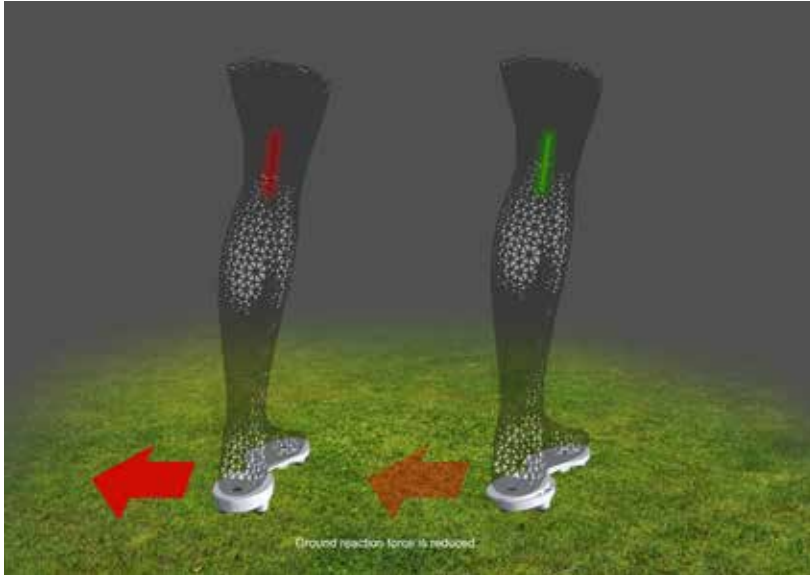
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## TORSOLE

Torsole aims to reduce the risk of ACL injuries in sports that require the use of cleated boots. The technology consists of a mechanical system created in the midsole. Two compression springs placed in the heel section absorb the ground reaction force ultimately reducing the stress on the ACL.







## ELEANOR REID

### Creative Product Design

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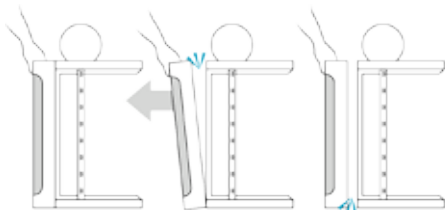
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Kinneir Dufort

## THE FIT COLLECTIVE

A radical new range of fitness home furnishings for the millennial market, designed to encourage higher levels of physical activity by fitting into your home seamlessly as a dual-use product. The first collection includes a medicine ball speaker and a side table that transforms into a fitness step.



A modern, minimalist interior scene featuring a grey fabric sofa with a red patterned pillow. To the right is a black side table with a spherical object on top. The text "THE FIT COLLECTIVE" is centered in a white box over the sofa.

THE FIT COLLECTIVE



# JENNA SCHUETZLE

## Creative Product Design

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🧰 Aegg Creative Packaging Ltd

## EMPLOYME

Leap introduces you to EMPLOYME the new interactive learning material which aims to help those with autism successfully prepare to navigate the interview process to gain employment.









# THOMAS TICKNER

## Creative Product Design



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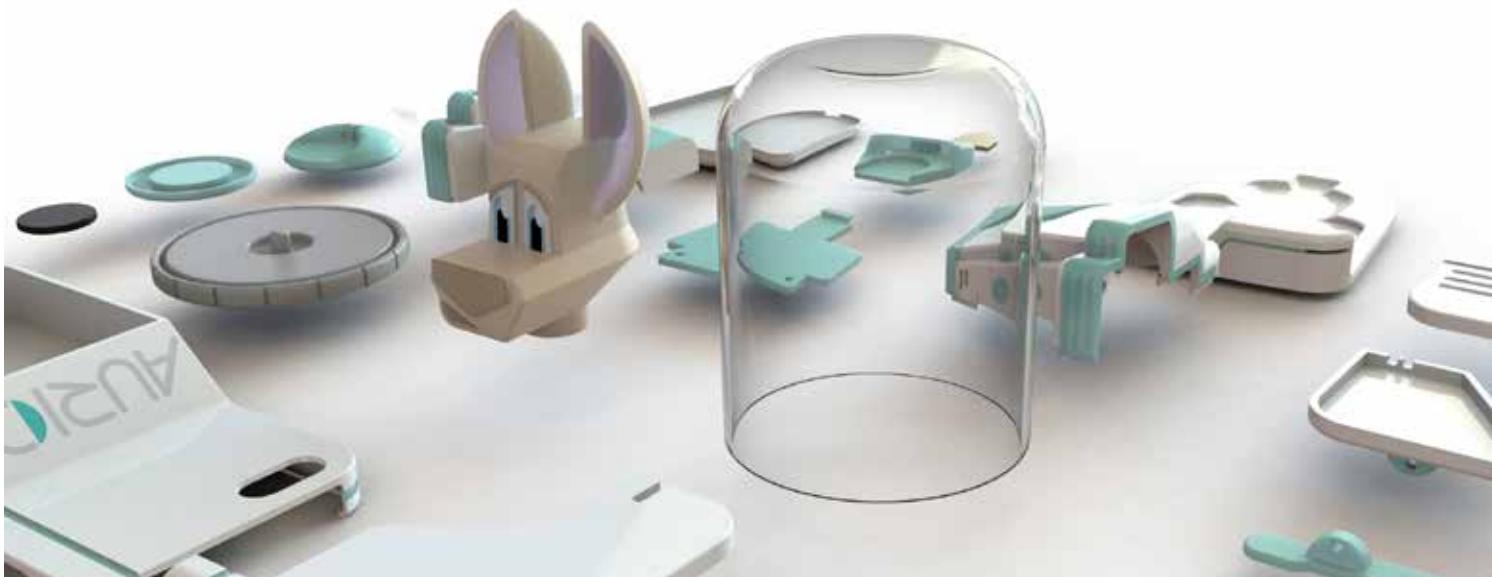
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Bluw Ltd.

## AURIO

A friendly companion aimed at young recipients of cochlear implants, his aim is to tackle the stigma that faces children with hearing disabilities and aid them in developing their speech and auditory skills.









## JOSEPH WEAVER

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🧰 Omlet Ltd

## ART POD

Art Pod is a modular system designed for optimum efficiency. The artist's kit is divided into three interlocking boxes, which are mounted to the chassis to get from A to B in one smooth journey. The chassis then converts into a portable studio through a unique linkage mechanism.







## EMMA WILLIAMS

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## PAWS & CLAWS

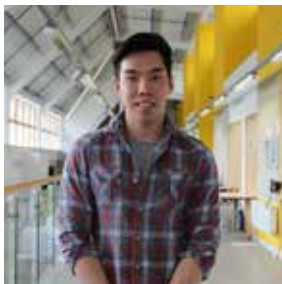
A National Curriculum based product and app service that includes elements of kinaesthetic, auditory and visual learning which support the learning styles of all children. The product uses fine motor skills to build on structures, while the app works in conjunction to promote a 'healthy' use of technology.











## DEREK WONG

### Creative Product Design

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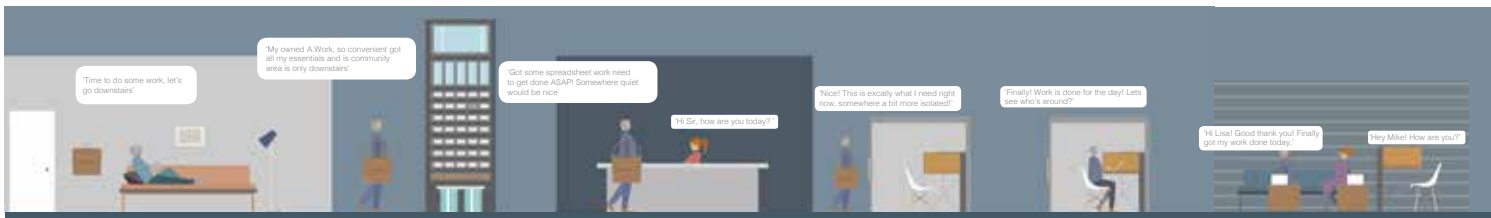
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👛 Kitchen Architecture Ltd

## A.WORK

A.Work is a fully portable workstation that is designed for individuals who work from home. With an ability to transform into different work modes according to the user needs. A.Work also provides you with a shared community workspace right by your doorstep.





**PRODUCT DESIGN TECHNOLOGY**

MARK ABESAMIS  
JACK ARROWSMITH  
THOMAS BEDFORD  
WILLEM BOSHOF  
AIDAN BOSTOCK  
DANIEL BROAD  
BENJAMIN BROWN  
CALVIN CHEUNG  
NATHANIEL CROSBY  
ELEANOR DULEY  
CHARLIE EVANS  
BENJAMIN HASKELL  
BEN IRONS

JACK LYNTON-JENKINS  
TOBY MOORE  
BRADLEY NEWTON  
DANIEL ROWLANDS  
THOMAS SALISBURY  
ROB SISSONS  
MICHAEL SOPER  
LIAM SPEAR  
LEWIS THOMPSON  
EDWIN VAN DER BERG  
MICHAEL WHITE  
PATRICK WILLIAMS  
JAMES WINTERS



## MARK ABESAMIS

Product Design Technology

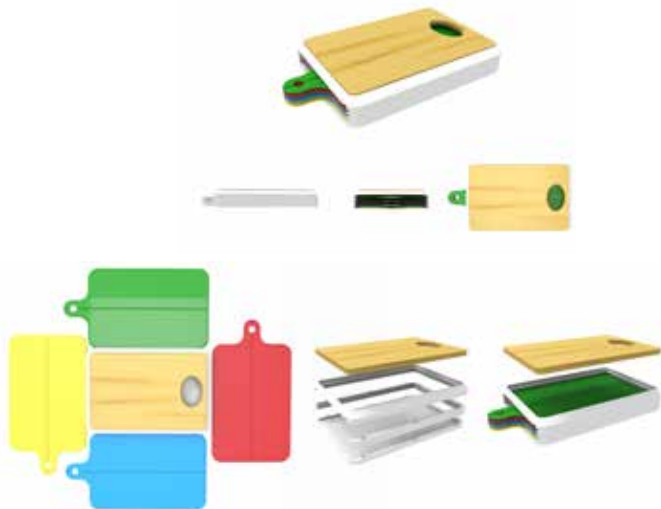
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## CHOP TOP

According to research a chopping-board harbours 200% more bacteria than a toilet seat. This chopping board was designed to tackle space problems and at the same time tackle food contamination/food poisoning by making the chopping board easy to clean and maintain.









## JACK ARROWSMITH

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## NATASHA

A technology assisted social hub that aims to make mobile devices less prevalent during socialising in order to allow face to face conversations to flourish. Natasha allows users to share the socially beneficial aspects of their mobile devices with the group, so they aren't keeping to themselves and being anti-social.







## THOMAS BEDFORD

Product Design Technology



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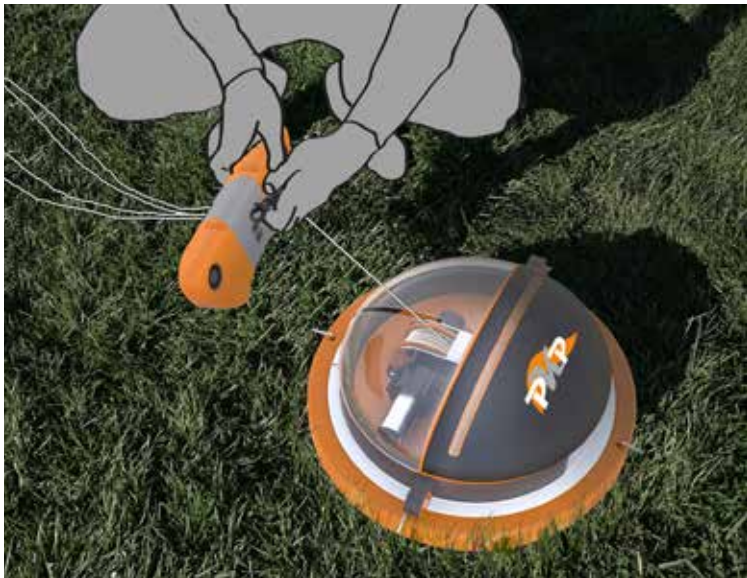
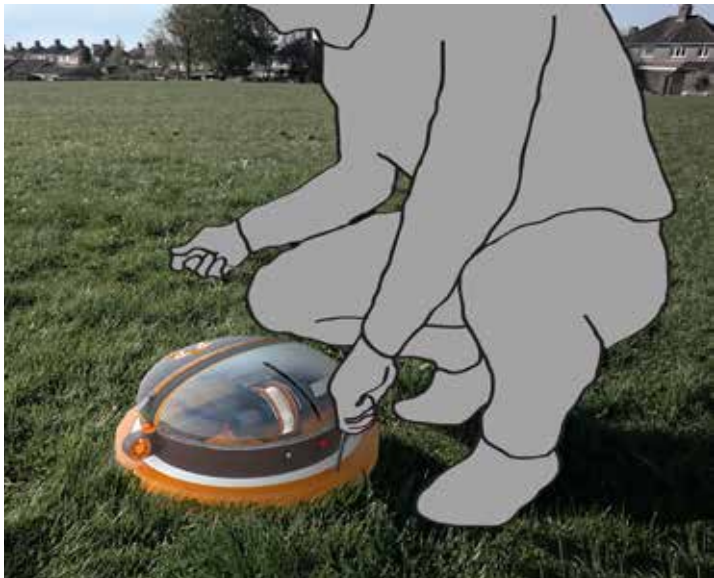
[www.linkedin.com/in/t-bedford/](http://www.linkedin.com/in/t-bedford/)



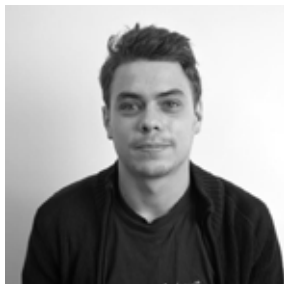
Arno Gb

## PORTABLE KITE POWER

The Portable Kite Power (PKP) unit is an experimental USB charging device, designed for people who live, work and visit remote, off-grid locations in a semi-permanent arrangement, requiring access to significant amounts of energy. PKP can produce more power than existing sustainable device chargers.







## WILLEM BSHOFF

Product Design Technology

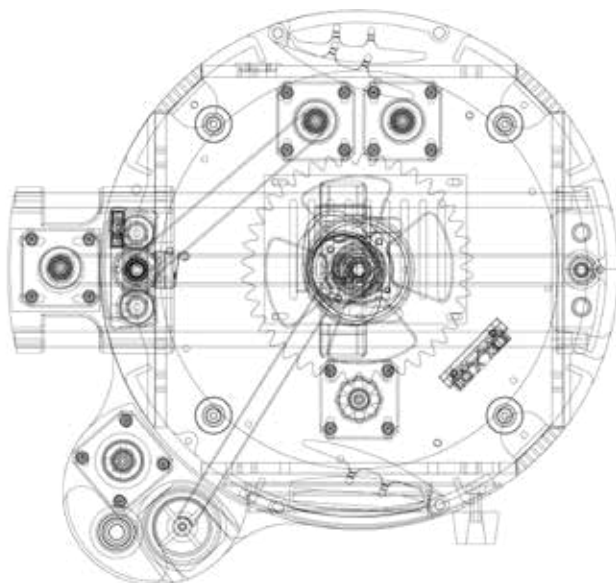
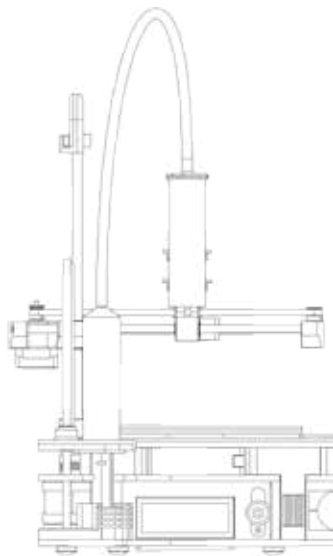
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## CIRCA POLAR 3D PRINTER

A new and innovative 3D printer aimed at artists, designers and makers. It which combines rotational and linear moment and offers the use of multiple materials and media to produce 2D and 3D designs and artwork.











## AIDAN BOSTOCK

### Product Design Technology

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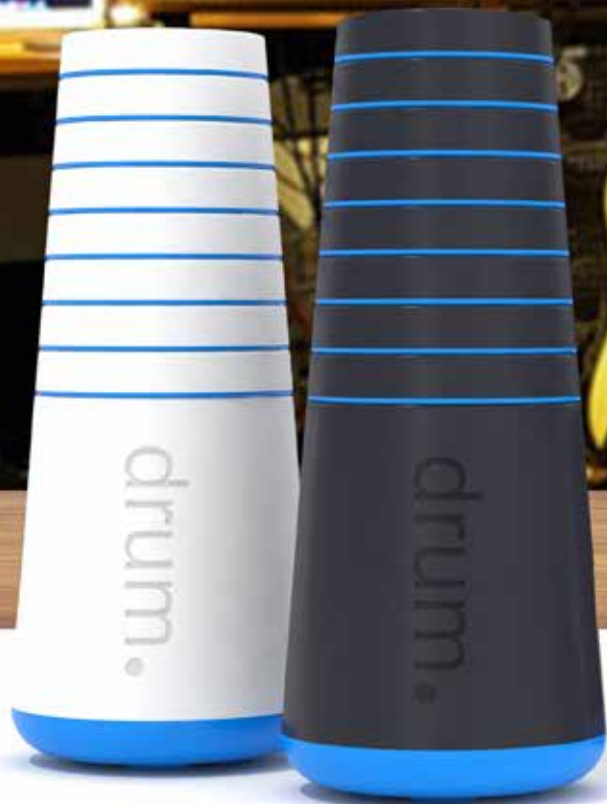
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🌐 [www.coroflot.com/aidanbostock](http://www.coroflot.com/aidanbostock)

## DRUM

Attach the sensors to any surface and follow a wide range of video tutorials, receiving feedback on every aspect of your learning as well as suggesting beneficial rudiments and lessons in new musical styles. Compete in the local league tables and see your ability and repertoire improve exponentially.







## DANIEL BROAD

Product Design Technology

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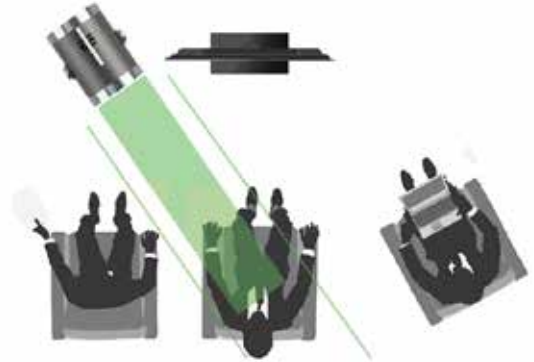
Dan@thebroads.org

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Fabrication Centre, UWE Bower Ashton

## SONORA DIRECTIONAL SPEAKER

Sonora is a directional speaker that acts like a spotlight of sound, putting it only where you want it. It uses 37 ultrasonic transducers in a parametric array to create a beam-like wavelength, limiting sound bleed.









## BEN BROWN

Product Design Technology

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## MUSIQUE BOX

Musique box aims to make small events more efficient and affordable for small venue owners and events companies alike.









## CALVIN CHEUNG

Product Design Technology

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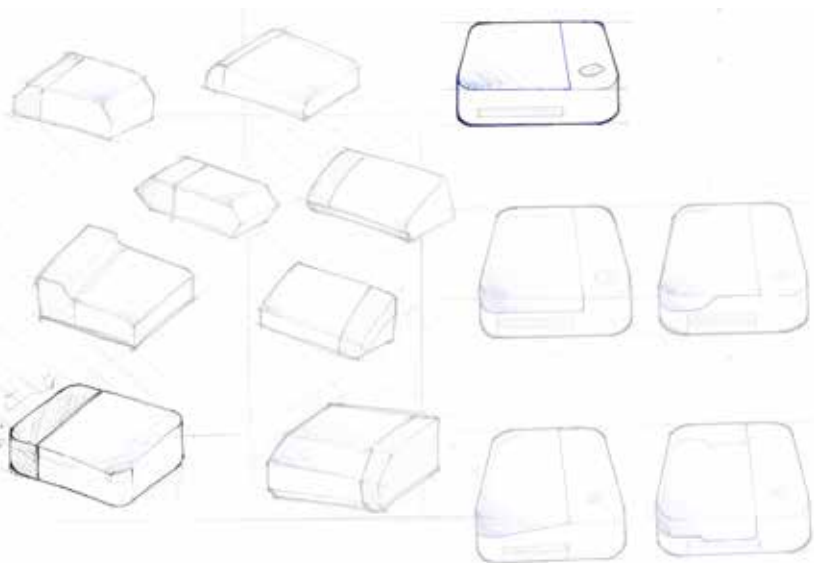
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🧰 Mind Sketch Ltd

## BRINT

Brint will empower many more people to become proficient in braille. The goal is always to enable visually impaired people to gain independence, Brint does this by allowing users the freedom to produce their own designs.







## NATE CROSBY

### Product Design Technology

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🧰 Touch Design Group



## CANOPY FURNITURE

Wake up not knowing what to wear, or with no idea of what's piled away in your drawers?

CANOPY will revolutionise your interaction with choosing, and storing clothes. CANOPY gives each of your items a designated place, increasing visibility, accessibility, and sense of value.







# ELEANOR DULEY

## Product Design Technology

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## TENT BUDDY

Light, secure and locate your tent with Tent Buddy on your next camping trip. Tent Buddy will guide you back to your tent and guard your belongings. Using strong magnets to connect together, Tent Buddy can be positioned anywhere it's needed providing the perfect amount of light for any occasion inside or out.

### The Problems



#### External Lighting

Guy ropes are a tripping hazard in low light levels



#### Locating your tent

On a busy site it is often difficult especially at night and for young children



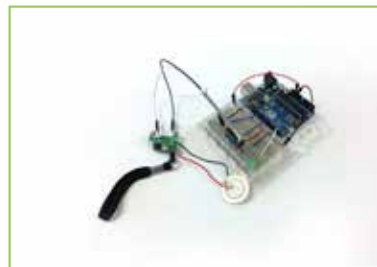
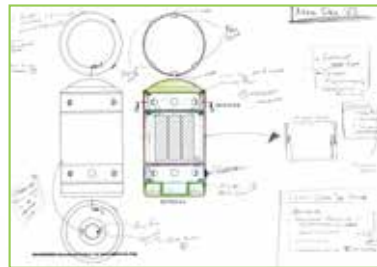
#### Security

People worry about leaving belongings in their tent, especially during peak holiday times



#### Internal Lighting Positioning

It can often be difficult and restricted





LOCATE . SECURE . LIGHT . SAFE







## BEN HASKELL

### Product Design Technology

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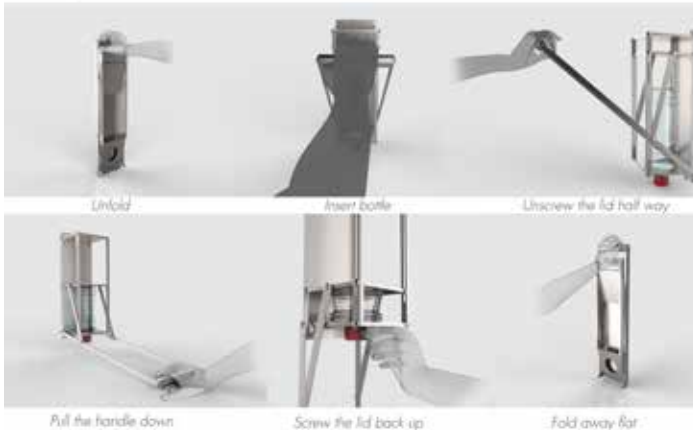
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## KROSSA

Are you always running out of recycling space? The krossa recycling crusher will reduce the volume of your plastic bottles and cans by 4 times and blend effortlessly into your lifestyle. The krossa will blend effortlessly into the wall and won't be a constant eye sore.

Storyboard



Prototype



*Effortless*



*...just one movement*



## BEN IRONS

Product Design Technology

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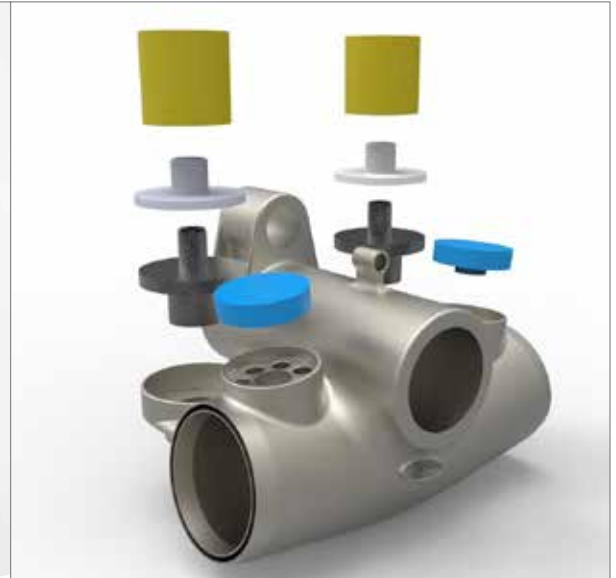
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🛠 Fabrication Centre, UWE Bower Ashton

## TITAN

Titan is an intuitive 'lean to steer' wheelchair for independent wheelchair users. Sleek, stylish and seductively fun; the Titan wheelchair puts you in control, encouraging confidence through fun with its innovative assisted intuitive 'lean steer' capability.







## JACK LYNTON-JENKINS

Product Design Technology

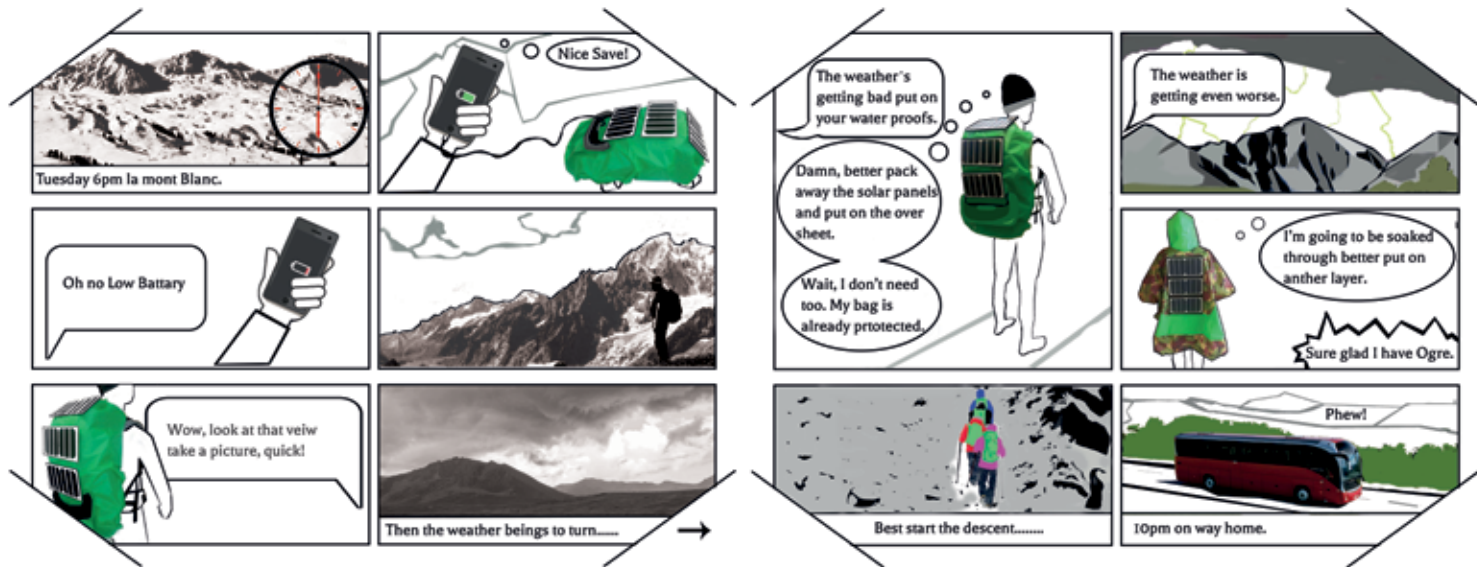
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## OGRE

Ogre: Off Grid Recharging Equipment. Ogre is a solar charger that also transforms into an emergency poncho. Ogre is capable of recharging a GoPro within two hours under direct sunlight and also contains a 10400 mAh battery to charge your devices even in dark environments. So every day can be a sunny day.











## TOBY MOORE

Product Design Technology

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## CLEAN CLUB

CleanClub is an effortless method of removing dirt and debris from your clubs. Simply insert your club into the CleanClub a handful of times and the bristles get into all of the grooves and flicks the dirt straight out with no need for your hands to get dirty and wet.



CLEAN  
CLUBS



BROUGHT TO YOU BY  
**taylorMade**





## BRAD NEWTON

### Product Design Technology

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## NEAT

Neat is a versatile multi tool that allows you to reach spaces more effortlessly than ever before. It takes on the challenge of vacuuming into tricky spaces around the car with clever innovation. Neat uses individual sucking straws, to bend and flex becoming versatile in any space.







## DANIEL ROWLANDS

Product Design Technology

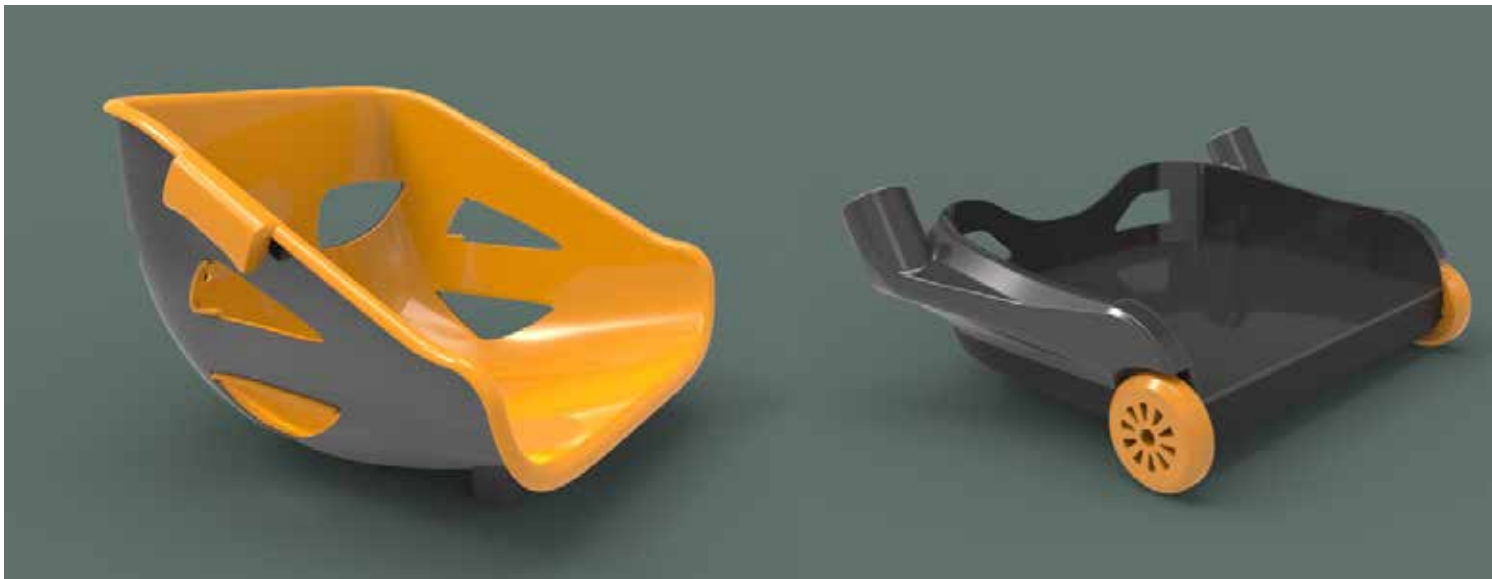
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👛 Bower Ashton

## TITAN

Titan is an intuitive 'lean to steer' wheelchair for active users looking for a new way to enjoy their every day life. Bringing a unique turning system and an unparalleled level of support and tailored fit, Titan breaks the every day wheelchair market as the first chair of its kind.







Titan.

Bold



Everyday





## TOM SALISBURY

Product Design Technology

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## IRIS

A more discrete way for the visually impaired and blind to tell the time. Using existing technology the IRIS relays the time to the wearer using vibrations. Not only that but it also has a location device if ever misplaced, simply whistle. Precision and ease of use are attributes that define the IRIS watch.







## ROB SISSONS

### Product Design Technology

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## LIBRA

Libra is a unique pushchair hook system, that allows parent's to load up their pushchair with shopping without compromising the pushchairs centre of gravity. Libra can also carry accessories such as micro scooters and balance bikes using its innovative top moulding contour and bungee strap.





MACLAREN

Be the first  
to see it





## MIKE SOPER

Product Design Technology(BSc)

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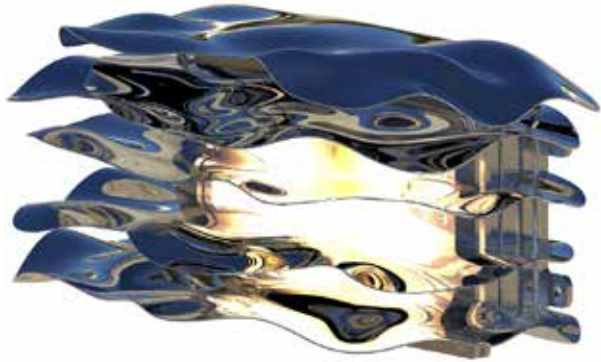
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🌐 linkedin: Mike Soper

🧰 SIMBARS UK LTD

## LIGHT FORM

A range of street lighting features, that react to people's presence and create a changing environment according to an internally stored program.





CUTLERS



## LIAM SPEAR

Product Design Technology

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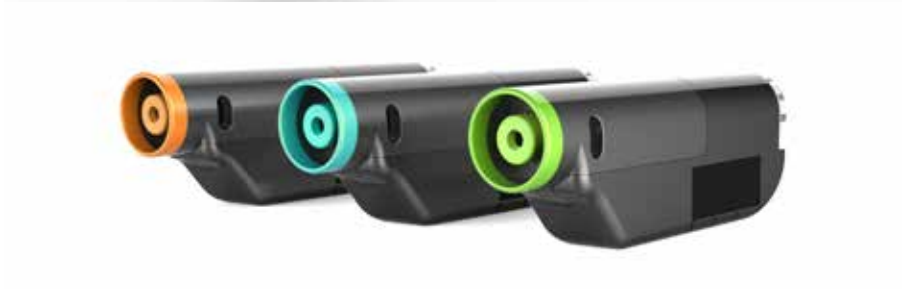
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## ‘SIMPULIN’ INSULIN PEN

SIMPULIN is the innovative new insulin device for the modern Diabetic.

Small, covert and smart, this pocket sized device is packed with technology and features to aid everyday Diabetic life, giving users freedom from their condition.







# LEWIS THOMPSON

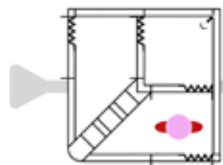
## Product Design Technology

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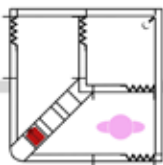
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# FLO

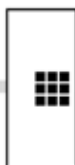
FLO, the future of festival shower design. By separating the changing rooms in to clean and dirty, people can flow through much quicker than existing solutions, just like water. Each section is timed to 5 minutes to stop a build-up of congestion. With double sided lockers, people can store and retrieve items from either side.



The user enters FLO in to the first changing room, the dirty half. Once the user locks the door, they have 5 minutes in the first room.



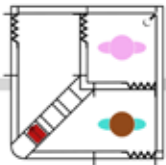
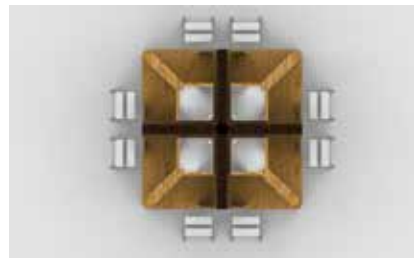
The user undresses and places their belongings in the double-sided locker. Accessible from both the dirty and clean changing room.



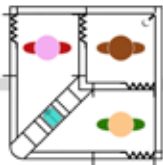
User enters a unique pin. This will allow them to open the locker on the other side with the one-time use pin.



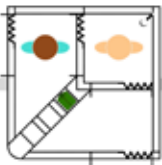
The first user showers. There is a visual timer to give them a countdown. They also have 5 minutes in this section.



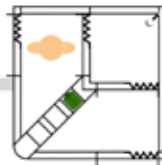
Once the first user locks the shower door, a second user can enter the changing room and begin the process as the first door will unlock.



The first user then enters the second changing room, the clean half, and removes belongings and changes. Again, they have 5 minutes. The second user can then continue and a third user enter.



After user one has changed and left, the second user can continue to do the same, unlock their locker and change. The third user can move on.



User 3 can continue after user 2 has finished. FLO will always have three users inside using the facilities to keep the queues flowing.







## ED VAN DER BERG

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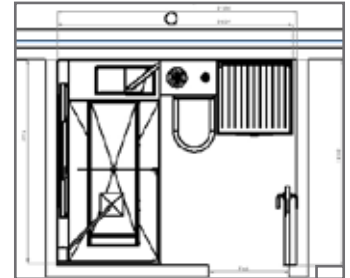
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🧳 Arno GB

## BATHROOM IN A BOX

As space becomes more of a premium, the bathroom in a box redesigns the bathroom to make it more space efficient, eco-friendly, cost effective and clever with smart technology.







## MICHAEL WHITE

### Product Design Technology

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## SKORR

Skorr is a sustainable and modern furniture project. It makes use of its online service, which allows users to tailor their own furniture for their specific spacial and functional requirements. Made from all sustainable materials, with a handmade process, to grow the users perception of quality.





Try the  
customiser







## PATRICK WILLIAMS

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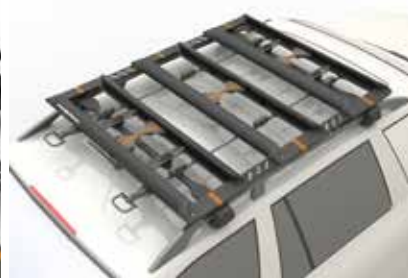
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🛠 Clinc

## ENCOMPASS

Simplifying the packing and loading process of the roof rack, Encompass breaks roof rack accessories down into manageable modules that can be completely customisable in size and position to the uses needs. A slide and click mechanism contains the modules with no need for external fixings.







## JAMES WINTERS

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🧰 Spearhead Machinery Limited



## LITTER CADDY 120

The Litter Caddy 120 is a tractor reach arm attachment which collects and disposes of the variety of different litter items which can find their way along road verges. By using the arms manoeuvrability and a pickup width of 1.2m, the Litter Caddy aims to work faster, more efficiently and safer than the currently on-foot process.













# WITH THANKS

The students would like to say a big thank you to all the staff at UWE Bristol for all their help and support throughout our time at university. We're grateful for having had the opportunity to participate in some fantastic live projects with external companies such as DoCo, Moduflex, Pelico and Robot Bike Co.

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PRODUCT DESIGN 2017