

# FlexiPod



**YOUR SPACE, ANYWHERE EVERYWHERE**

ARCHITECTURE SUMMER DESIGN COMPETITION • JULY '21 - JAN '22



Throughout the turbulent global circumstances, we at Arts and Creatives have experienced first-hand the challenges that architecture students and graduates are facing in maintaining design motivation and securing roles in industry. Arts and Creatives Ltd are inviting young aspiring Architects and designers to participate in designing a space which enhances skills, raises awareness of topical design issues and prepares for the next step in the architectural journey. This competition is organised by Part 1 Architectural Assistants at Arts and Creatives Designs Ltd, a multi-disciplinary firm based in the UK with members from across the world, specialising in design and build projects across all RIBA stages.

- HOSTED BY ARTS AND CREATIVES DESIGNS LTD -

IN PARTNERSHIP WITH



**ARCHI  
HACKS**

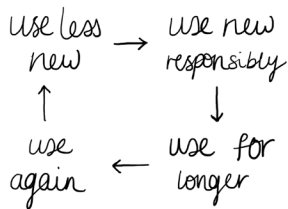
**:scale**

**WinnersDaily**

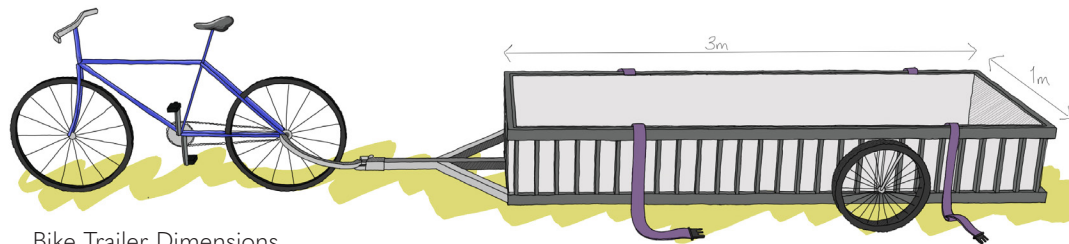
**collabed**  
CONSTRUCTION

# 01 - THE CHALLENGE

Imagine being able to do your favourite hobby in your most desired place, whenever you want! Could it be painting on a mountain side or playing chess at a local reservoir? This competition invites participants to exhibit a hobby, skill or interest in the form of architecture. With our current need for more localised travel, the challenge is to design a flat-pack traveling 'pod', that when disassembled can fit into a 1m x 3m bike trailer to be transported to any destination. The choice of site for the pod can be anywhere you enjoy being, as long as it's within cycling distance to you, and the 'pod' should cater for any activity you would want to pack up and take with you when travelling!



Circular-Economy Mindset



Bike Trailer Dimensions

The purpose of the competition is to consider the positive impact of choosing to build temporary mobile structures which don't harm the environment they're built on, and can be adapted for multiple uses, rather than permanent structures which will one day be knocked down and create more harmful waste. We also encourage participants to think with a circular economy mind-set when choosing materials and methods of construction to use.

## STEP 1

PICK A HOBBY/SKILL/ INTEREST THAT'S PERSONAL TO YOU. REMEMBER, THIS CHOICE WILL SHAPE YOUR WHOLE DESIGN!

## STEP 2

YOU CAN TAKE YOUR FLAT-PACKED TRAVEL POD ANYWHERE WITHIN CYCLING DISTANCE FROM YOU BUT PICK A SITE TO REST. CHOOSE YOUR MATERIALS FROM THE LIST TO SHAPE YOUR POD'S WALLS, FOUNDATIONS AND FINISHES.

## STEP 3

START DESIGNING. ORGANISE YOUR POD LAYOUT AND TRANSLATE YOUR IDEA ON PAPER. 3-D MODELLING, RENDERS, HAND DRAWING AND PAINTING, ALL MEDIUMS ARE WELCOME



### DOS

- Make the Most of Available Space
- Ensure it can be Flat-Packed
- Personalise your Project
- Choose Materials from the List
- Make Spaces Habitual
- Showcase your Design Visually
- Explore Visual Representation Styles
- Give your Project a Name

### DONTS

- < > Exceed 20sqm
- < > Keep it Stationery
- < > Overcomplicate it
- < > Use Materials that aren't Sustainable
- < > Replicate a House
- < > Include a lot of Text
- < > Hold Back on being Creative
- < > Call it a FlexiPod

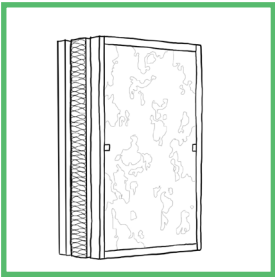
Showcase Yourself < > Be Afraid



# 02 - MATERIALS LIST

Provided is a list of environmentally friendly materials that is suggested for participants to use. Of course these materials may not be sustainable in all countries and therefore different materials can be chosen, however please use in locations which are suitable. When designing with materials that aren't within the list, we encourage participants to think creatively about new/unusual sustainable materials, i.e. are there bi-products from local industries that could be used or any local crops? Check out the resources below each material description for more information.

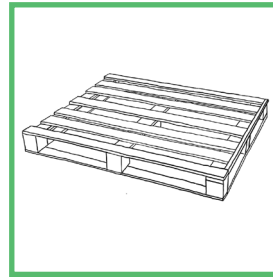
## WOOD FIBRE AND STRAW PANEL



Ecococon has created a composite panel made up of a straw insulation layer between two wood fibre layers. The panel is made entirely of natural products and meets 'cradle to cradle' requirements. Within your design, we suggest the panel could be dissected into single layers of wood fibre or straw to use as panelling or insulation respectively.

<https://ecococon.eu/gb/the-panel>

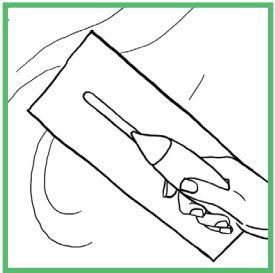
## PALLETS



Pallets are a very useful bi-product from many goods industries in the UK that are often thrown away. They can be used to aid with structural support of the design, or disassembled and used as cladding, roofing or flooring.

<https://www.brookfieldpallets.co.uk/5-interesting-facts-about-pallets/>

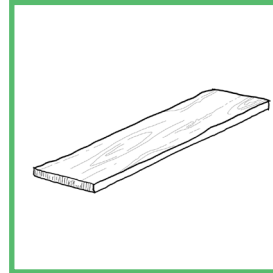
## BIOCHAR PLASTER



Made from a mixture of charcoal, clay and sand plaster with a thickness of 20mm, biochar is a natural alternative to regular plaster, and can provide finishes for the interior or exterior.

<https://www.biochar-journal.org/en/ct/3>

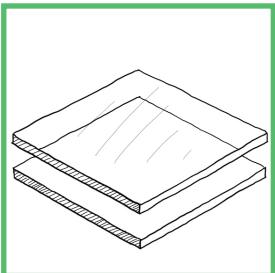
## UK GROWN TIMBER



The website link below provides a list of timber that can be sourced in the UK and the qualities of each tree type, to be suitable for cladding or structure.

<https://www.trada.co.uk/>

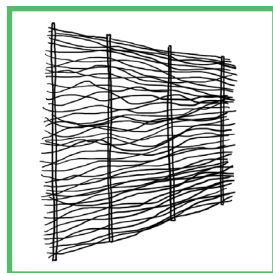
## POLYCARBONATE SHEETS



Polycarbonate sheets can be a good alternative to glass for small scale projects such as this one. They can be made entirely from recycled plastic and also can be recycled again after they have served their use.

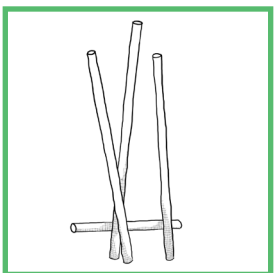
<https://plasticsheetsshop.co.uk/polycarbonate-sheets/>

## WOVEN WILLOW PANEL



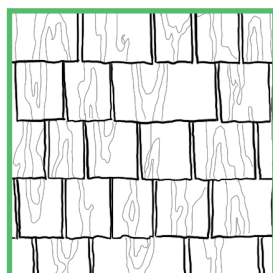
Entirely natural and biodegradable, woven willow panels can be made at any custom size. They provide structural support and can be combined with other materials to generate water tightness to be used as cladding. <https://www.primrose.co.uk/hazel-hurdles-fencing-panel-182m-182m-6ft-6ft-papillon-p-1728.html>

## SCAFFOLD POLES AND PINE SCAFFOLD BOARDS



Bi-products from the construction industry, scaffold poles can be infinitely reused again. Scaffold boards only have a life span of 3-4 years but can still be used for other means i.e. flooring. Dimensions of the boards are L3900xW225xD38mm and the poles have a diameter of 48.3mm with a variable height. <https://www.warehouse701.co.uk/reclaimed-scaffold-boards-pine-some-end-capped>

## TIMBER SHINGLES



Shingles from UK grown timber can be used either as wall cladding or roofing and they have a big environmental positive over standard timber planks, using much less energy to produce and transport. They are also much lighter in weight, reducing the amount of structure needed. <https://www.englishwoodlandtimber.co.uk/products/shingles/>

# 03 - SUBMISSION GUIDELINES

## TEAMS & PRICES

MAX 4 PEOPLE  
IN EACH TEAM

STUDENTS: £10  
NON-STUDENTS: £20



**1 X A3 PAGE** PROJECT PRESENTATION BOARD;  
E.G. VISUALS, PLANS, DIAGRAMS ETC. BE  
EXPERIMENTAL WITH YOUR CHOICE OF DRAWINGS!  
(.PDF FORMAT, 297MM X 420MM, MAX 10MB)

## FILE NAMES

A3 PAGE: PROJECT\_TEAMID  
A4 PAGE: BRIEF\_TEAMID  
A5 PAGE: IMAGE\_TEAMID



**1 X A4 PAGE** EXPLAINING YOUR DESIGN IDEA  
+ A LIST OF MATERIALS USED IN YOUR PROJECT  
(.PDF FORMAT, MAX 400 WORDS + 5MB)

E.G. IF THE TEAM'S ID IS 123456,  
THE FILE NAME WILL BE  
PROJECT\_123456



**1 X IMAGE** PICK ONE WHICH BEST DESCRIBES  
YOUR PROPOSAL TO BE USED FOR PUBLICATIONS  
(.JPG FORMAT, MAX 10MB)



UPLOAD TO THE LINK  
SENT TO YOU VIA EMAIL ONLY

# 04 - DESIGN CRITERIA

Creativity in rethinking spatial organisation and incorporate unique aesthetics, new technologies, and innovative materials that will make the "FLEXIPOD" an entirely new form of architecture.

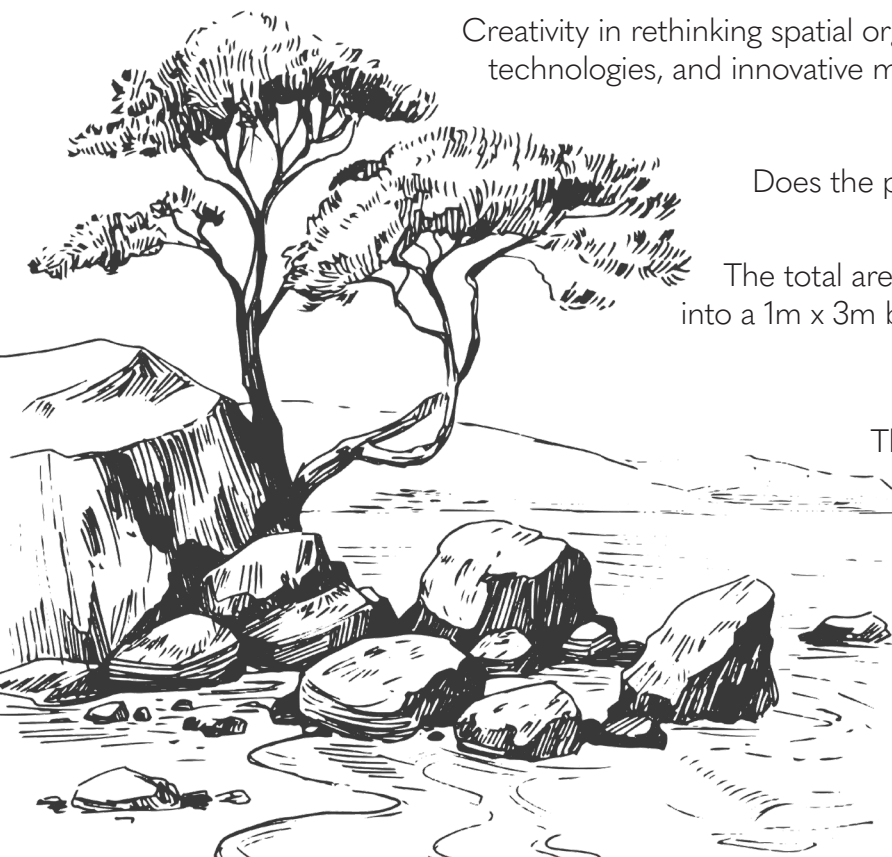
Does the project include sustainable construction methods?

The total area must be no larger than 20sqm and be able to fit into a 1m x 3m bike trailer with disassembled (no depth specified).

The proposal must needs to reflect aspects of Long life and circular economy within the ideology of tackling the brief.

Ease of construction, assembly and packing will be regarded.

Does the project capture the character and personality of the participants?



# 05 - AWARDS

FIRST PLACE



- CASH PRIZE (TBC)
- CERTIFICATE + PUBLICATIONS

SECOND PLACE



- A CHOICE OF TWO RESOURCE PACKS - ARCHIHACKS
- A COPY OF THE '1 HOUR CRIT WORKBOOK' - :SCALE
- MENTORING FROM DANIEL HOROWITZ, FOUNDER OF ARCHITECTURE IS FREE FOUNDATION, NEW YORK CITY
- CERTIFICATE + PUBLICATIONS

THIRD PLACE



- A CHOICE OF ONE RESOURCE PACKS - ARCHIHACKS
- A COPY OF THE '1 HOUR CRIT WORKBOOK' - :SCALE
- CERTIFICATE + PUBLICATIONS

5 HONOURABLE MENTIONS



- CERTIFICATE + PUBLICATION
- ALL WINNING ENTRIES PUBLISHED ON WINNERSDAILY
- ALL ENTRIES TO BE PUBLISHED ON A+C WEBSITE

# 06 - TIMELINE

July 20th 2021 19:00PM < > Registration Begins

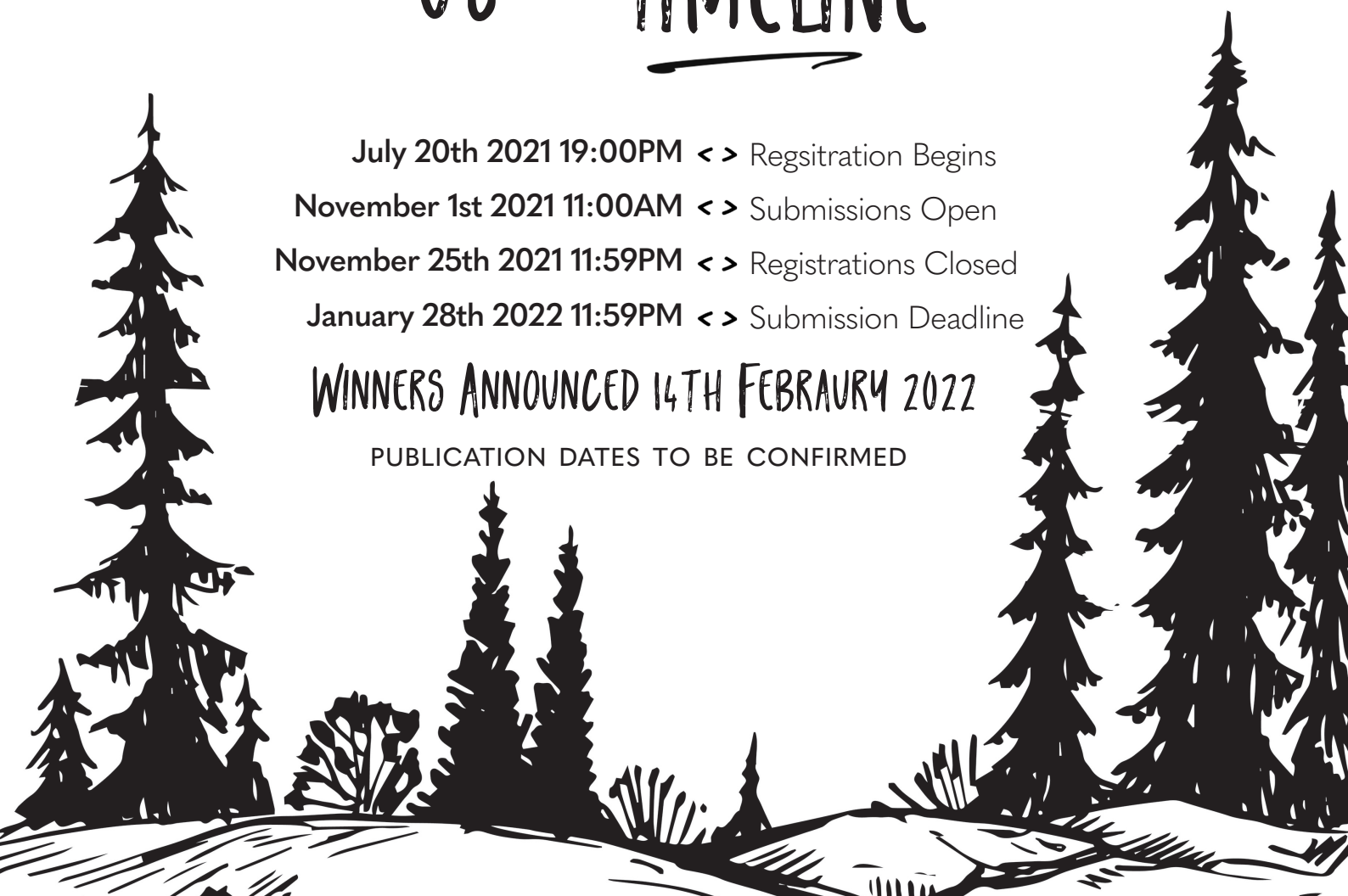
November 1st 2021 11:00AM < > Submissions Open

November 25th 2021 11:59PM < > Registrations Closed

January 28th 2022 11:59PM < > Submission Deadline

WINNERS ANNOUNCED 14TH FEBRUARY 2022

PUBLICATION DATES TO BE CONFIRMED



# 07 - JURY



**DANIEL KIRKBY**

PART II ARCHITECTURAL  
ASSISTANT AT SIMPSONHAUGH AND  
PARTNERS - UK



**JINSU PARK**

FOUNDER OF ARCHIHACKS -  
TORONTO, CANADA



**ALEX RAMSDEN ACIAT**

FOUNDER OF COLLABED  
ARCHITECTURAL TECHNOLOGIST - UK



**STEPHANIE BARMO**

ARCHITECT AT ARTS AND  
CREATIVES DESIGNS LTD - LEBANON



**CALISTA MACEY STEWART**

ARB PROJECT ARCHITECT - UK



**DR ELIZABET WALDER**

ARCHITECTURE MATTERS LTD  
LECTURER AT THE UNIVERSITY OF  
WALES TRINITY SAINT DAVID - WALES



**AKIN LISK-CAREW**

ARB ARCHITECT AT LCA  
DESIGN AND BUILD - UK



**CAROLINA MARIELA BRUNO**

ARCHITECT AND URBAN PLANNER  
AT VICAGE (BRAZIL) ARTS AND  
CREATIVES DESIGNS LTD - UK



# 08 - T+C'S

- NO PARTICIPANT NAMES, ORGANISATIONS, LOGOS OR INFORMATION THAT REVEAL THE TEAM/TEAM MEMBER'S IDENTITY SHOULD BE ON SUBMISSION MATERIALS. YOUR REGISTRATION NUMBER MUST BE PLACED ON THE TOP RIGHT HAND CORNER OF THE TEAM'S COMPETITION BOARD. FAILURE TO DO SO WILL RESULT IN DISQUALIFICATION.
  - THE ARTS & CREATIVES TEAM WILL SEND A CONFIRMATION EMAIL WITHIN 24 HOURS AFTER REGISTRATION AND PAYMENT, WHICH WILL INCLUDE ACCESS TO THE BRIEF AND SUBMISSION LINK.
  - ALL MATERIALS SUBMITTED TO THE COMPETITION WILL BECOME PROPERTY OF ARTS AND CREATIVES (A+C), AND THEREFORE GIVE A+C ALL ASSOCIATED RIGHTS. PUBLISHED MATERIALS WILL BE ATTRIBUTED TO THE APPROPRIATE AUTHOR.
  - A + C RESERVES THE RIGHT TO MODIFY THE PROPOSALS AND TEXT IN ORDER TO BETTER ADAPT THEM TO ANY PUBLICATION FORMAT, WITHOUT CHANGING THE ESSENCE OF THE PROPOSAL ITSELF.
  - PARTICIPANTS ARE RESPONSIBLE FOR USING COPYRIGHTFREE IMAGES. A+C WILL NOT BE HELD RESPONSIBLE FOR THE USE OF PROTECTED IMAGES.
- ALL ENTRIES MUST BE SUBMITTED IN ENGLISH.

## ATTRIBUTIONS

### PROJECT ORGANISERS -

HIBAH SHAH, LOLA TARTAKOVER, DORELL GAYLE-MENZIE, DANIEL NJOKU AND PRIYANKA SHARMA  
ARTS AND CREATIVES DESIGNS LTD

### FRONT COVER, BIKE TRAILOR AND MATERIAL ICON ILLUSTRATIONS -

LOLA TARTAKOVER, ARTS AND CREATIVES DESIGNS LTD

### ICONS -

THE NOUN PROJECT: KIMMI STUDIO, MIGIEL C BALANDRANO, USEICONIC.COM, ARTWORK LEAF, OLEKSANDR PANASOVYSKYL, OLGA, PARKJISUN

