



LUISA YRAVEDRA STUDIO



1
CTN TOOL
DESIGN AND PRODUCTION



2
VAN LAYOUT
3D MODELS AND RENDERS



3
HOT DOG
SKATEBOARD DECK



4
VANS 3D MODEL
AND RENDER



5
ACRO., RECYCLED UNIT
DESIGN AND PRODUCTION



6
VAN FUNITURE
DESIGN AND PRODUCTION

Product Design



CTN ACTION CAMERA TOOL

OVERVIEW

This project answers the design question of a multi-tool to open and adjust the standard Action Camera Case that has weak points to access and handle.

DESIGN

Doble diamond design process with strong focus on test prototypes.

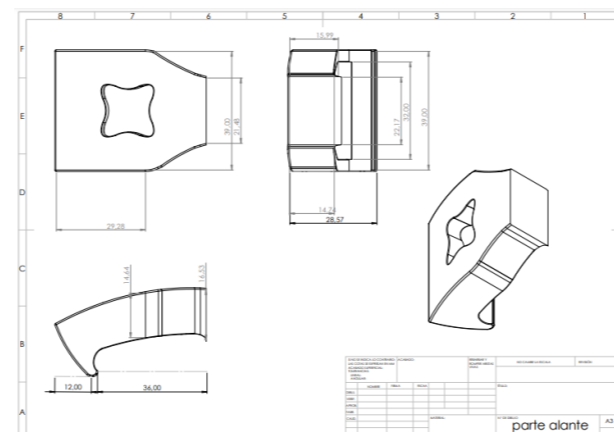
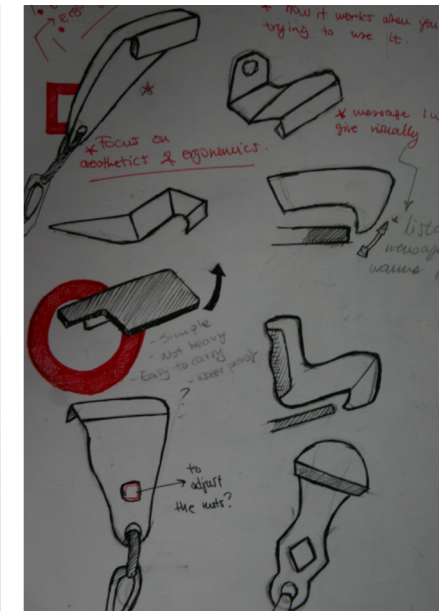
MANUFACTURING

Full in-house production using vacuum forming, drilling and model making techniques for plastic. Cork pattern to simulate silicone texture placed on top.

CONCEPT
DESIGN

DESIGN FOR
MANUFACTURE

PRODUCTION



VAN LAYOUTS-DESIGN, MODELING AND RENDERING

OVERVIEW

Year-long projects during Placement Industry year to accommodate the needs of our clients to create design layouts for their Campervans. This 3D models helped the client understand their use of space and the production team understand the requirements of design

DESING

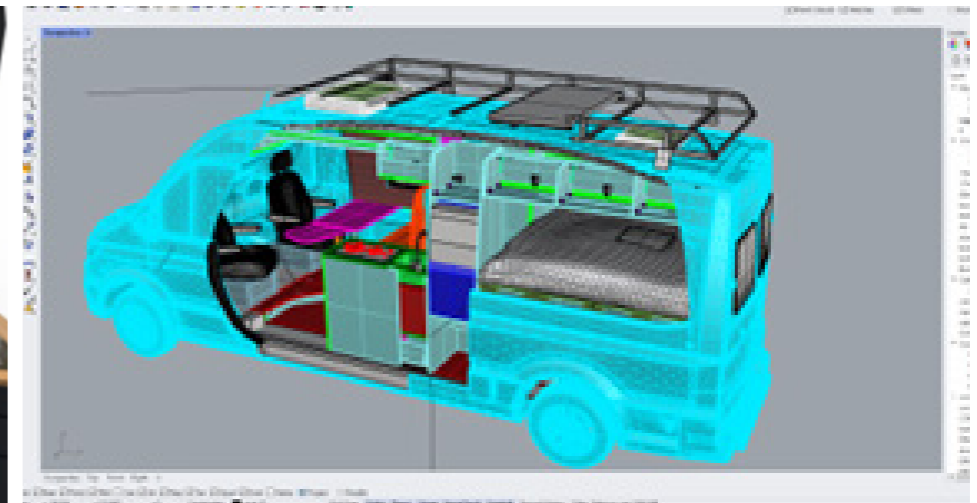
3D Models produced using Rhino separating each unit and part into different layers and renders and animations made using Keyshot and Sketchfab.



3D DESIGN

DESIGN FOR
VISUALISATION

RENDERING



HOT DOG SKATE DECK

OVERVIEW

To use a bamboo offcut from a past project, this fully functioning skate deck was designed and manufactured.

DESIGN

Designed to fit a set of standard trucks and hold the average weight of a person, the board was designed using Rhino to make the manufacturing process easier.

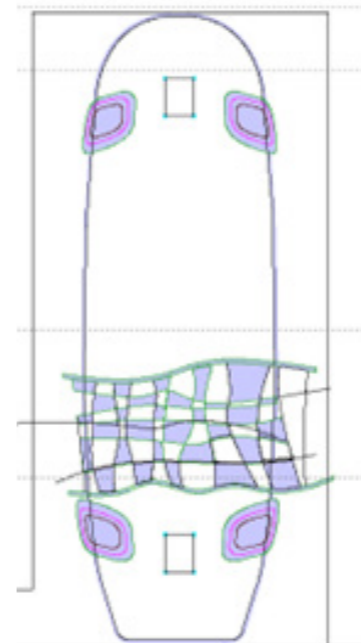
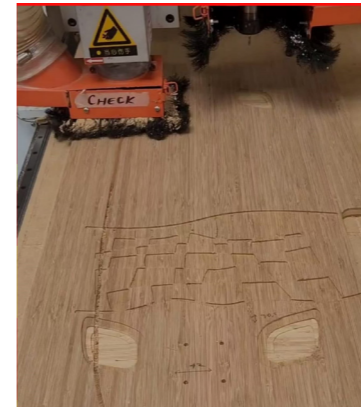
MANUFACTURING

The board was first manufactured using a CNC cutting machine using Aspire to create the correct drawings and instructions. This includes all the pockets and the pattern. The board was then hand sanded to find the wanted finished and a layer of cork grip tape was carved and installed on top.

CONCEPT
DESIGN

DESIGN FOR
MANUFACTURE

PRODUCTION



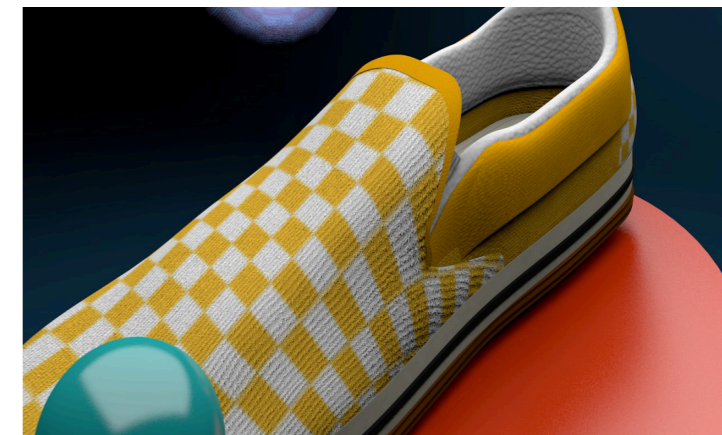
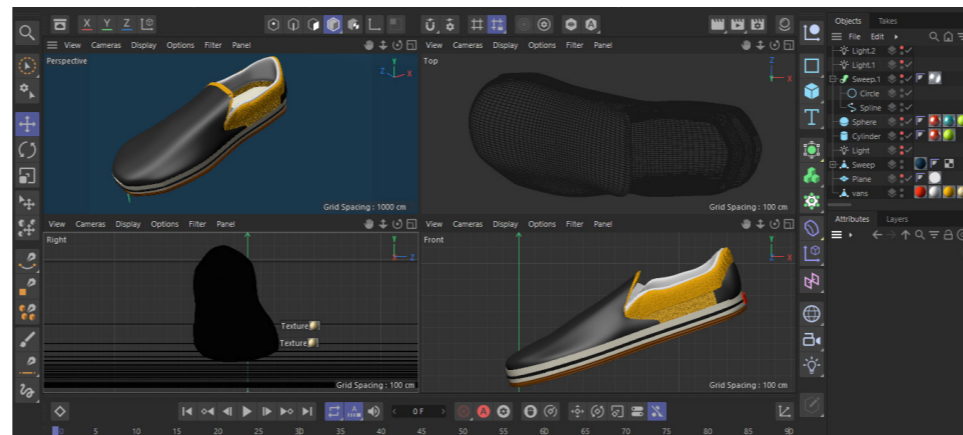
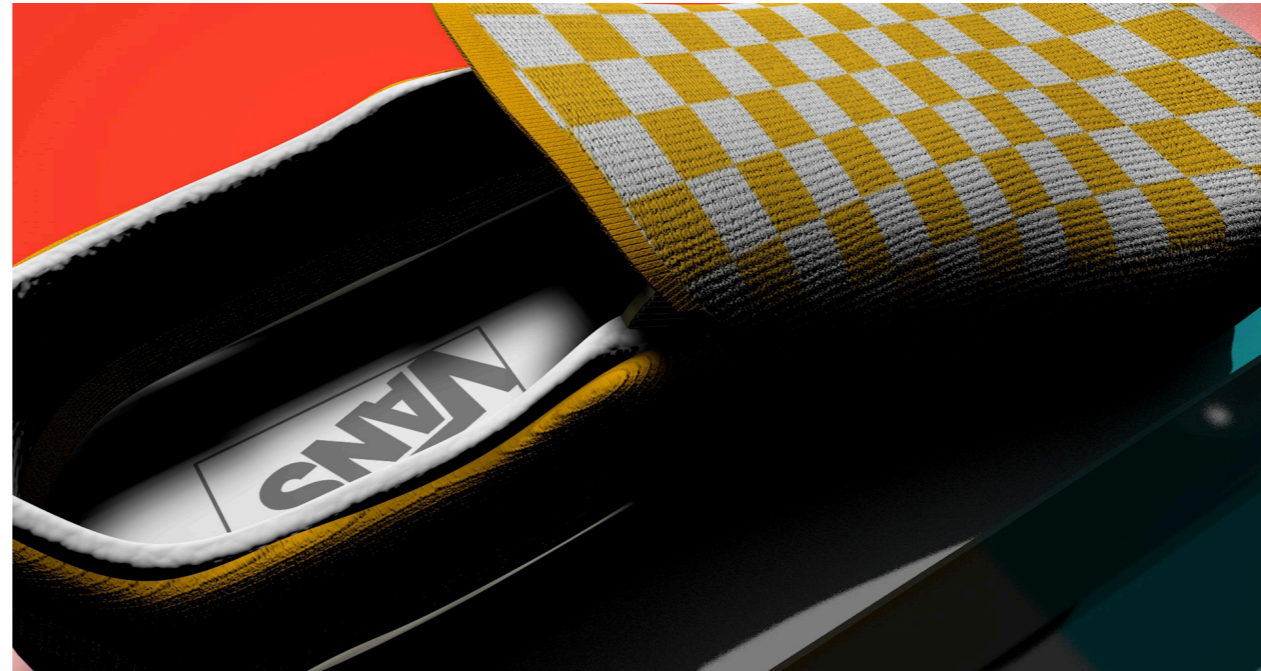
VANS 3D MODEL AND RENDER

OVERVIEW

Personal Project as part of my 3D Modelling and Rendering course (3D Set Design for Cinema4D) modelling a Vans* Shoe from scratch and creating different textures and lighting for said.

DESIGN

The 3D Model was produced using Cinema4D separating each unit and part into different layers and the renders were made using Cinema's render motor Redshift, focusing on the global illumination aspects.



ACRO

OVERVIEW

Final year project to solve a storage issue at coastal locations using exclusively recycled plastic.

DESIGN

Acro is a unit designed to help water-sports fans to store their belongings while practicing at coastal locations. Thanks to this unit, 78.3% of the potential users would change their preferred transport method to the beach from a private car to walking. Acro stores small and big objects in different spaces and each unit eliminates up to 53 kilos of plastic.

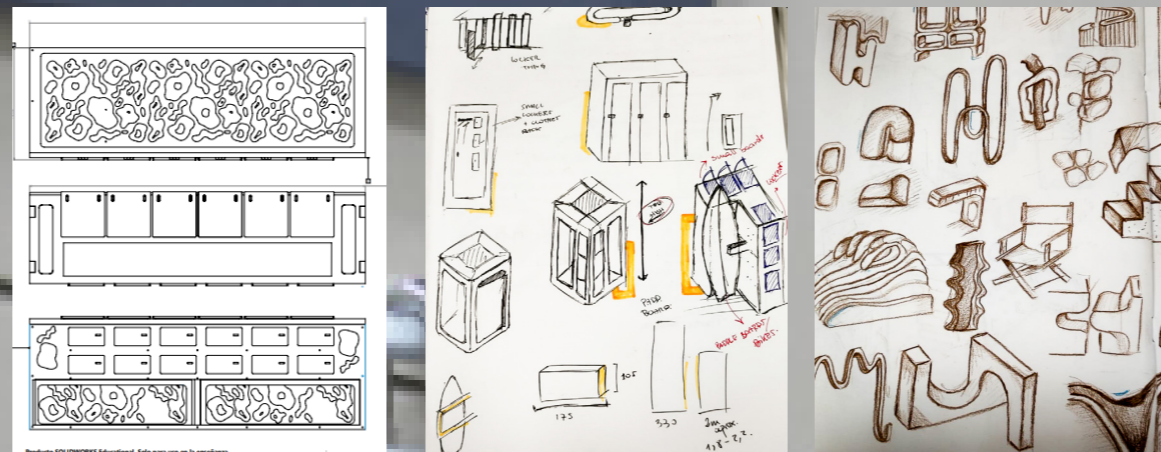
MANUFACTURING

Acro is designed as a partnership with Circular11, who recycle plastic into day-to-day objects like benches. A fully functional prototype of the unit was produced for show.

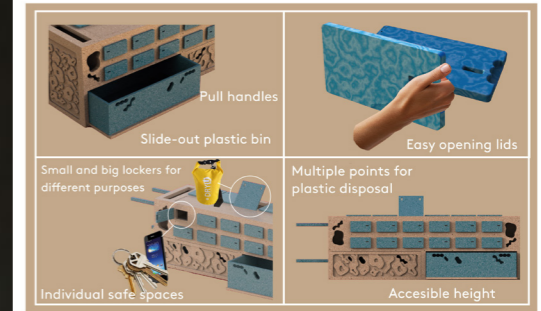
CONCEPT
DESIGN

DESIGN FOR
MANUFACTURE

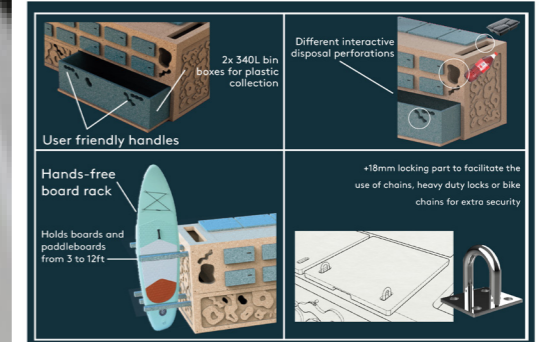
PRODUCTION



ERGONOMICS



REV PARTS



MATERIALS & MANUFACTURE



VAN FURNITURE DESIGN

OVERVIEW

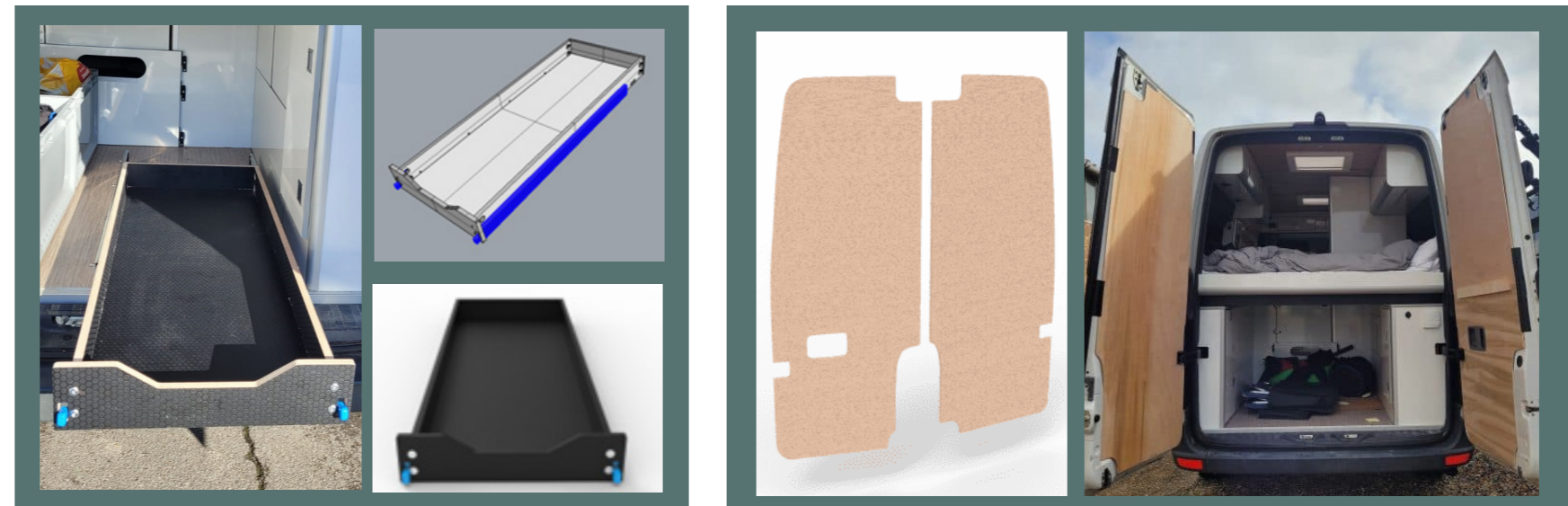
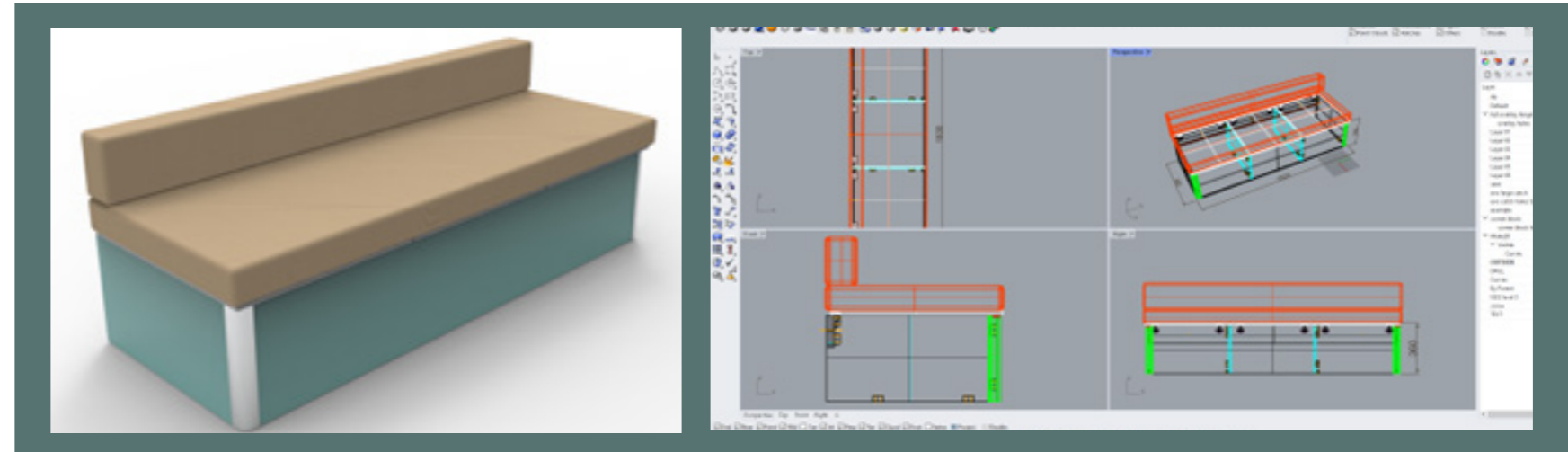
Design of flatpack furniture and units for campervans.

DESIGN

Each unit is designed to fit a specific type and size van and designed to be easy to manufacture as flatpack and to build by the customer once purchased. All parts designed using Rhino and Rendered using Keyshot.

MANUFACTURING

All units have been designed to be manufactured through a CNC Process using 15mm thick wooden sheets. All designs fit EVO mounting blocks and 1mm screws and are designed to be plastic trimmed.





Want to know more?

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Luisa Yravedra Studio 2024-
Open to work and collaborate.

