

*CORAL*

Architects 2025

[www.coral3dcp.com](http://www.coral3dcp.com)

# Chasm

Proposal of 3D-printed glamping



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# About Coral 3DPC

We utilize our proprietary 3D Concrete Printing (3DCP) technology, enabling efficient and uncompromising execution of even the most demanding projects — from family homes to complex multi storey buildings and urban infrastructure. 3D concrete printing gives us freedom of form, high precision, and significant savings in material, time, and labor. At the same time, it contributes to sustainability by minimizing waste and energy consumption.



# Coral Automated Construction Ecosystem

Mechanics

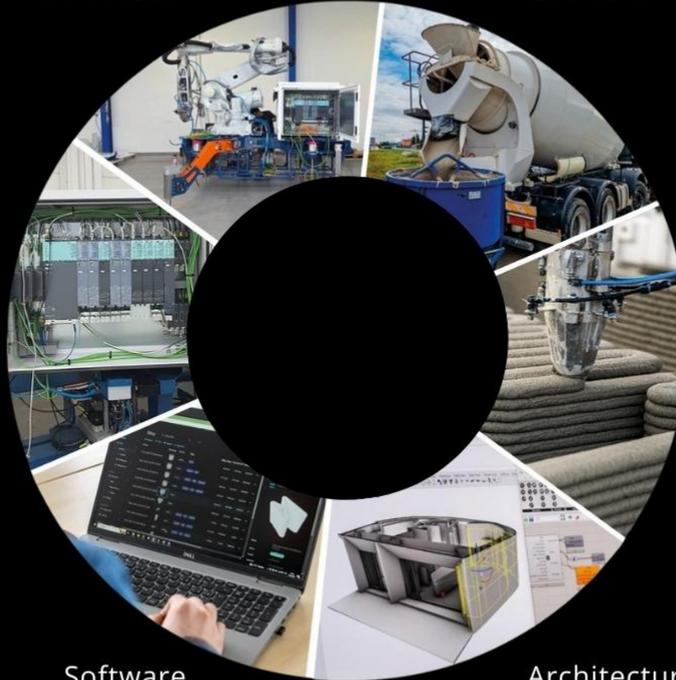
Material

Electrotechnics

Construction

Software

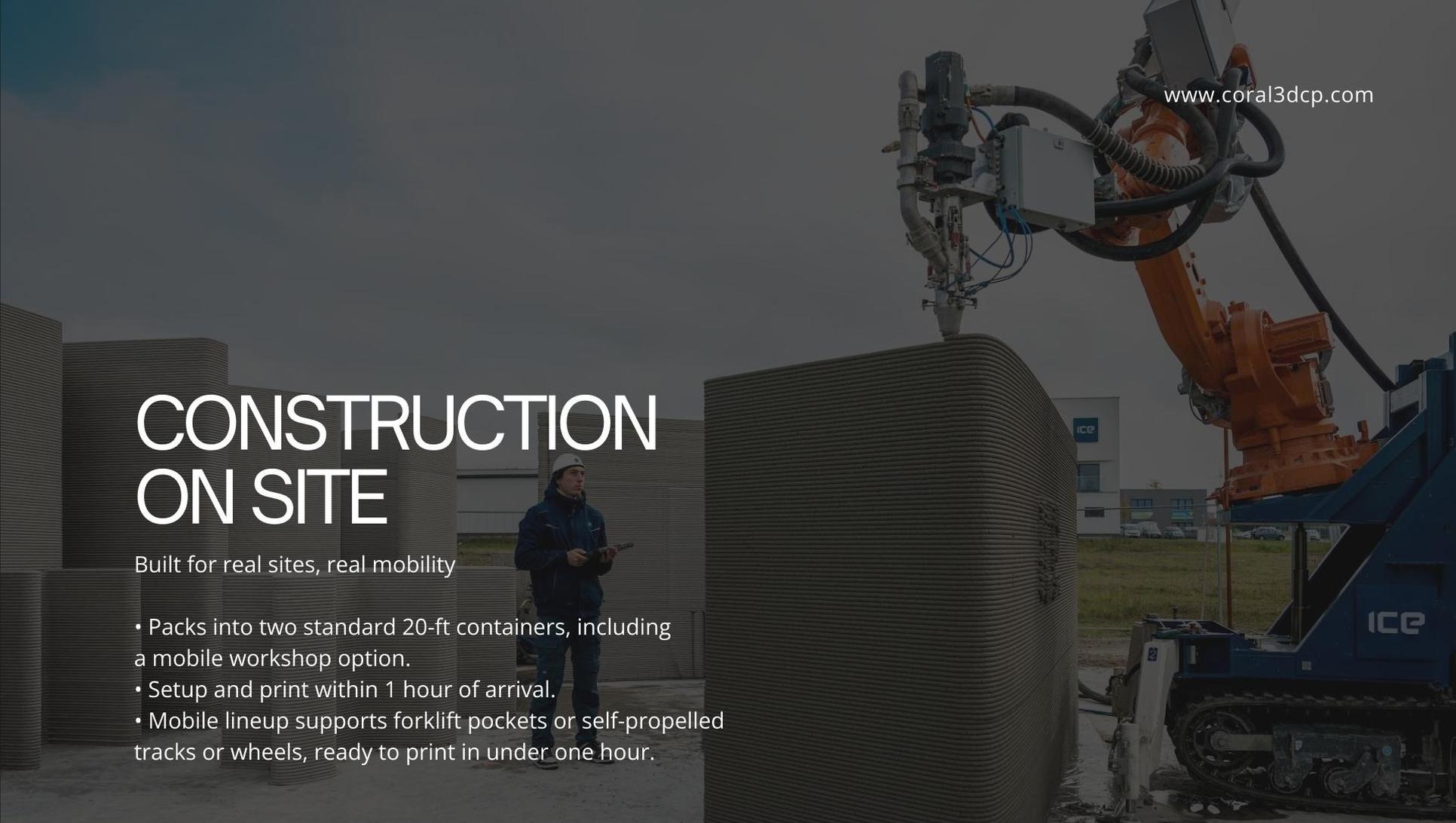
Architecture



# CONSTRUCTION ON SITE

Built for real sites, real mobility

- Packs into two standard 20-ft containers, including a mobile workshop option.
- Setup and print within 1 hour of arrival.
- Mobile lineup supports forklift pockets or self-propelled tracks or wheels, ready to print in under one hour.



# EDGE SMOOTHING

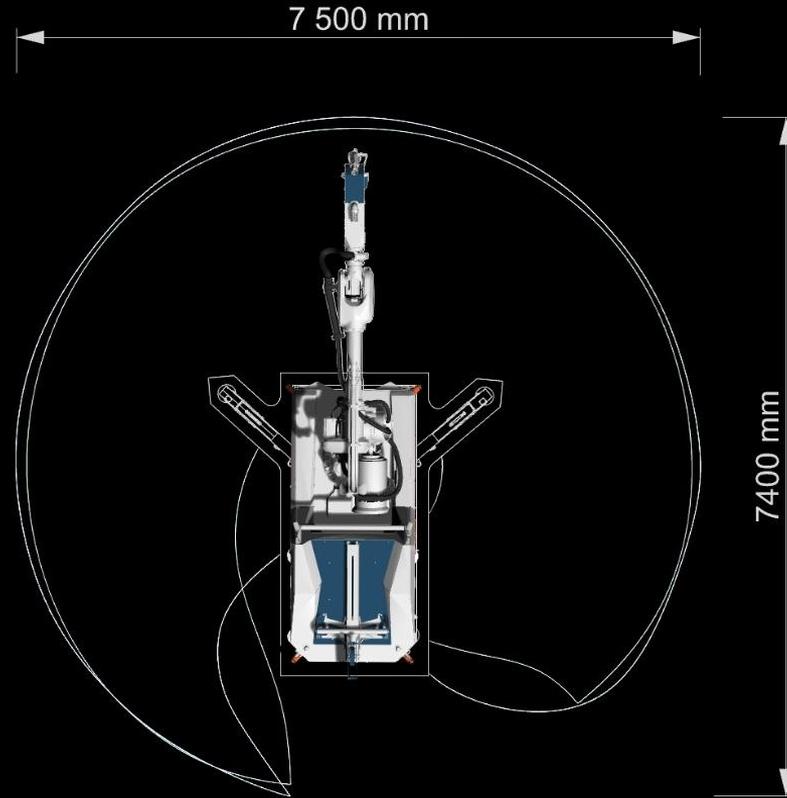
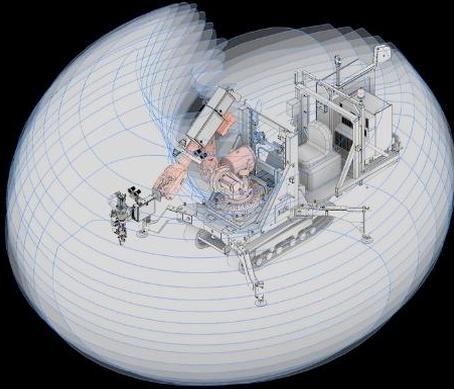
Up to 15% of 3DCP material can be saved by edge smoothing of the printer path.

Approximately 30% of surface treatment material can be saved thanks to this, compared to traditional 3DCP surface.



# Unique design tailored to the printer's reach

The house design is based on the printer's constraints to fully **maximize its efficiency and capabilities.**



# The First 3D Printed Cable Car Station with Restaurant in the World

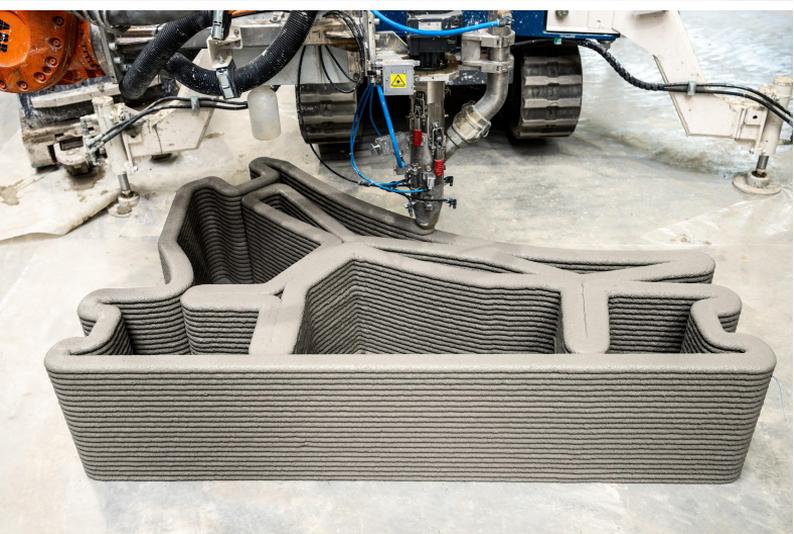


# The First 3D Printed Restaurant in the World 2024



Coral 3DCP







# Fully 3D Printed House from Local Concrete 2023



Coral 3DCP



# Fully 3D Printed House from Local Concrete 2023



- Built-up area house: **84 m<sup>2</sup>**
- Built-up area terrace: **22 m<sup>2</sup>**
- Usable area: **69 m<sup>2</sup>**

# First 3D Printed House in Luxembourg 2025



# First 3D Printed House in Luxembourg 2025



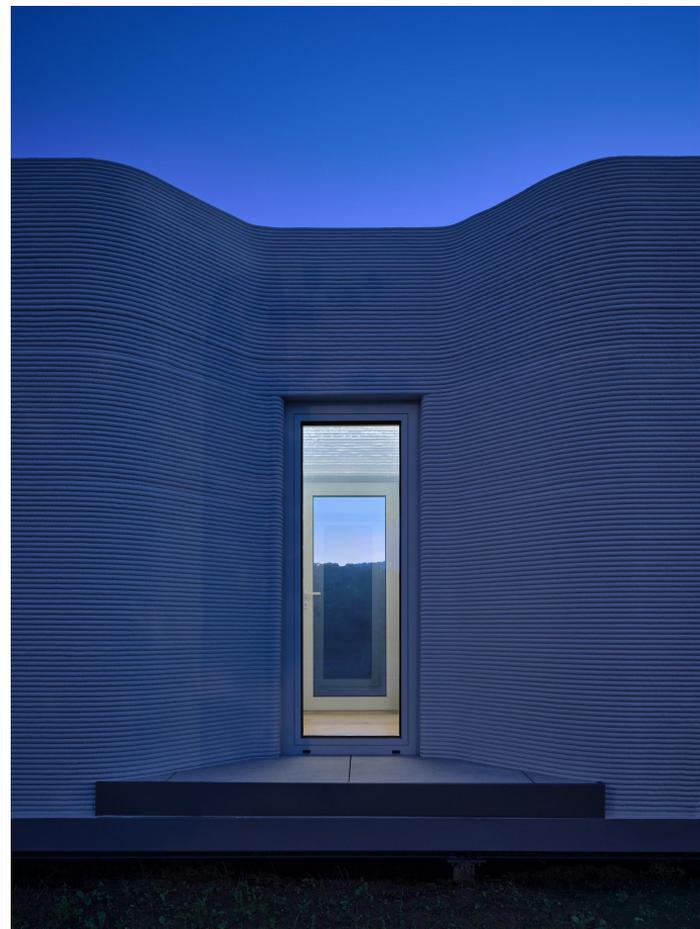
## First 3D Printed House in Luxembourg



## First 3D Printed House in Luxembourg

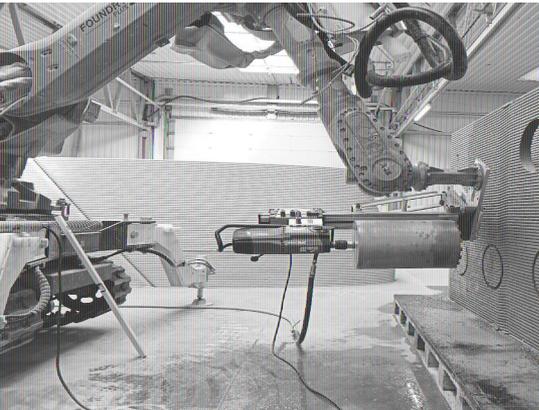


Coral 3DCP



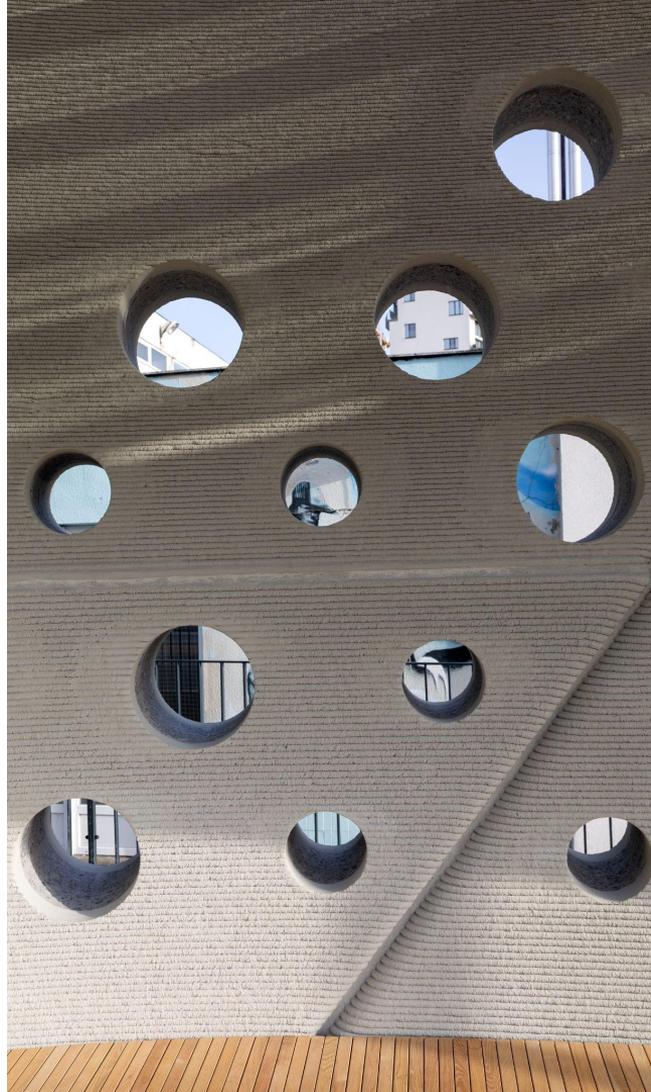
# Parametric Bus Stop 2024







Coral 3DCP



Pavilion Between Conflicts  
Designblok Prague 2022



Pavilion Between Conflicts  
Designblok Prague 2022





# Concept

Chasm Glamping is a collection of sculpted 3D-printed concrete pods creating a calm, immersive retreat that feels rooted in the landscape. Built for fast, low-waste construction and strong thermal performance, the concept is adaptable to virtually any location.

With a distinctive design, durable construction, and scalable production, Chasm has strong investor potential as a premium vacation retreat model.

[www.coral3dcp.com](http://www.coral3dcp.com)

# Categories

To match different guest preferences and investment models, Chasm is offered in multiple categories:

1. **Single** – compact solo refuge, efficient footprint, high turnover potential
2. **Lux** – upgraded finishes, private deck, optional plunge or spa module
3. **Double** – couples' suite with expanded lounge and view-focused entry
4. **XL** – larger plan for longer stays, family-friendly flexibility
5. **Sky** – enhanced oculus/skylight experience and elevated viewing features



# Design Approach

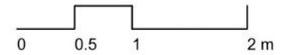
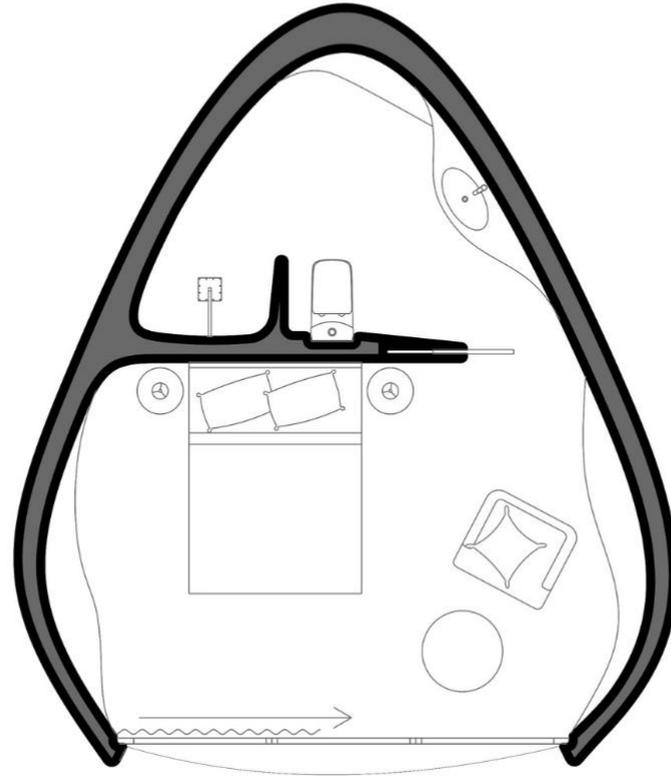
Chasm pods are designed as a continuous 3D-printed concrete shell, shaped for layer-by-layer fabrication without formwork and with minimal joints. A parametric digital model scales the same architecture across Single, Double, Lux, XL, and Sky versions by adjusting openings, oculus size, and layouts. Shell thickness and detailing are tuned for structure and climate performance, with printed segments assembled on low-impact foundations for flexible siting.



# 1. Coral Glamping **SINGLE**

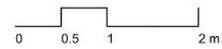
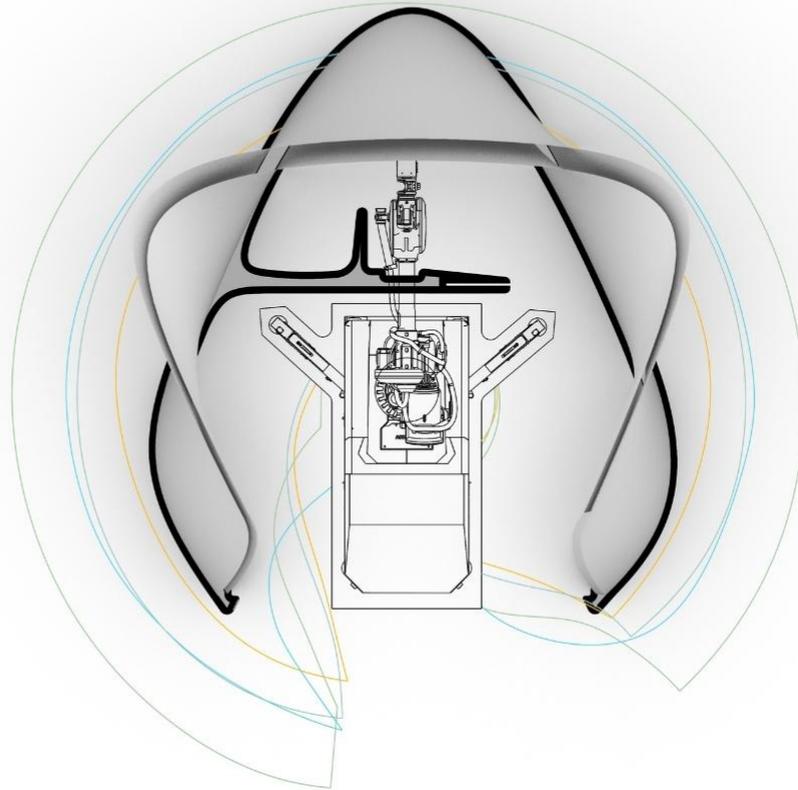


# 1. Coral Glamping **SINGLE**

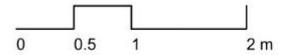
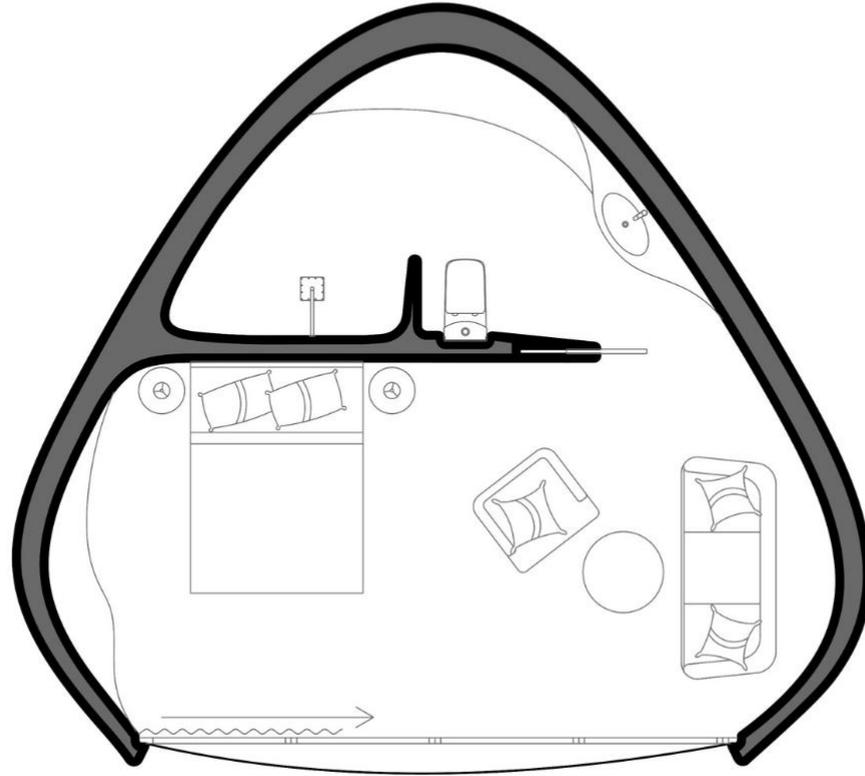


# 1. Coral Glamping **SINGLE**

1 printing position



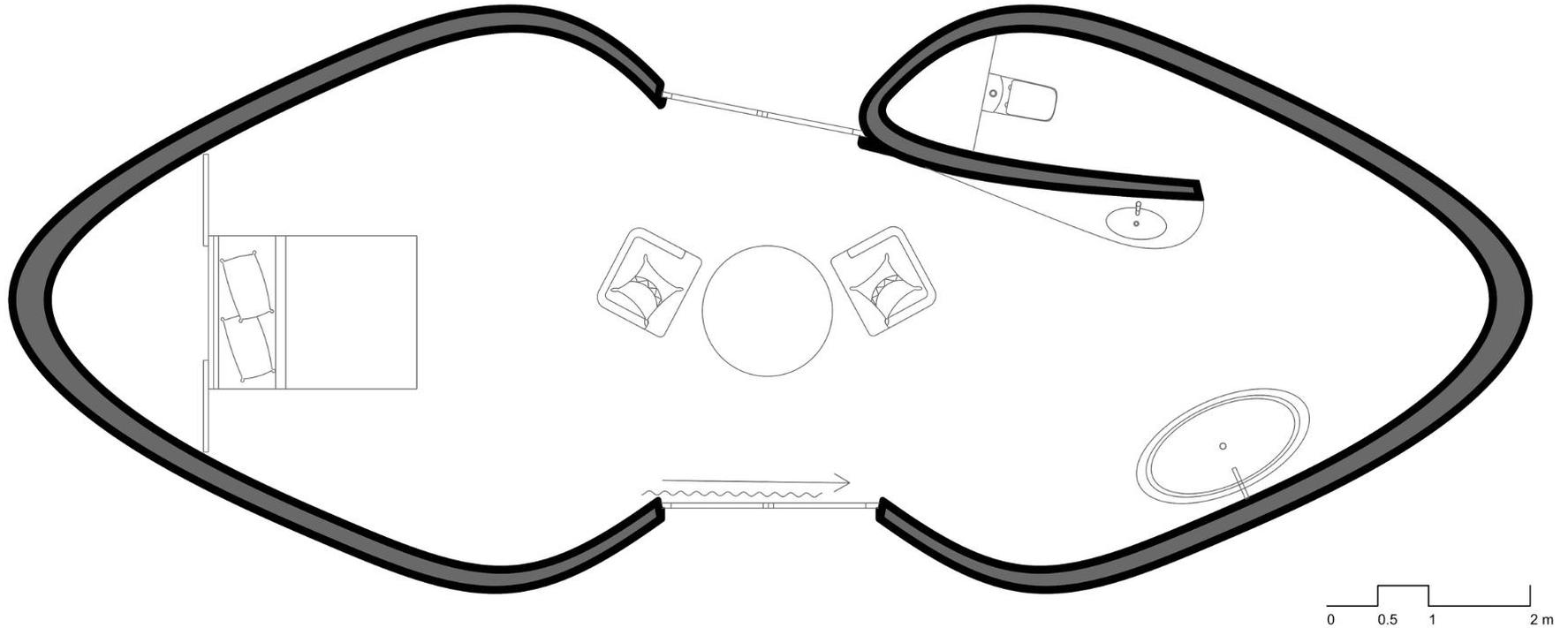
## 2. Coral Glamping LUX



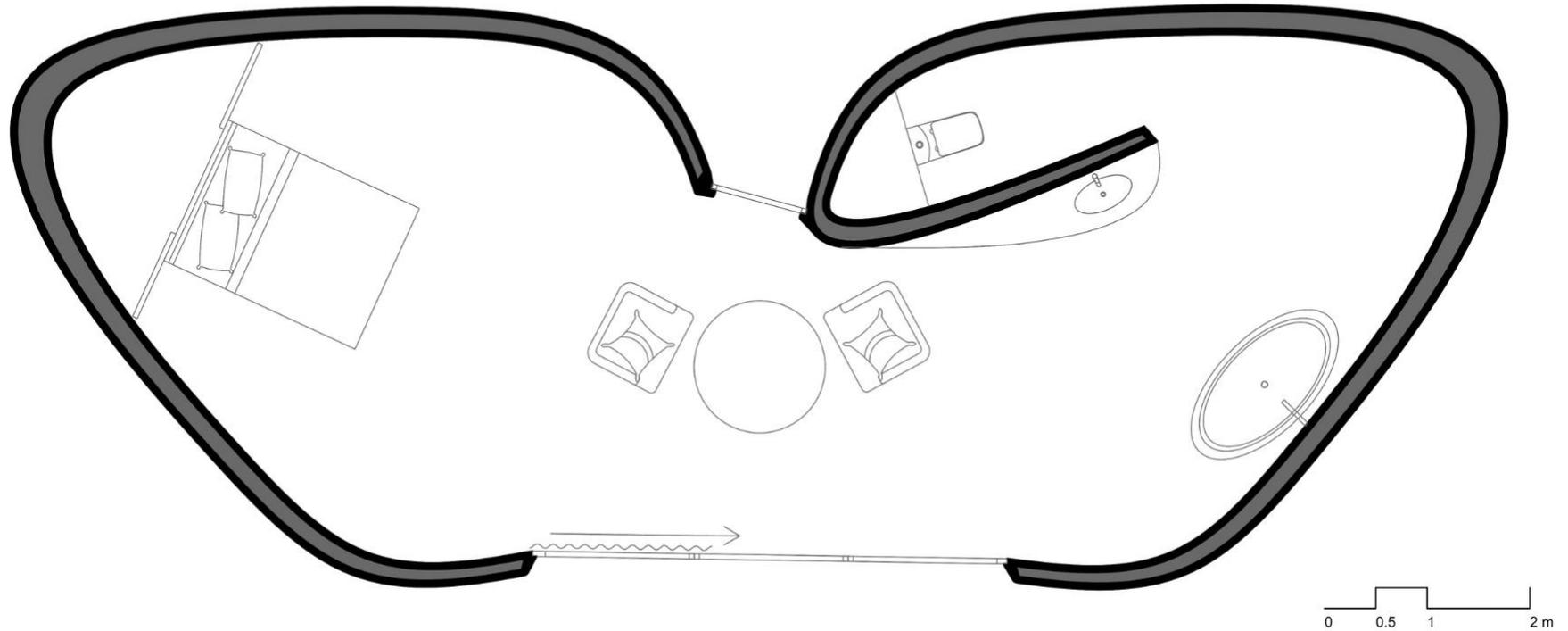
### 3. Coral Glamping **DOUBLE**



### 3. Coral Glamping **DOUBLE**

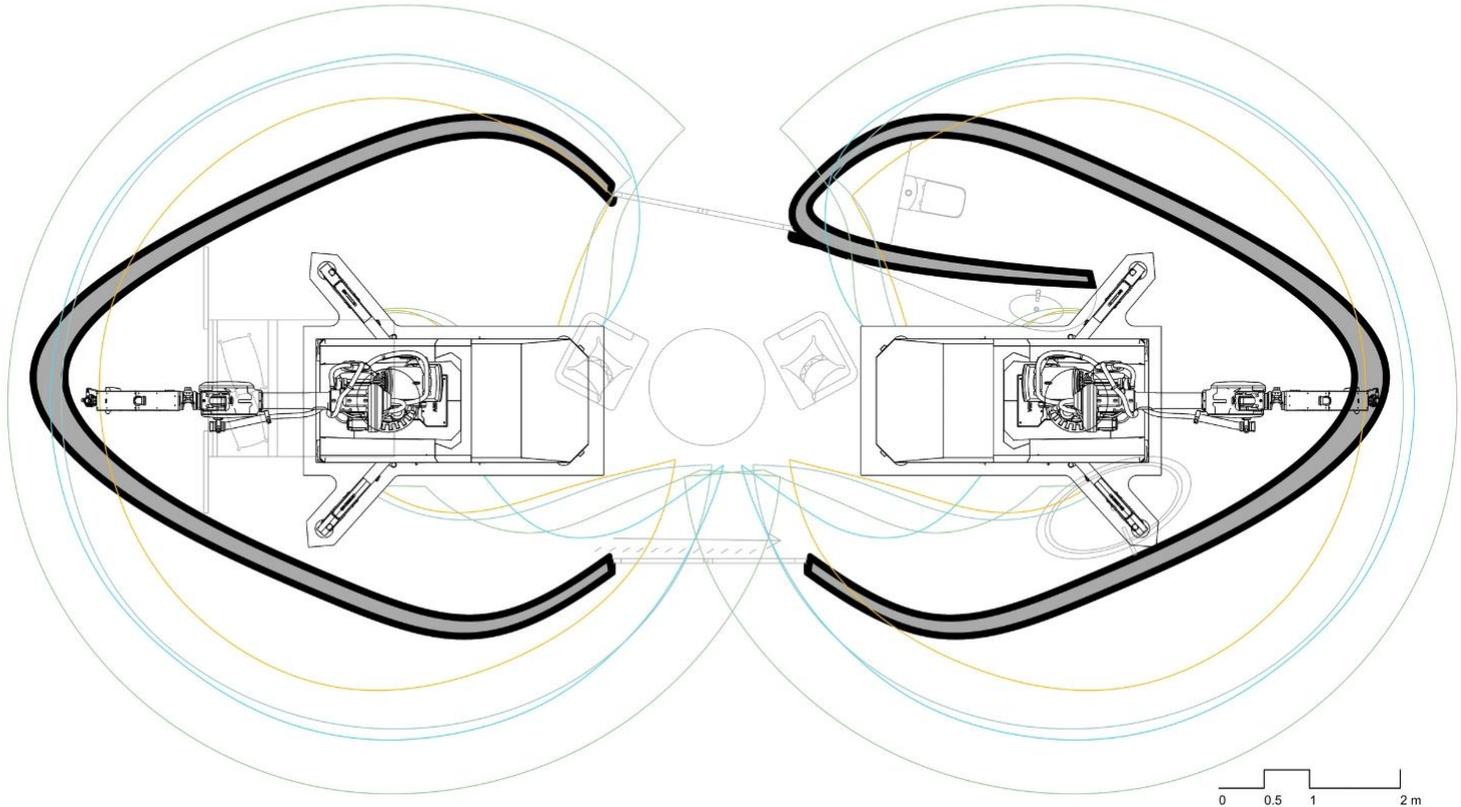


### 3. Coral Glamping **DOUBLE VIEW**

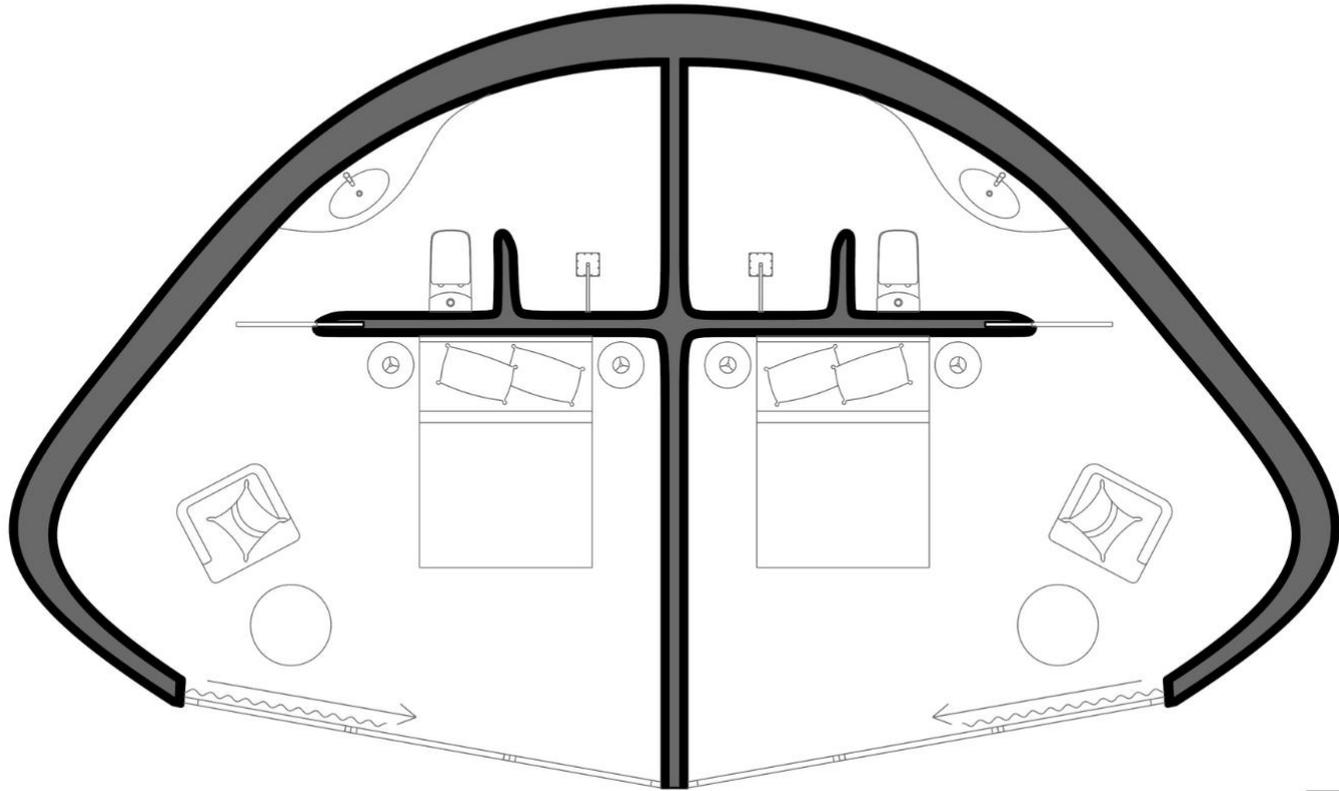


### 3. Coral Glamping **DOUBLE**

2 printing position



## 4. Coral Glamping XL

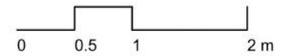
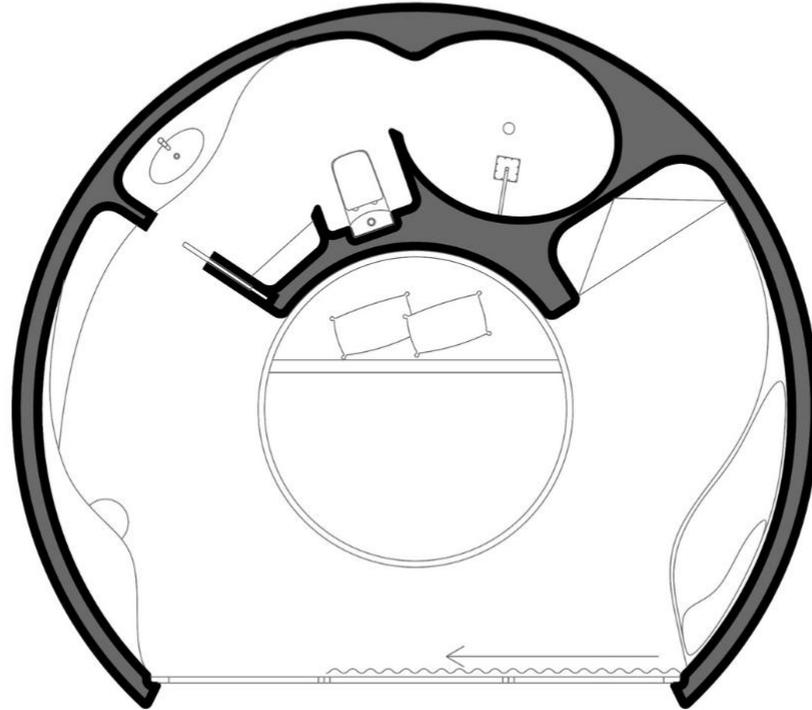


0 0.5 1 2 m

## 5. Coral Glamping SKY

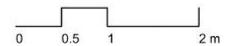
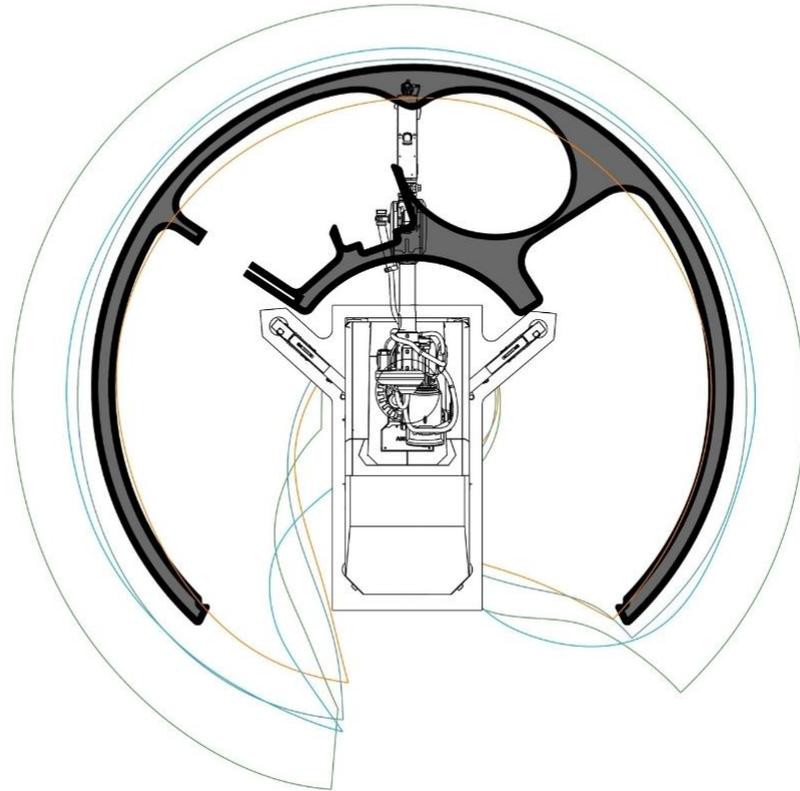


## 5. Coral Glamping SKY

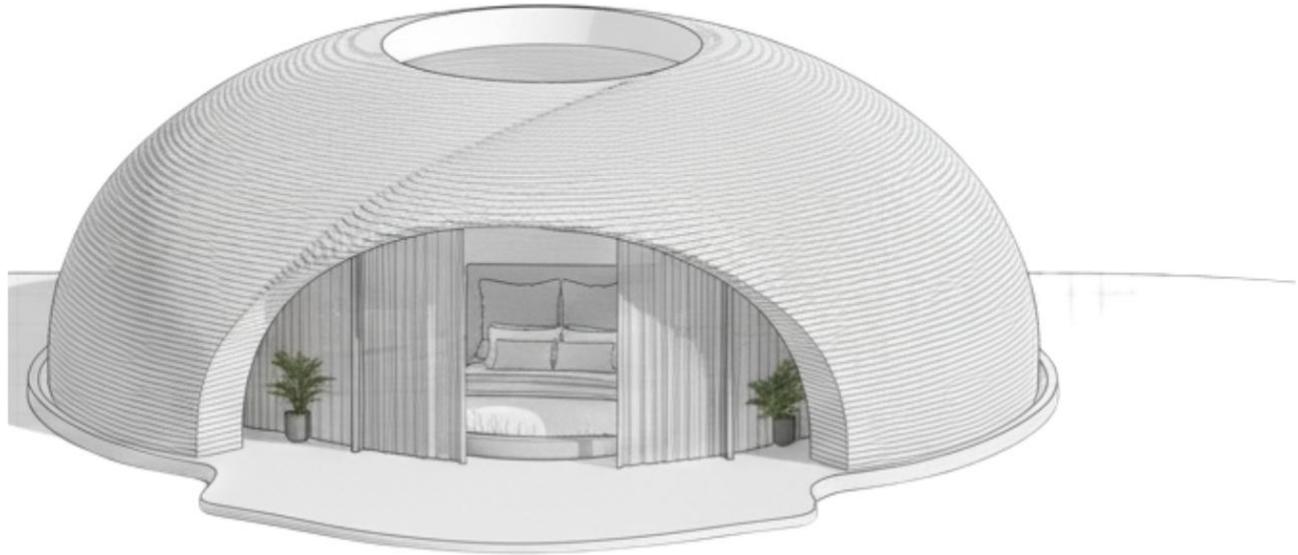


# 5. Coral Glamping SKY

1 printing position

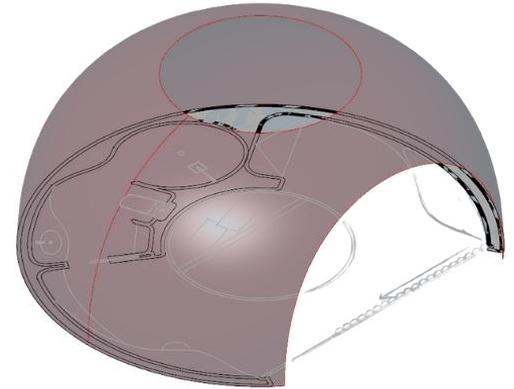
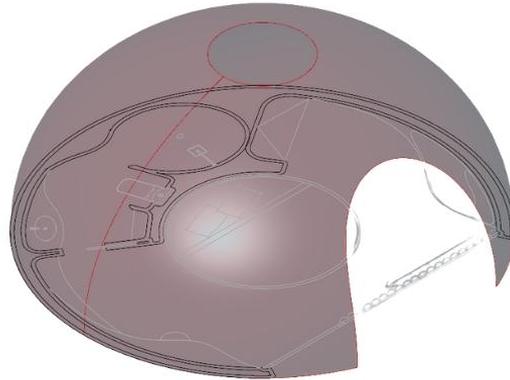
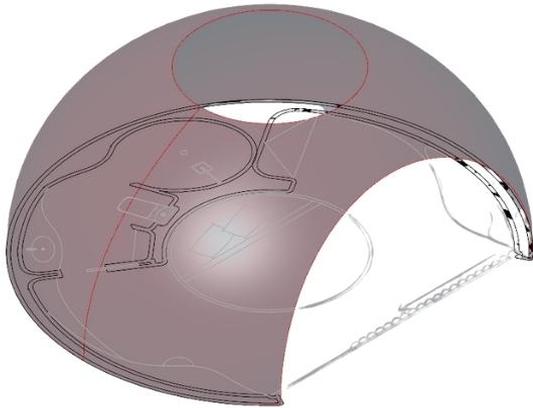


## 5. Coral Glamping **SKY**



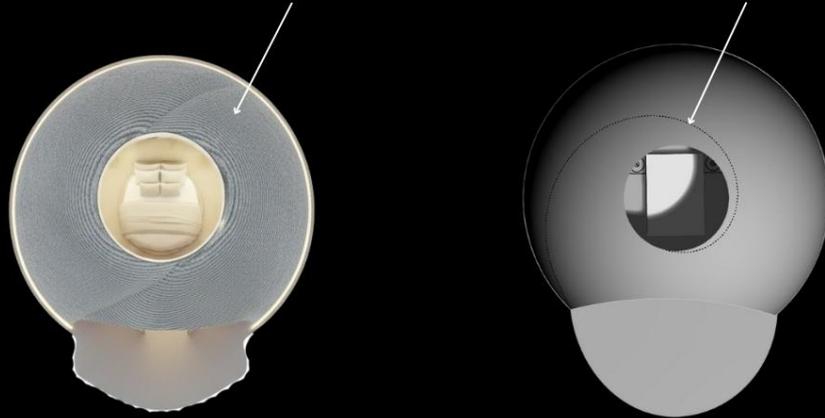
## 5. Coral Glamping **SKY**

parametric model - possible scaling of the oculus and window and whole shape of the pod



## 5. Coral Glamping SKY

pattern on surface



## 5. Coral Glamping **SKY**





# Calculation

1.		SINGLE	22 m2	compact solo , efficient footprint, high turnover potential
2.		LUX	30 m2	upgraded finishes, private deck, optional plunge or spa module
3.		DOUBLE	55 m2	couples' suite with expanded lounge and view-focused entry
4.		XL	47 m2	larger plan for longer stays, family-friendly flexibility
5.		SKY	29 m2	enhanced oculus/skylight experience and elevated viewing features



We would be pleased to  
hear from you. Kindly reach  
out at your convenience.

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