

we are  CyBe

we **redefine** construction

## Table of Content

1. About us
2. Mission & Vision
3. Core Values
4. Video
5. Reference projects
6. Applications
7. Specifications
8. Development
9. Housing concept



*Training.: Learning by doing, 10-day-operating training , in 2020*



we tell our story

# CYBE CONSTRUCTION

# we are CyBe Construction

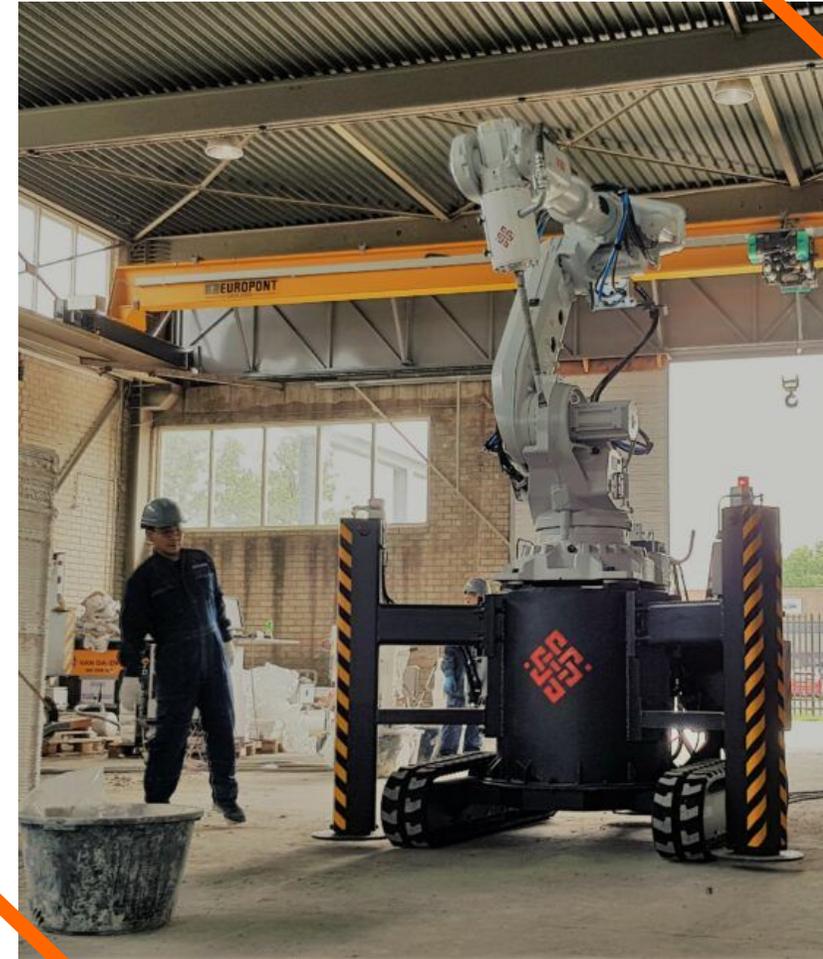
*the Netherlands*

## About us

With software, hardware, and durable materials, CyBe Construction is a technology company for the construction industry.

CyBe began as an idea inspired by a video in 2012. Putting his fascination with building and innovation to the test, the founder and CEO Mr. L.N. Hendriks started planning — and in November 2013, the award-winning CyBe Construction was born. Since then, CyBe has developed hardware, software, building materials, and a digital learning platform, becoming a one-stop-shop for construction innovation such as concrete 3D Concrete Printing and Parametric design as well as a leader in the industry.

CyBe Construction realizes projects that nobody did before - we redefine construction not on our own. Since in construction, 'we' work together.



*Printer: CyBe RC 3Dp - delivered to AIZAWA in Japan, in 2018*

***Have fun, Be amazing, Stay happy and Live long!***

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## Our mission & vision

Mission - We solve current and future problems of economic, natural and social impact in the construction industry. By continuous development of mobile and modular technology we offer 3D-concrete printer solutions and software, to revolutionize traditional construction processes, to redefine construction in a faster, cheaper, higher quality, more sustainable way.

Vision - We are disruptive with the technology we develop, not disruptive in markets. We'll provide our technology and knowledge and facilitate, so others can create. With our solutions it's possible to design today, start printing in a couple of days and the building or object is ready to use within a few weeks only.



*Project: Salone del Mobile - Housing 05 - Milano Italy in 2018*



## Our core values

### Integrity

We act with moral principles by being consistently honest, responsible, respectful, integer and communicative.

We say what we mean and we mean what we say.

### Result driven

We focus on meeting our objectives, delivering to the required time, cost and quality, every day.

### Efficient

We obtain the best possible outcome in the least wasteful manner by thinking before doing, work disciplined, using templates and acting fast to deliver high quality. KISS - Keep It Short and Simple.

### Market orientated

We operate on a global scale. This doesn't mean our way of working is the same for every location. We assess new projects, customers & collaborations. If needed we create business cases to indicate the feasibility. We aim for customers within the Construction industry.



we learn by doing



*Company movie CyBe Construction*



*Timelapse wall print during training, in 2020*



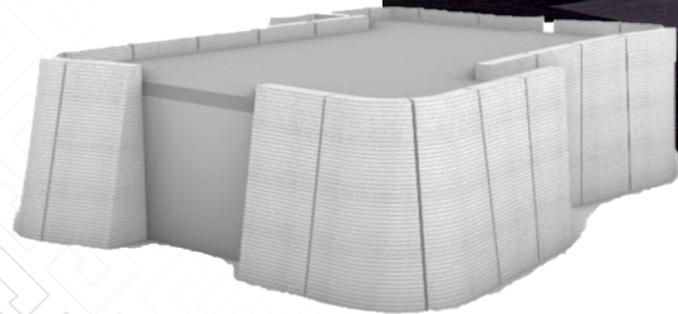
we deliver

# PROJECTS

we deliver

R & Drone Laboratory

Dubai

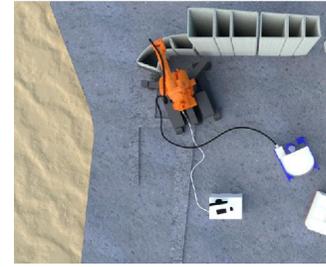
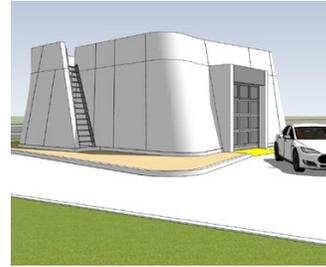
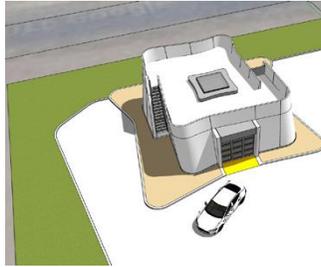


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# UAE | R&Drone Laboratory

DESIGN



TESTING



CONSTRUCTION



FINAL RESULT



**CLIENT**

Dubai Electricity and Water Authority

**WHEN**

Q2 2017

**PRINT DETAILS**

Printed in 46 hours, 3 weeks.  
Printed on site in the Dubai desert.

**DESCRIPTION**

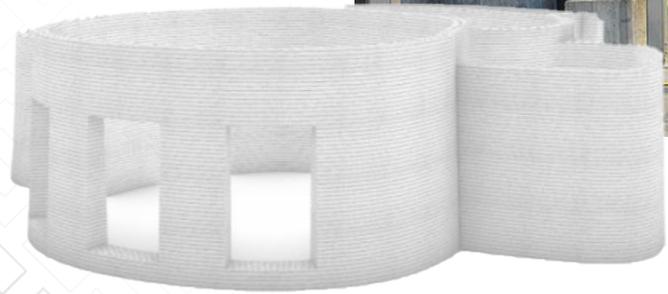
The R&Drone Laboratory is a project that CyBe executed in order of DEWA. CyBe was responsible for the engineering and construction of the building and has delivered the project in the second quarter of 2017.

This laboratory will conduct research on drones and 3D printing technologies and is based at the Solar Park as a part of its Research and Development (R&D) Centre.



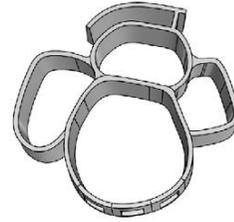
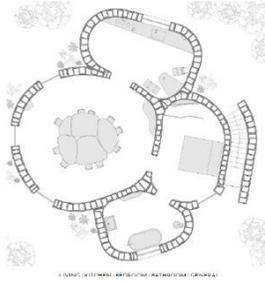
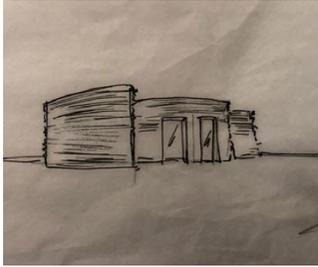
3D Housing 05

Milano, Italy



# ITALY | 3D Housing 05

DESIGN TESTING



CONSTRUCTION



FINAL RESULT



FINAL RESULT



**CLIENT**  
CLS Architetti

**WHEN**  
Q1 2018

## PRINT DETAILS

100 sqm villa  
35 wall elements  
Printed in 46 hours  
Printed on site in Milan, Italy

## DESCRIPTION

In March 2018 we've printed the 3DHousing05 project; a 100 sqm - 4 rooms - villa. The villa consists out of 35 wall elements which were printed on-site at Piazza Beccaria in Milan in only 46 hours.



3D studio 2030

Riyad, Saudi Arabia

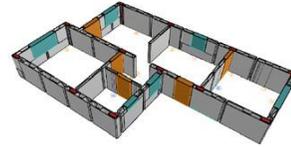
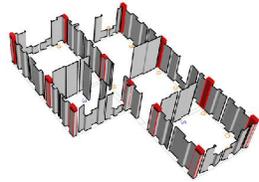


مدينة  
في عالم  
البناء  
المستن



# SAUDI ARABIA | 3D Studio 2030

DESIGN TESTING



CONSTRUCTION



EDUCATION



FINAL RESULT



## CLIENT

Consolidated Contractors Company for the Ministry of Housing

## WHEN

Q3 2018

## PRINT DETAILS

80sqm single bedroom house  
48 elements, 27 walls &  
21 parapets

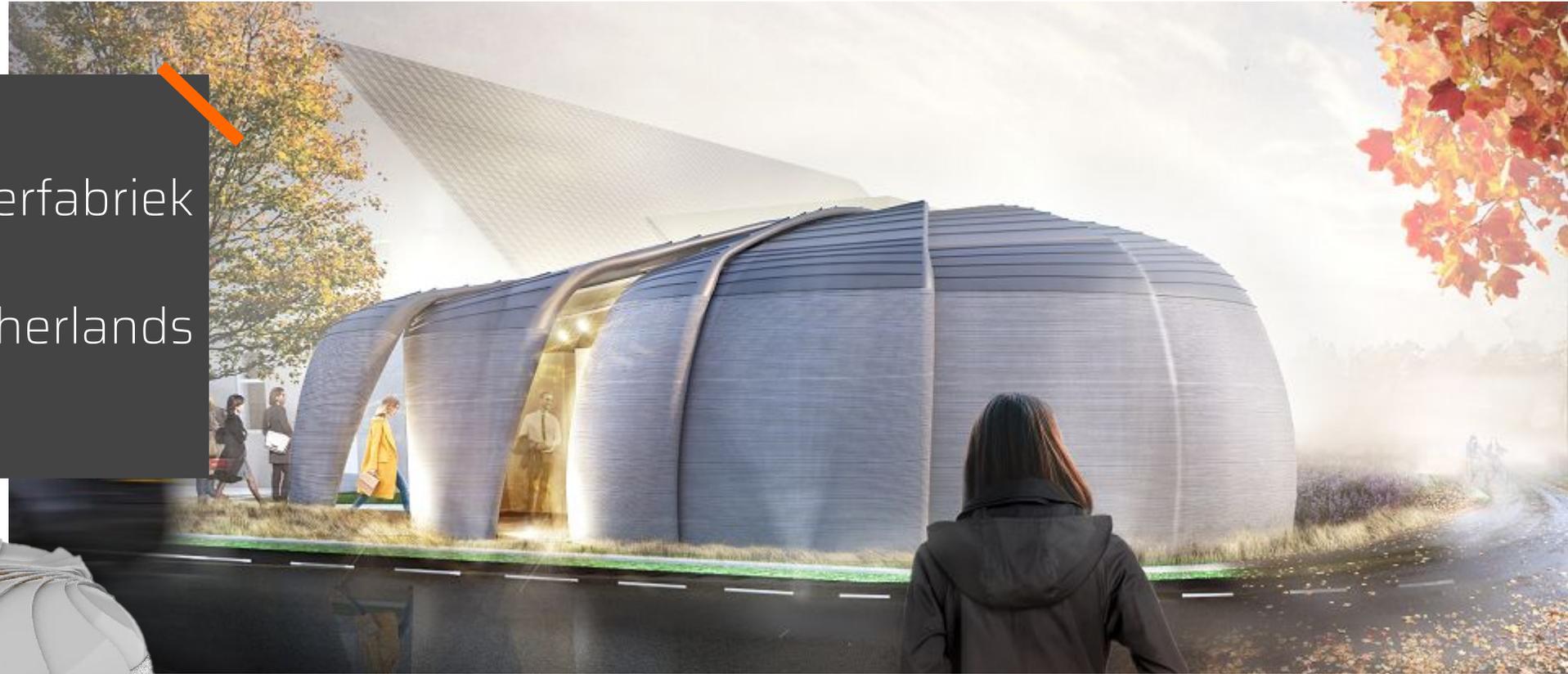
Printed in less than 1 week  
Printed on site in the Saudi  
desert

## DESCRIPTION

3D Printed Homes set to become mass production solutions, thanks to a world-first project with CCC testing the technology in mainstream construction This 80 sqm single bedroom house consists of 48 elements - 27 walls and 21 parapets - which were printed on-site in Saudi within only one week.

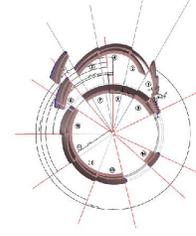
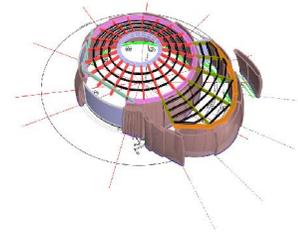
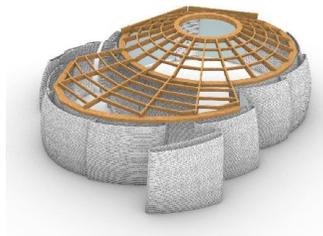
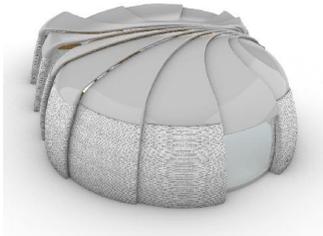


De Vergaderfabriek  
Teuge, The Netherlands



# NETHERLANDS | De Vergaderfabriek

DESIGN



CONSTRUCTION



CONSTRUCTION



INSULATION & RINGBEAM



## CLIENT

Center4Moods &  
De Slaapfabriek

## WHEN

2018 - 2019

## PRINT DETAILS

100 sqm meeting space  
14 double curved wall  
elements  
Printed in 10 days  
Printed on site in the  
Netherlands

## DESCRIPTION

De Vergaderfabriek is a 100 sqm building which was established by CyBe Construction B.V. in collaboration with Revelating, The Form Foundation, and Witteveen&Bos, in the execution of Center4Moods.



we collaborate

# APPLICATIONS

Artificial Reef



# NETHERLANDS | Artificial Reef

RESULT



LIFTING



LIFTING



TRANSPORT



**CLIENT**  
Confidential

**WHEN**  
Q3 2018

## PRINT DETAILS

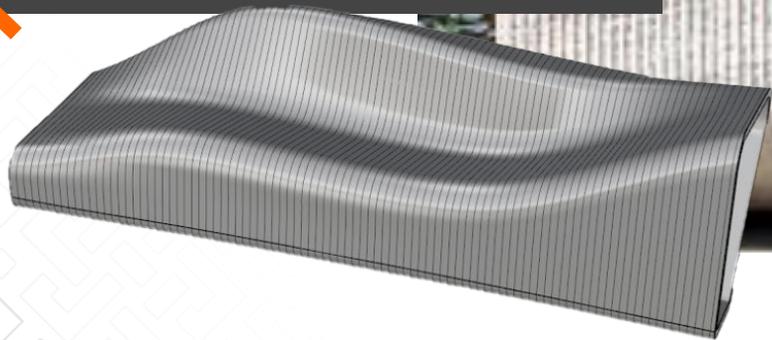
The outer dimensions of the modules are 1050 mm x 1050 mm x 1050 mm

## DESCRIPTION

At the request of this company (confidential), CyBe has printed a series of 3 artificial reef modules. The modules were printed in CyBe's R&Do facility in the Netherlands and afterwards transported to the customer. We believe this particular process of serial printing is the way prefab factories will work in the future.



Street Furniture  
The Netherlands



# NETHERLANDS | Street Furniture

DESIGN



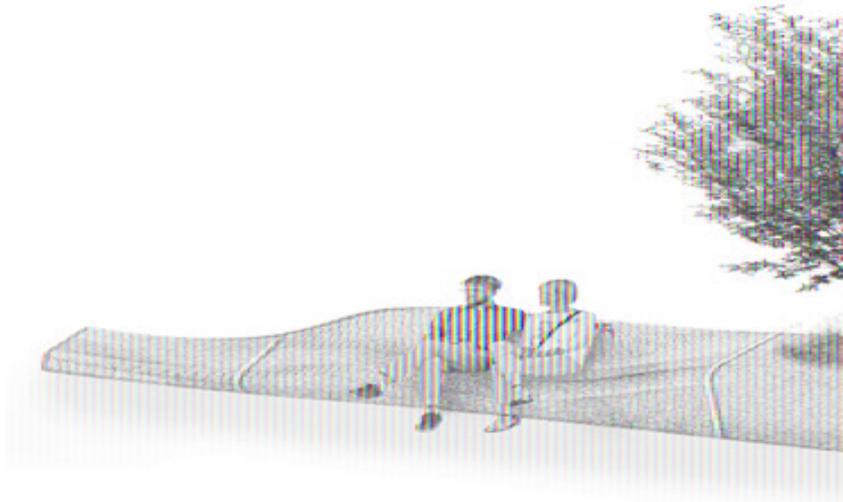
CONSTRUCTION



RESULT



FINAL RESULT



**CLIENT**  
Dura Vermeer

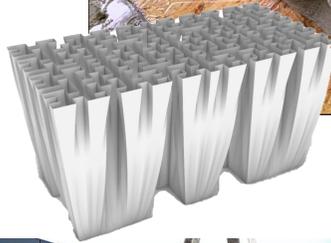
**WHEN**  
Q3 2017, Q1 2018, Q3 2018

**PRINT DETAILS**  
35 minutes of printing per bench, 10 benches within 1 working day

**DESCRIPTION**  
At the request of Dura Vermeer CyBe has printed a series of 5 concrete city benches today. After the print at the exact location in Haarlem, The Netherlands, they were so excited and ordered 5 extra benches. This time the benches were printed in CyBe's R&Do Lab instead of printing on site. We believe this particular process of serial printing is the way prefab factories will work in the future.



# we design & print



# SPECIFICATIONS

## Learning by doing CyBe MORTAR

The CyBe MORTAR has been specifically developed for the purpose of 3Dconcrete printing. During the development process both the materials as well as the structures have been tested thoroughly in Europe and abroad!. CyBe MORTAR achieves strength similar as regular concrete does in 28 days within 24 hours!

CyBe MORTAR is a high-performance, single purpose material. Durable in all environments, CyBe MORTAR is non-metallic with a very low chloride and sulphate content. Use CyBe MORTAR with a 3Dconcrete printer to produce high durability objects where low shrinkage is desired. CyBe MORTAR sets in 3 minutes and achieves structural strength in 1 hour. As a result we can build faster, durable and affordable!



*Project: full scale tests in the Netherlands executed in 2018 & 2019*

we test forms

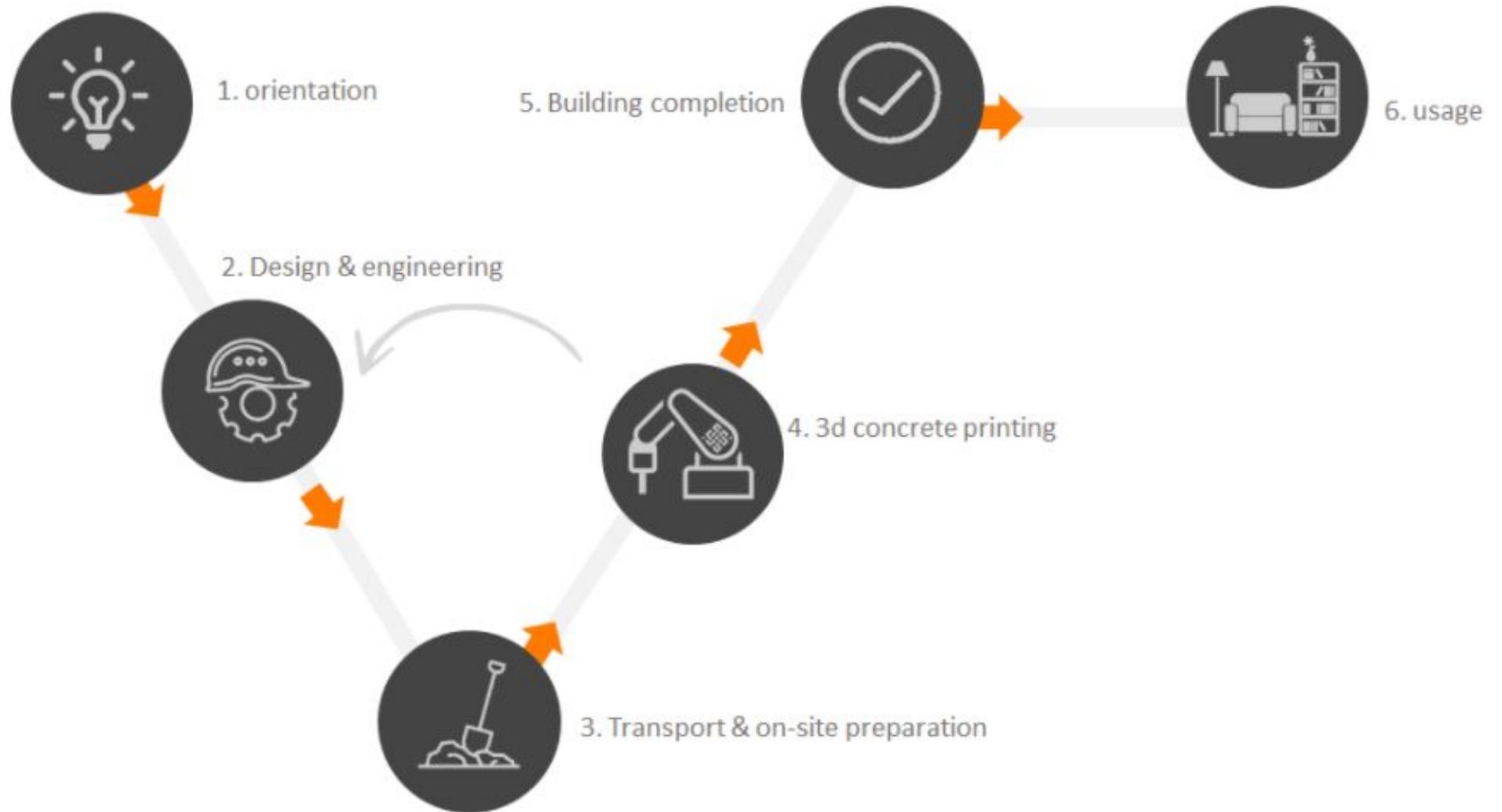


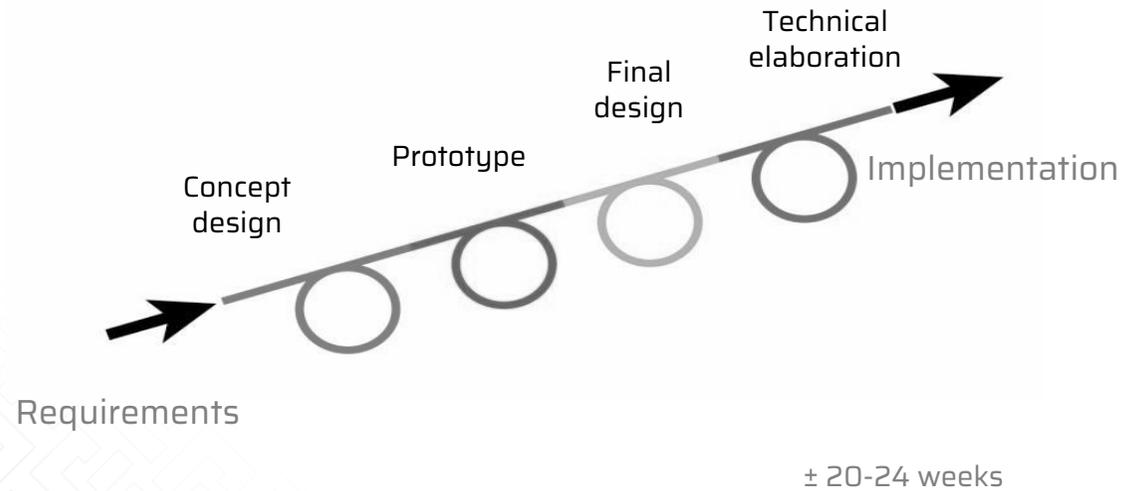
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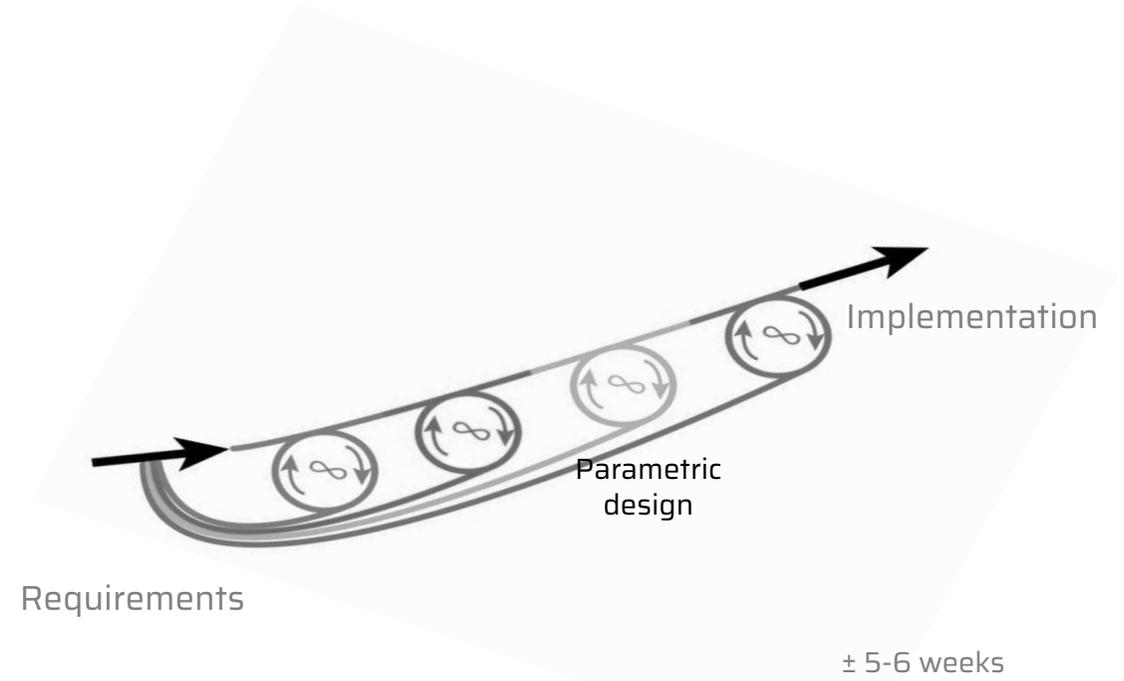
we develop

DEVELOPMENT



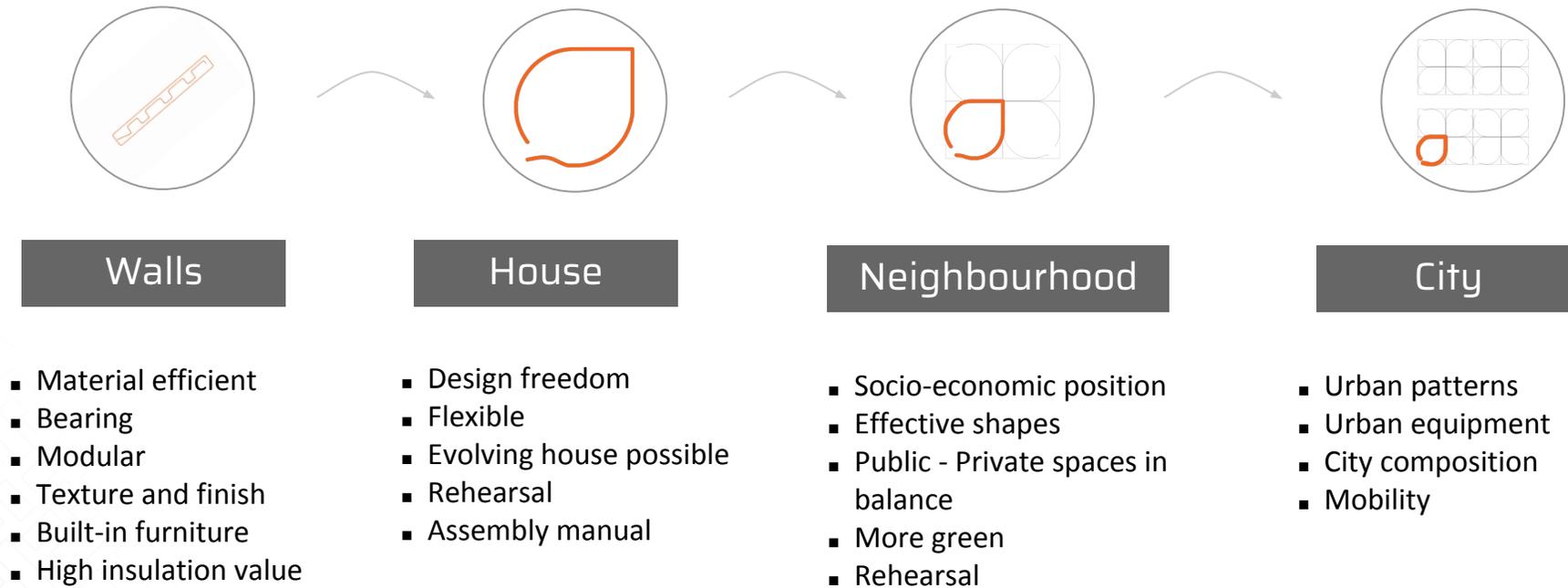


Traditional process



CyBe' process

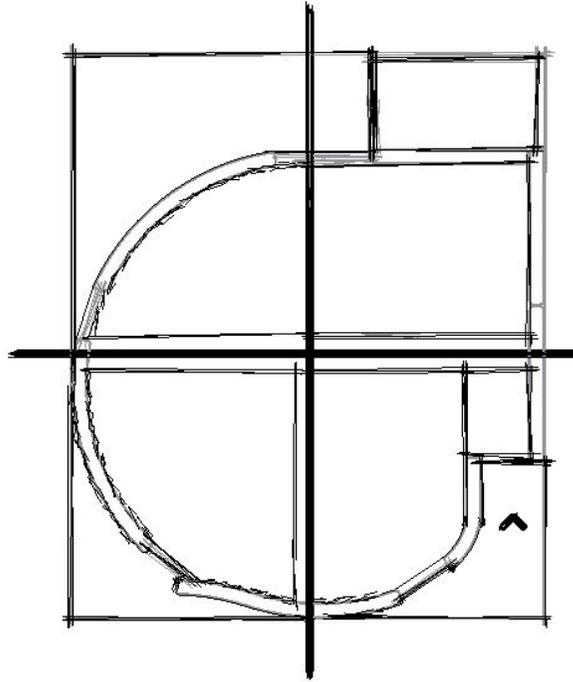




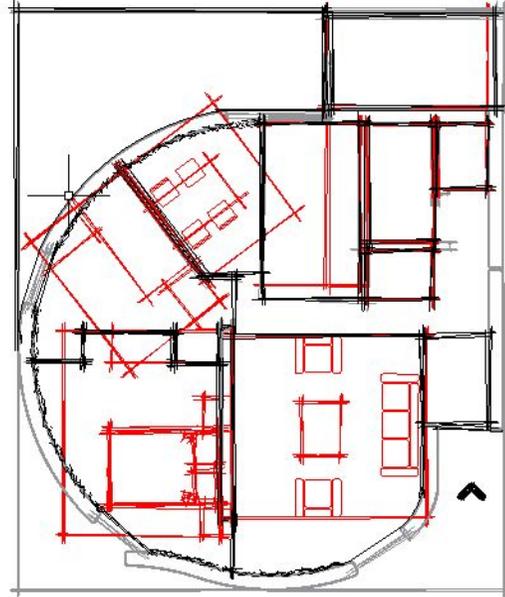
we create

# HOUSING CONCEPTS

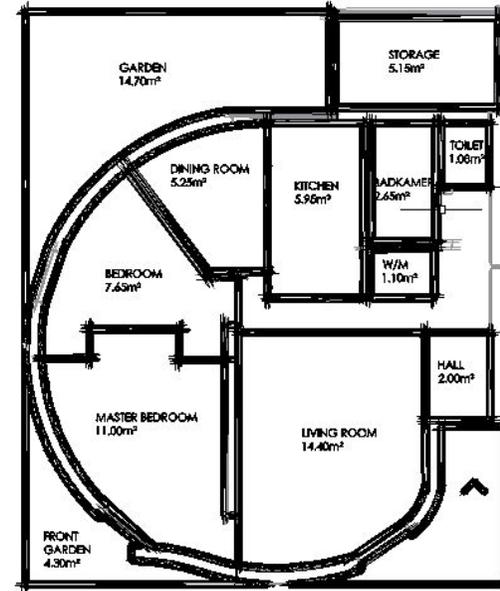
Circular concept



Adapt to wishes

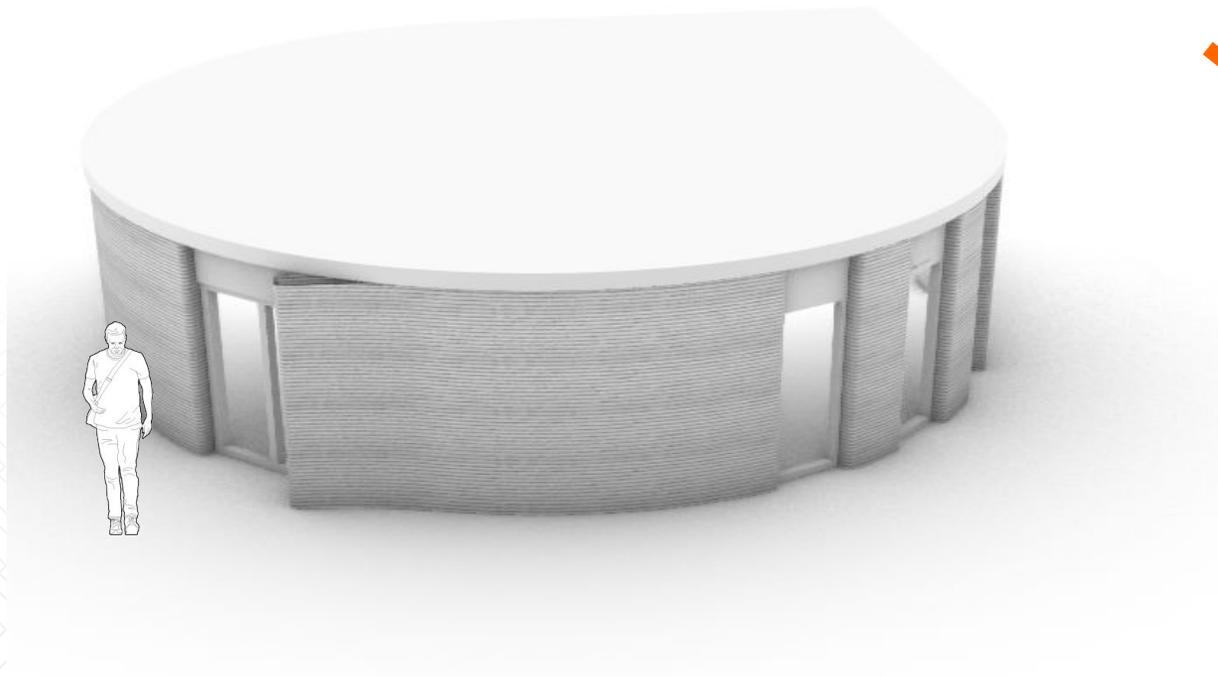


Dimensions functional



Dwelling circulation & space-interactions





## LEAF

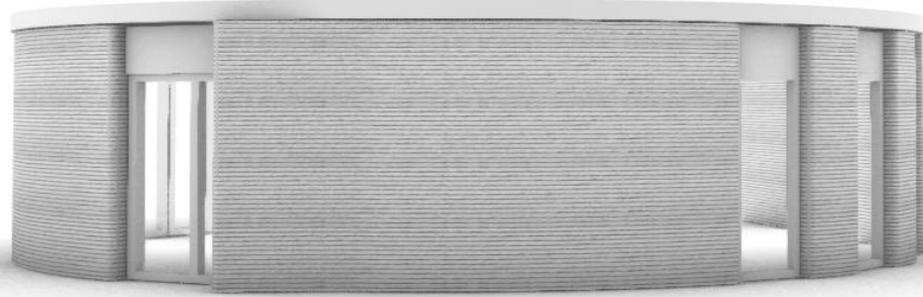
SIZE: 9.00 x 9.00m - 68m<sup>2</sup>

PROGRAM:

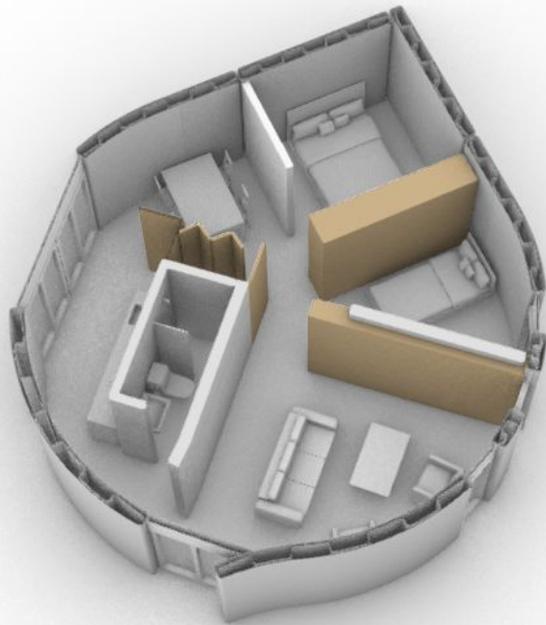
- Master bedroom
- Bedroom
- Bathroom
- Kitchen
- Livingroom
- Dining Room
- Laundry area
- Hall

PRINTED ELEMENTS: 11

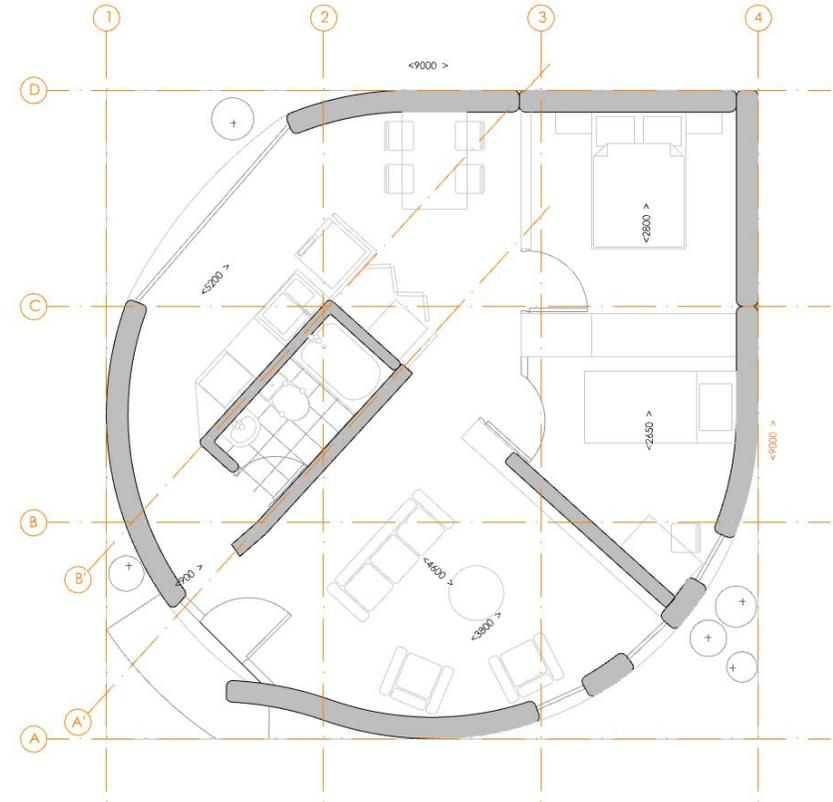
PRINTING TIME: 5 days



FRONT FACADE

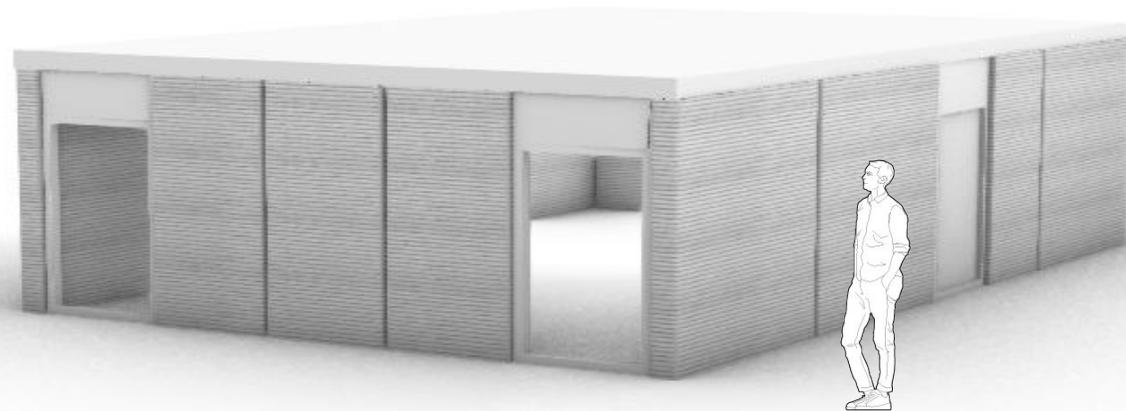


AXONOMETRY



GROUND FLOOR PLAN





## ROW

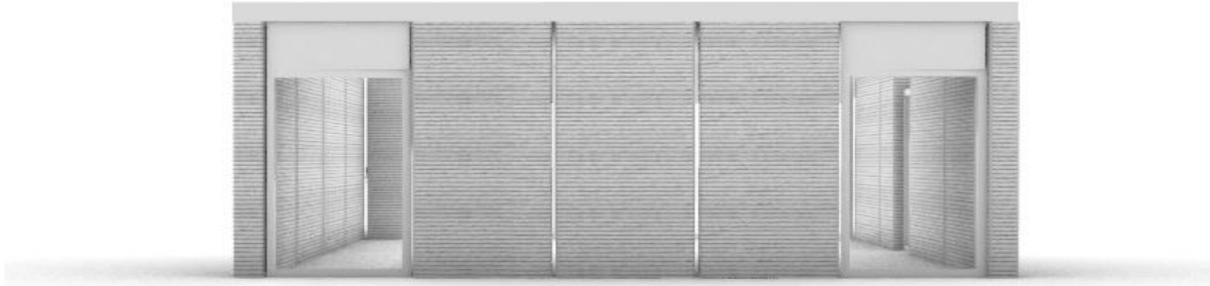
SIZE: 9.60 x 6.00m - 60m<sup>2</sup>

PROGRAM:

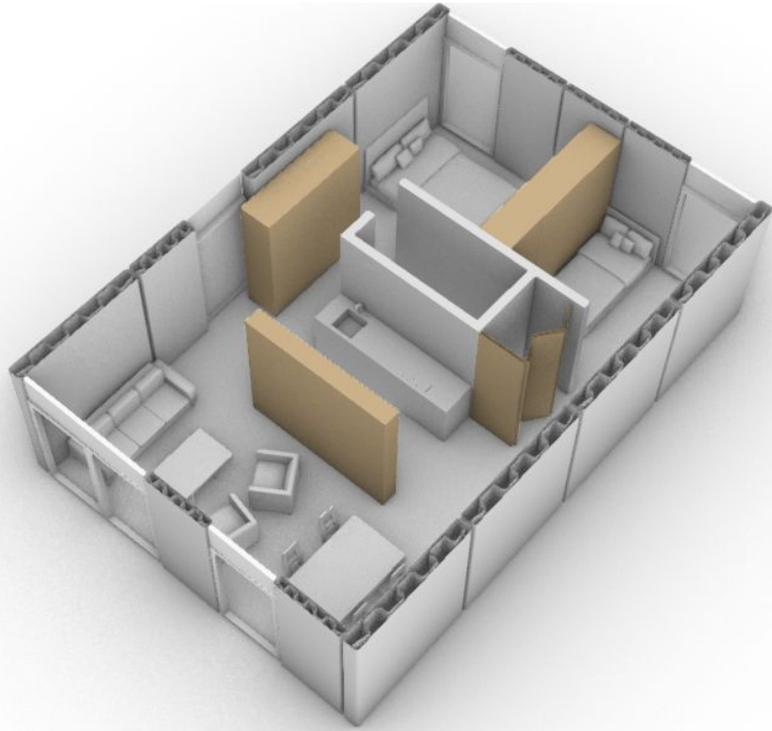
- Master bedroom
- Bedroom
- Bathroom
- Kitchen
- Livingroom
- Dining Room
- Laundry area
- Hall

PRINTED ELEMENTS: 13

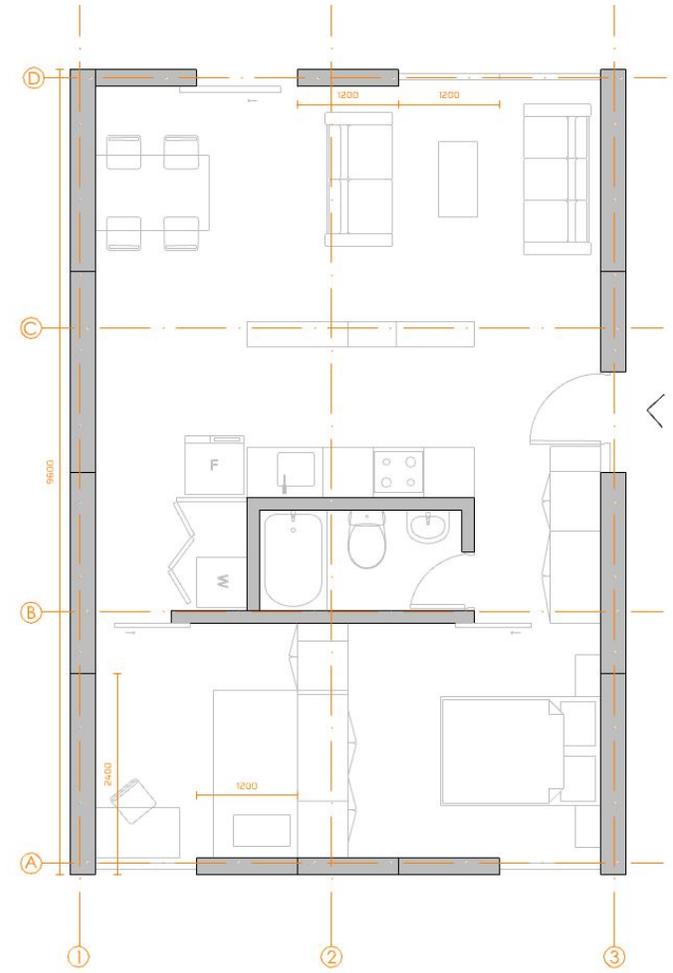
PRINTING TIME: 5 days



FRONT FACADE

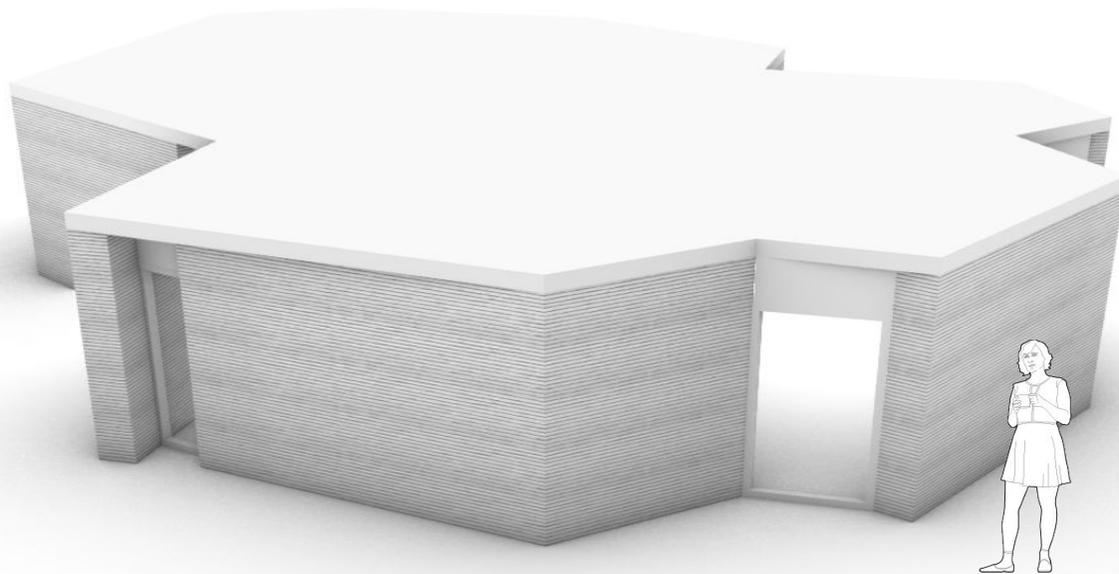


AXONOMETRY



GROUND FLOOR PLAN





## ROBUST VILLA

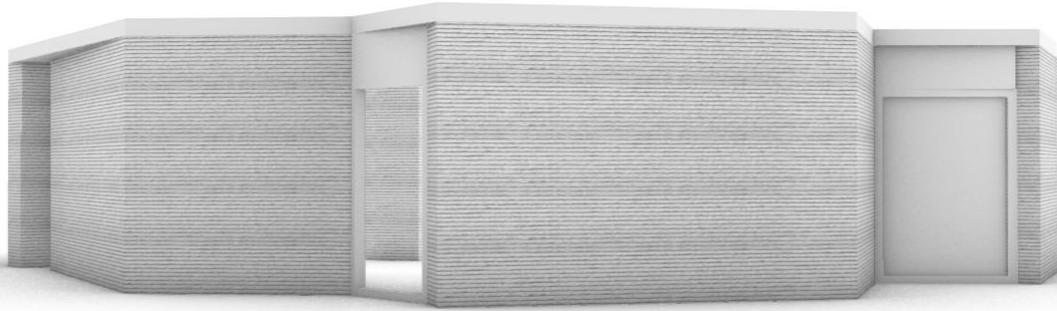
SIZE: 10.00 x 10.00 - 105 m<sup>2</sup>

PROGRAM:

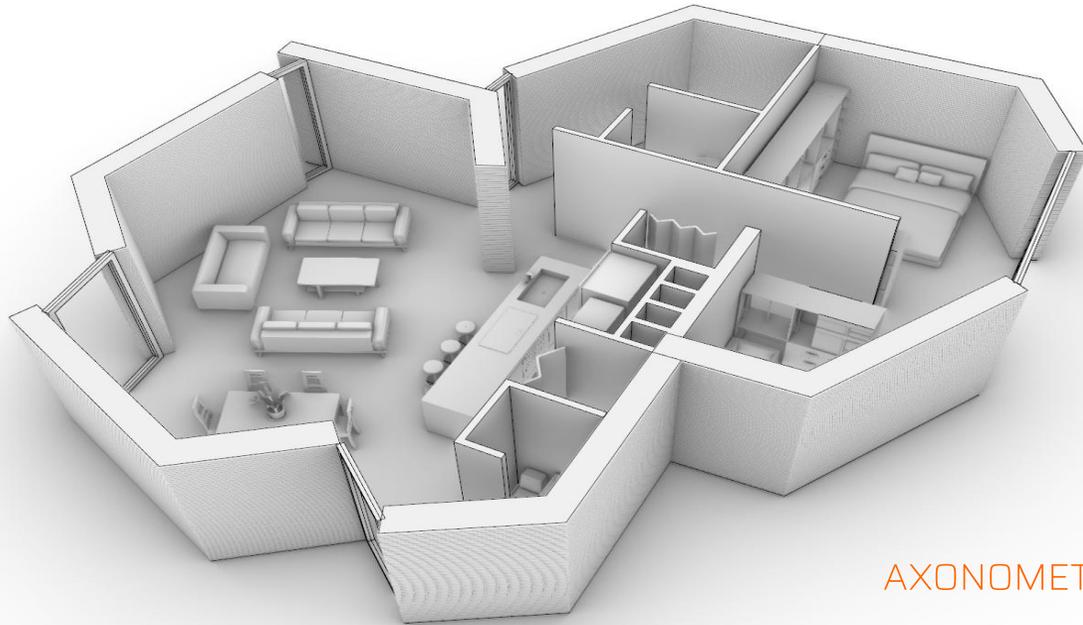
- Master bedroom
- Bedroom
- 2 Bathrooms
- Kitchen
- Livingroom
- Dining Room
- Laundry area
- Hall

PRINTED ELEMENTS: 7  
PRINTING TIME: 4 days

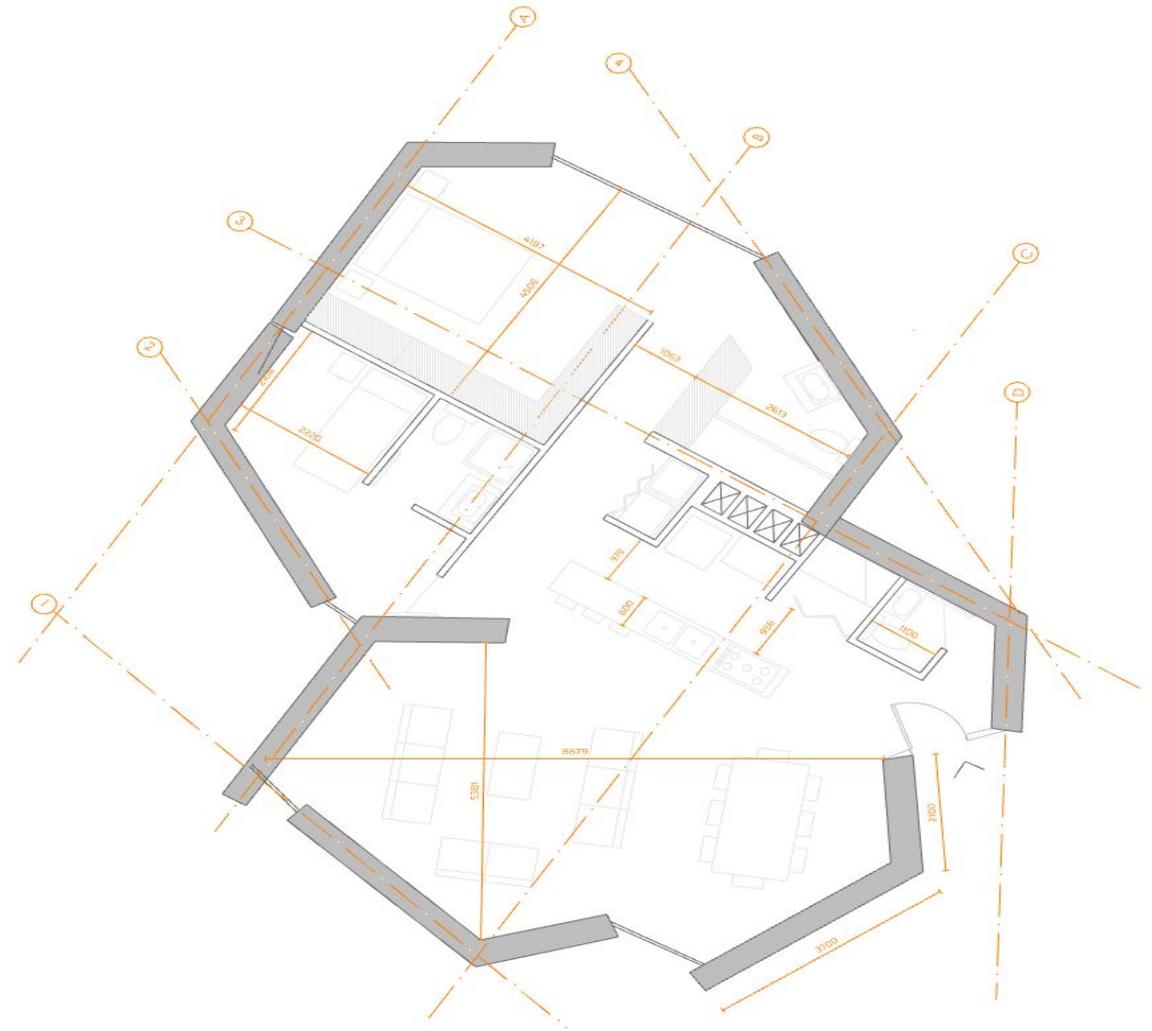
# we create | Robust Villa



FRONT FACADE

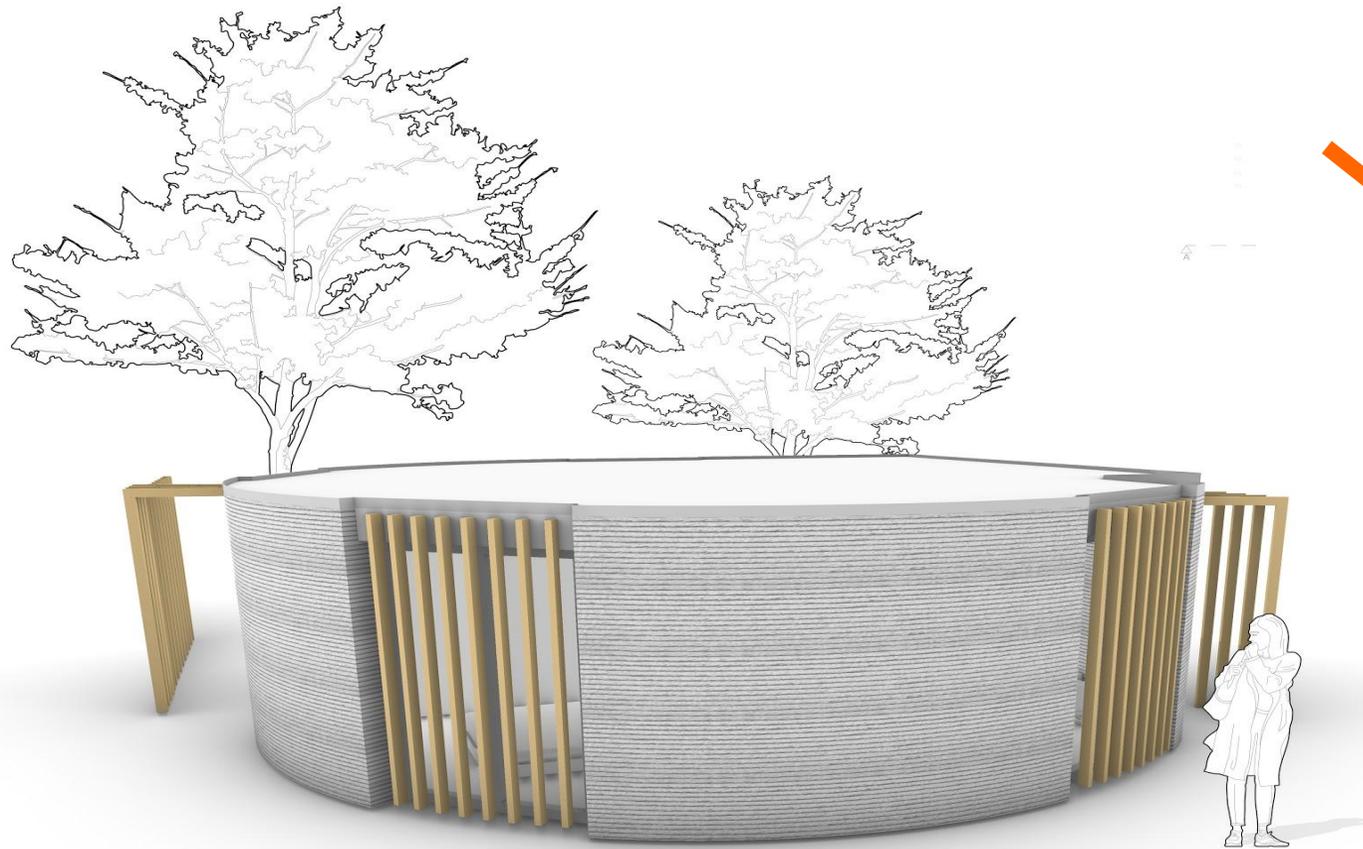


AXONOMETRY



GROUND FLOOR PLAN





## ▮ PATIO BUNGALOW

SIZE: 9.00 x 10.00m - 80m<sup>2</sup>

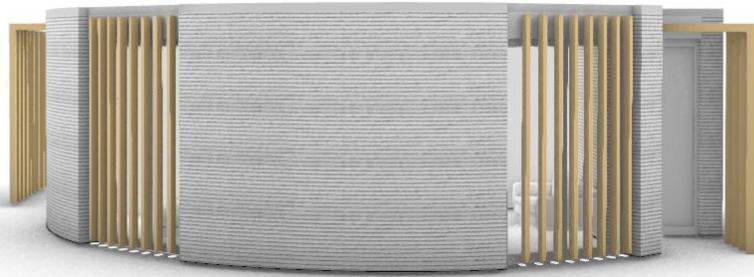
PROGRAM:

- Master bedroom
- Bedroom
- Bathroom
- Kitchen
- Livingroom
- Dining Room
- Laundry area
- Hall

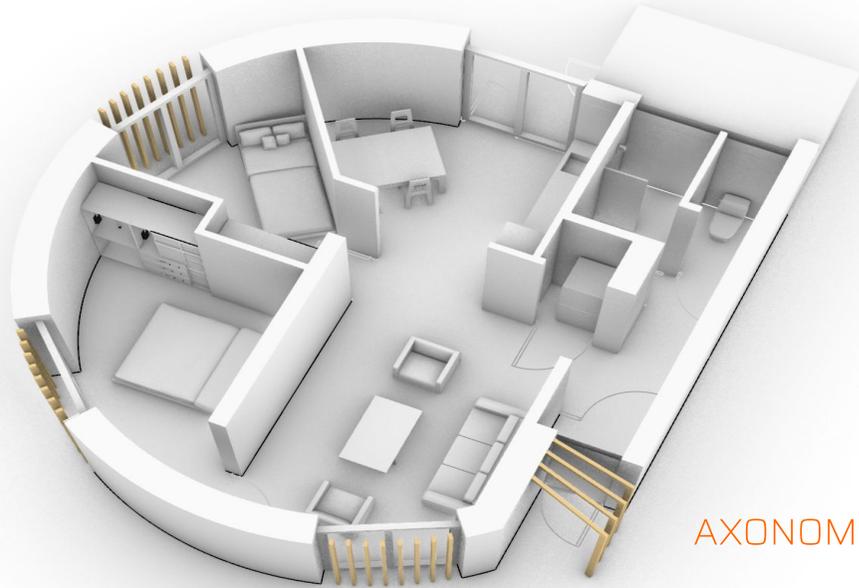
PRINTED ELEMENTS: 9

PRINTING TIME: 5 days

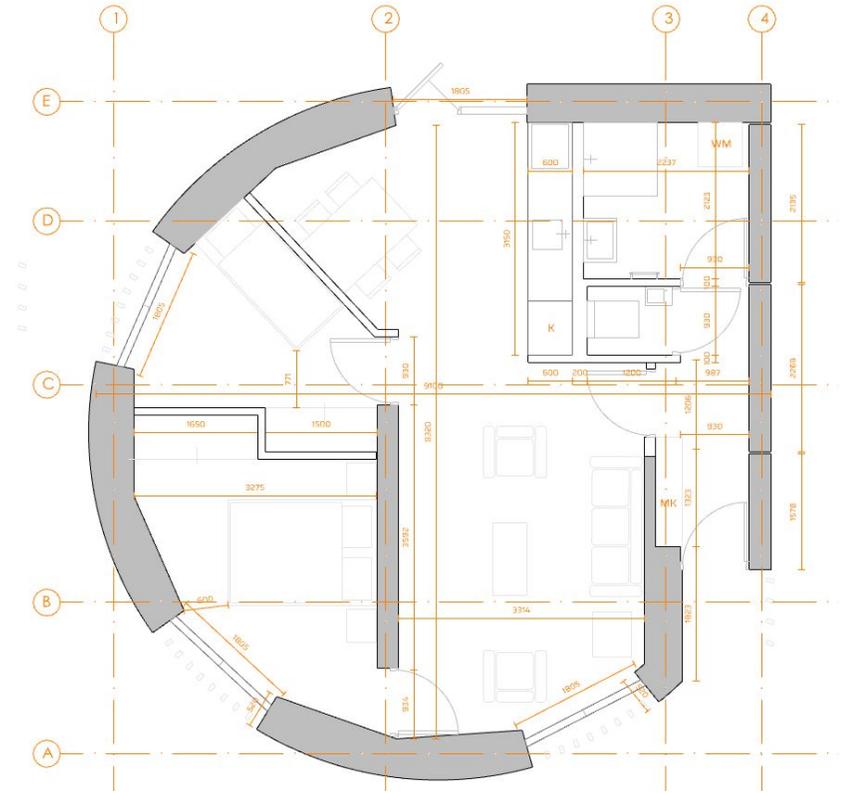
# we create | Patio Bungalow



FRONT FACADE



AXONOMETRY



GROUND FLOOR PLAN





Have fun,  
Be amazing,  
Stay happy  
and Live long!