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MAKING PLASTIC

LAST

NOT TRASH

**DO YOU KNOW WHERE YOUR
PLASTIC WASTE GOES?**

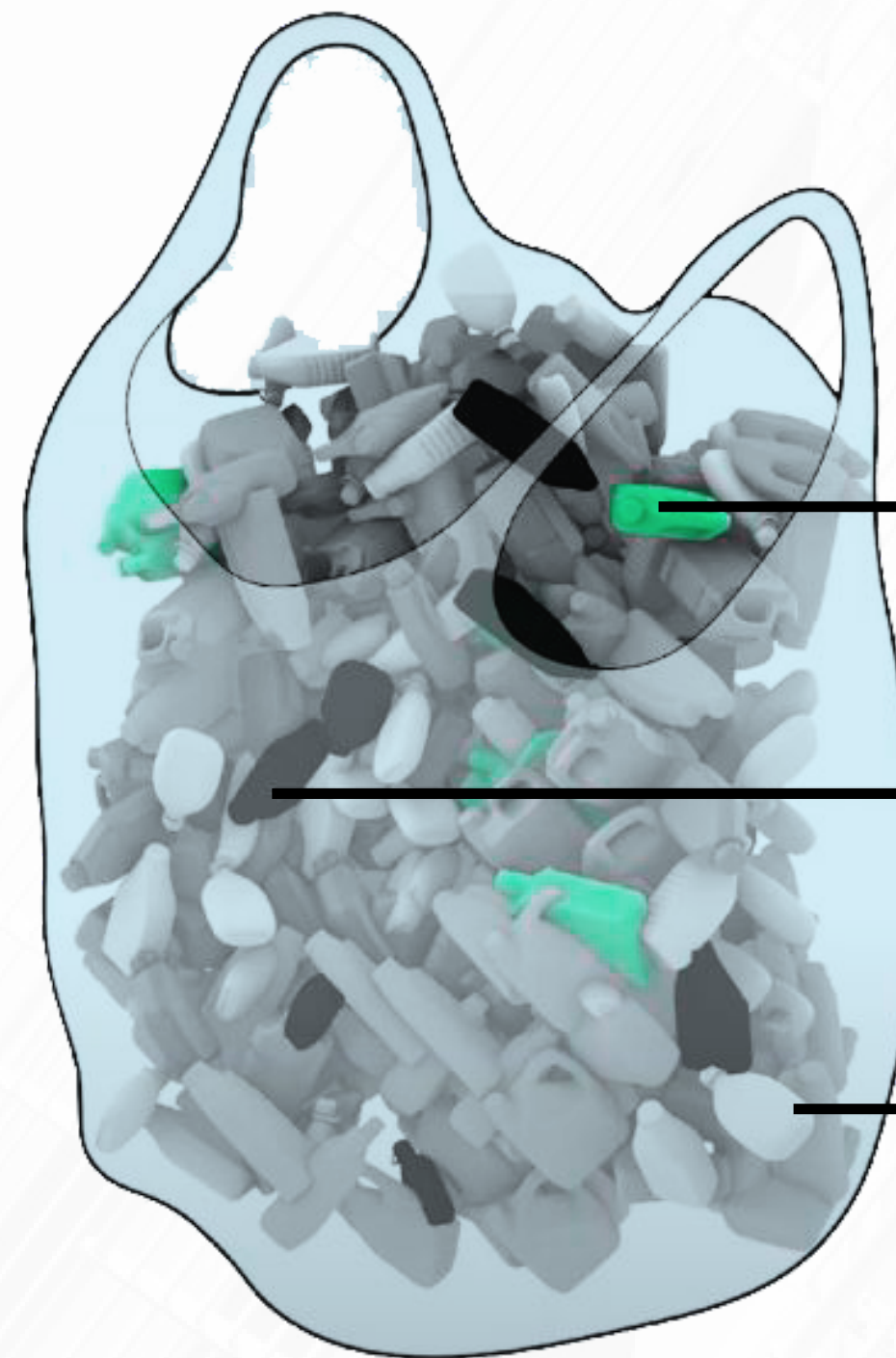
IF YOU DON'T, STICK AROUND

IF YOU DO, HERE'S SOME DATA...



**SPAIN THROWS
125T OF PLASTIC
INTO THE SEA
EVERY DAY!**
"EL PAIS"

THE CURRENT RECYCLING PROCESS IS:



9%
is recycled

12%
is incinerated

79%
ends in
landfills

**OPAQUE
NOT ENOUGH
NOT EFFICIENT**

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THE SOLUTION

→ **3Dloop**

BECAUSE...

A large pile of scrap metal and plastic debris in a recycling facility. The debris is a mix of various materials, including metal sheets, plastic fragments, and other industrial waste, all piled together in a large container or pile. The background shows the structure of a recycling plant with metal beams and corrugated metal walls.

WE TURN THIS

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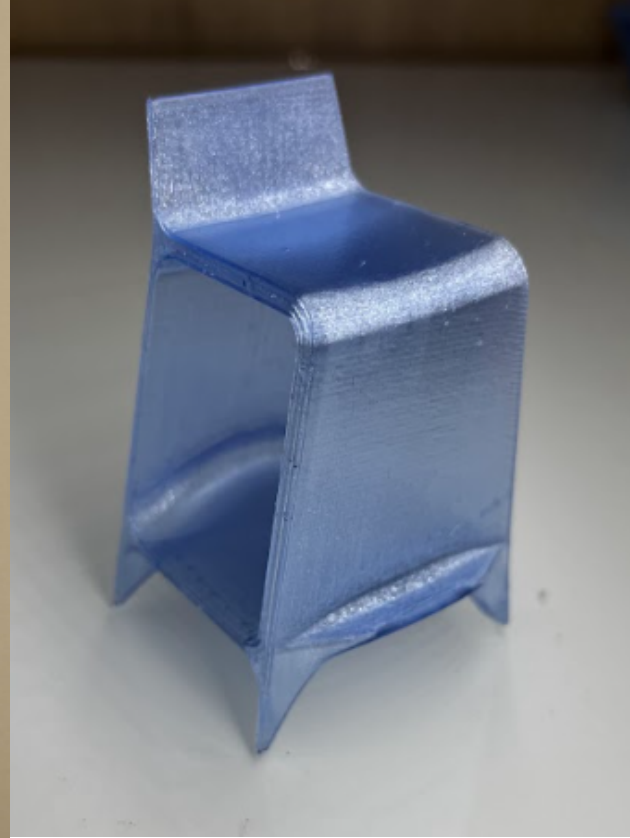
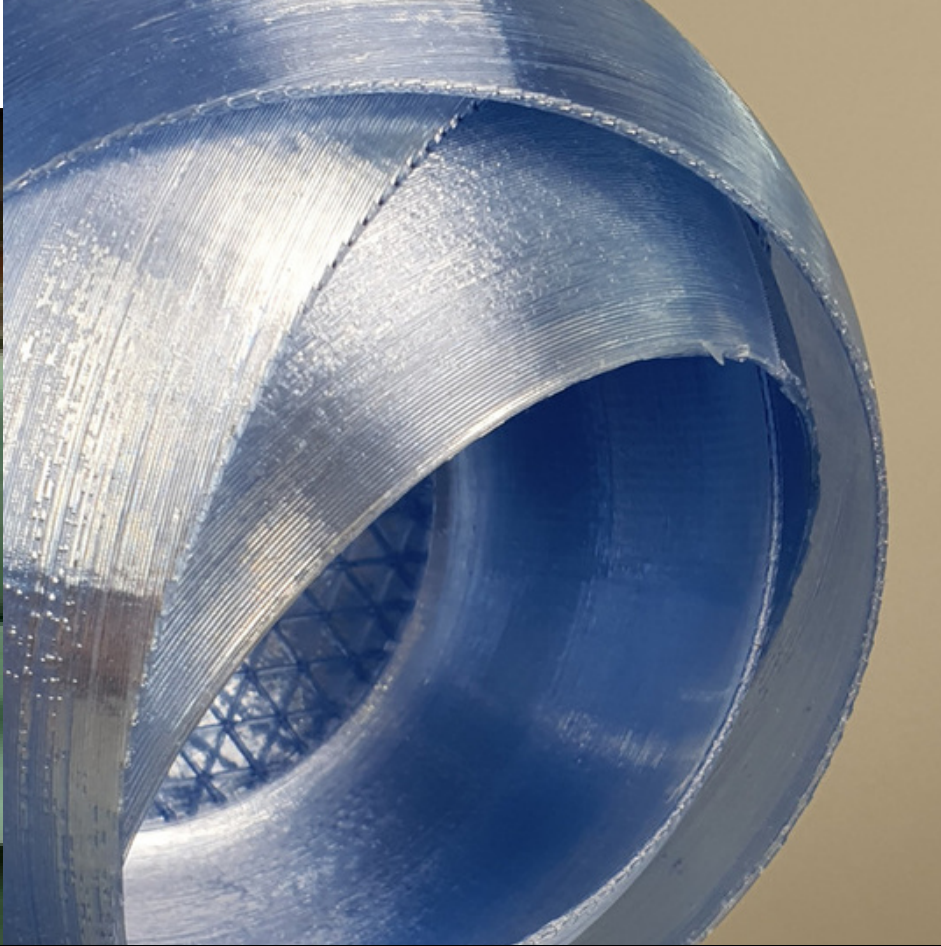
INTO THIS

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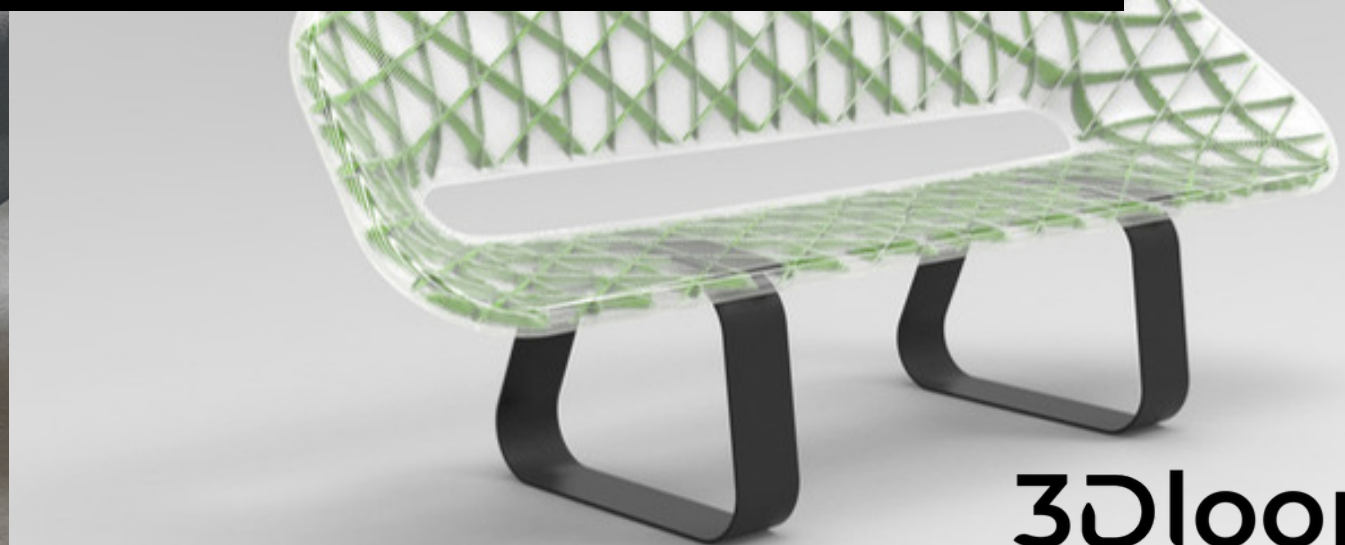


OR THIS

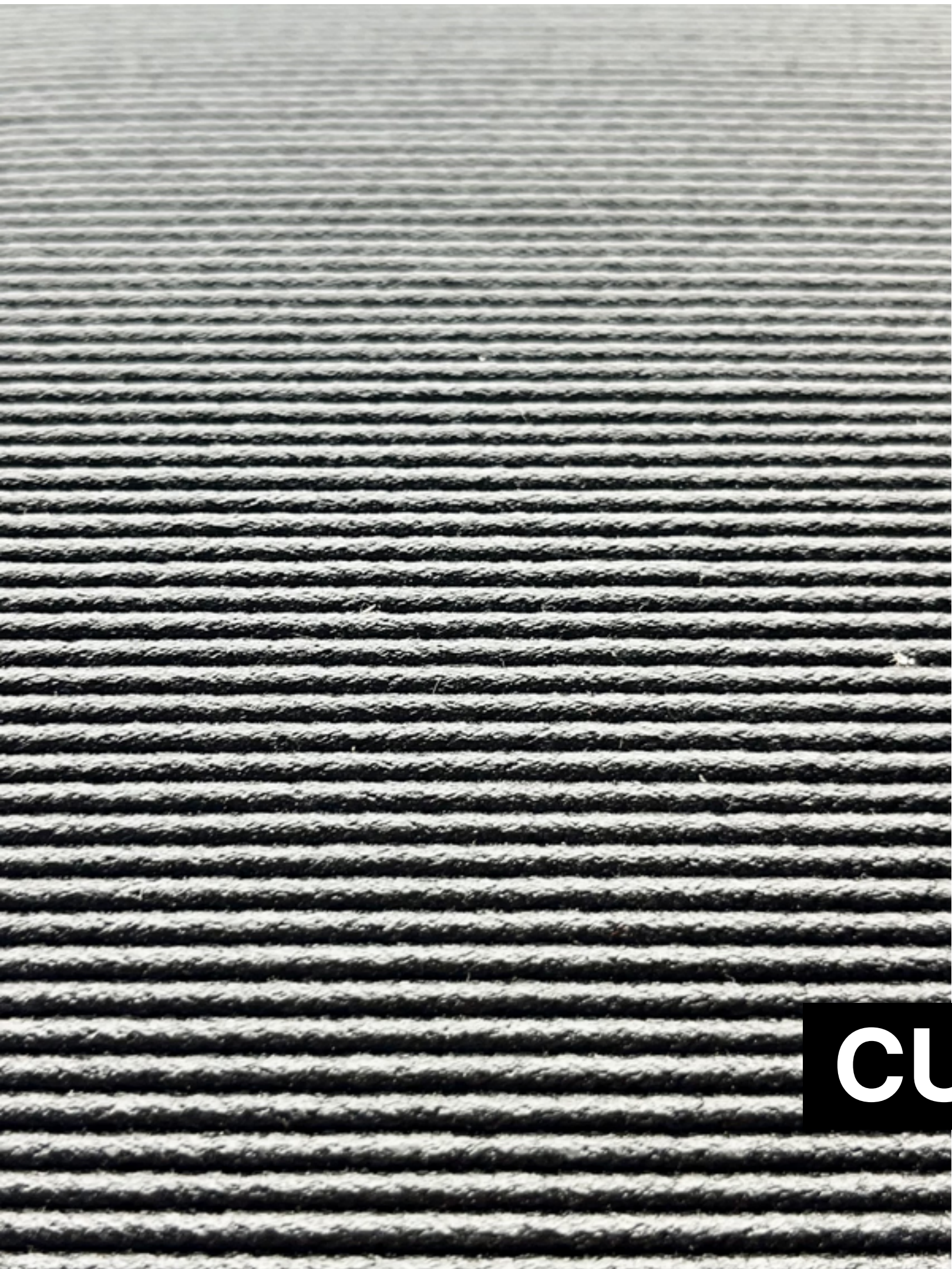
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**OR INTO ALMOST ANYTHING
THE CUSTOMER MAY REQUIRE**



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TAILOR-MADE

ON DEMAND

MADE LOCALLY

WITH STYLE

LOW COST

TRAZABLE

CUTTING CO2 FOOTPRINT

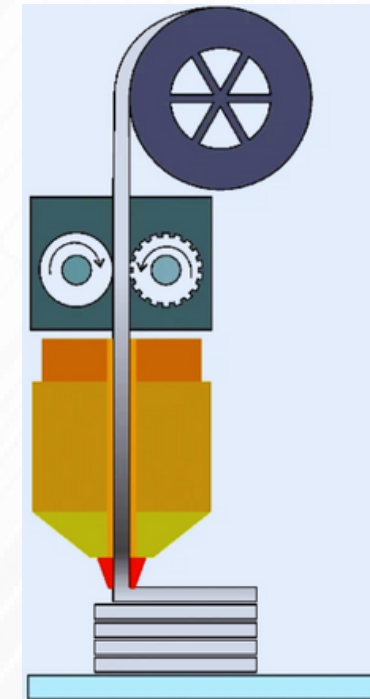
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HOW?

WITH OUR OWN FGF 3D PRINTERS

FFF

FUSED
FILAMENT
FABRICATION

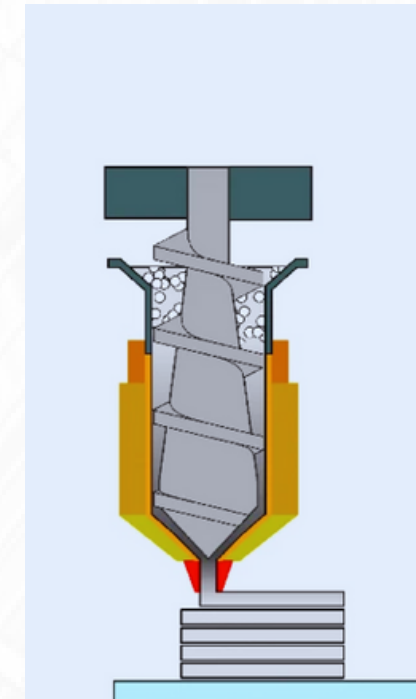


- + MOST EXTENDED
- + ACCURATE
- EXPENSIVE
- PROPRIETARY



FGF

FUSED
GRANULATE
FABRICATION

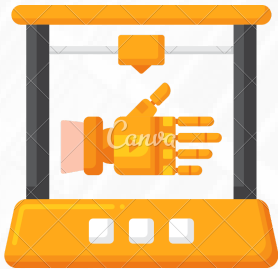
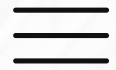


- + COST EFFECTIVE
- + PRODUCTIVE
- + MATERIALS
- + OPEN



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WHY US?



ginger.
print it big

Accessible/
economic

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high productive

Low productive

Nagami^x

T H E
N E W
R A W

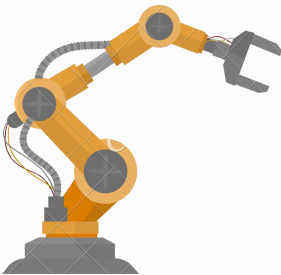
THERMWOOD
industry

CCAD
Composite Additive Manufacturing

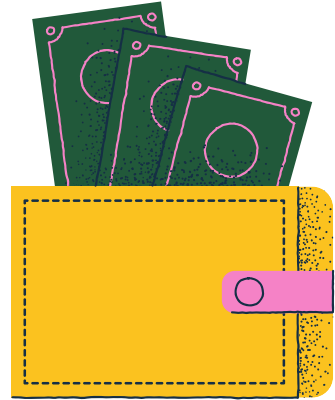


TITAN
ROBOTICS

Inaccessible/
expensive



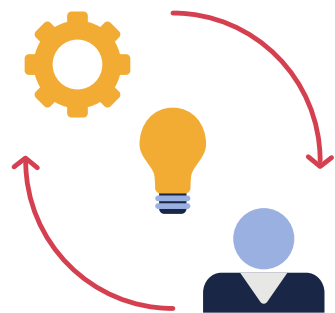
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SIMILAR 3D PRINTING SOLUTIONS ON THE MARKET ARE AT LEAST 10X MORE EXPENSIVE - TO BE A REVOLUTION, IT MUST BE ACCESSIBLE FOR EVERYONE

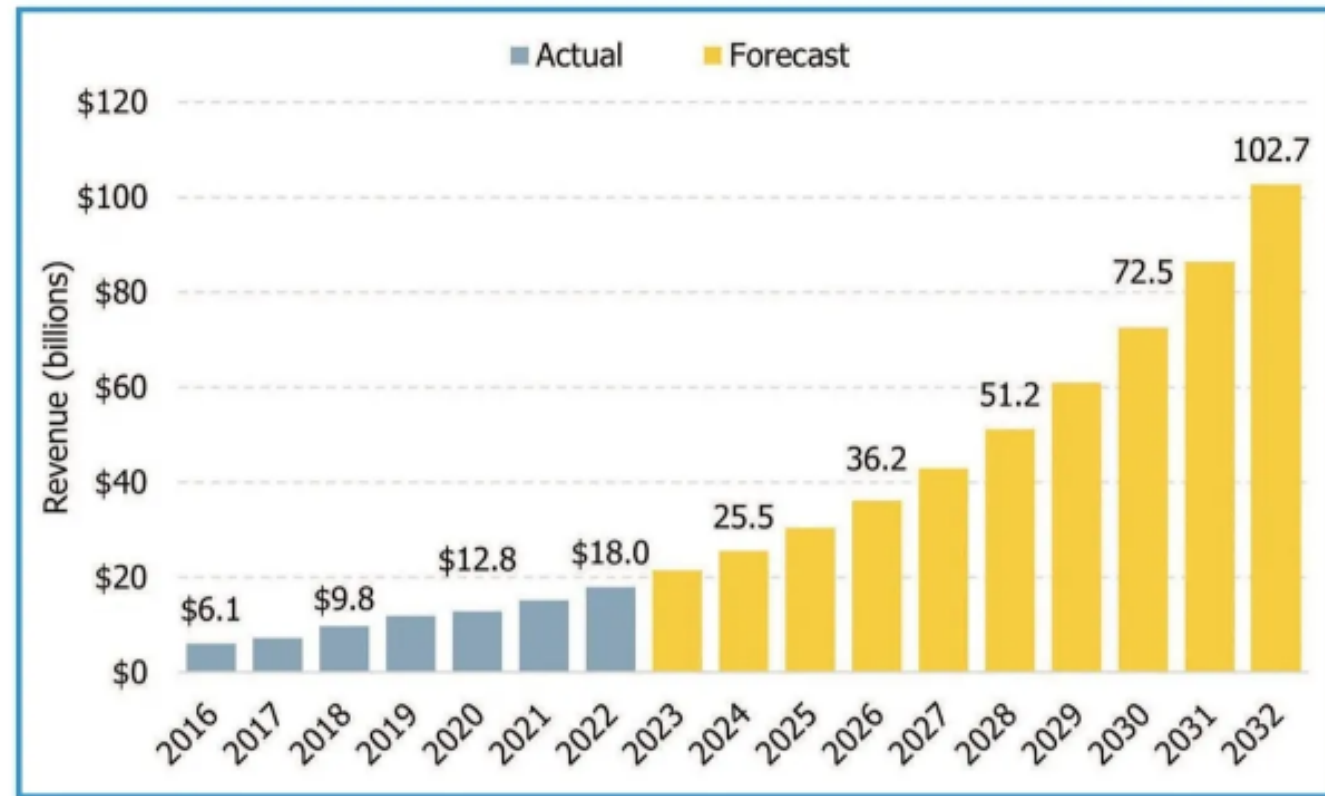


OUR BUSINESS MODEL IS BASED ON SOCIAL IMPACT THROUGH THE REVALUATION OF PLASTIC AND COLLABORATIVE CREATION - ANYONE CAN BE A CREATOR!

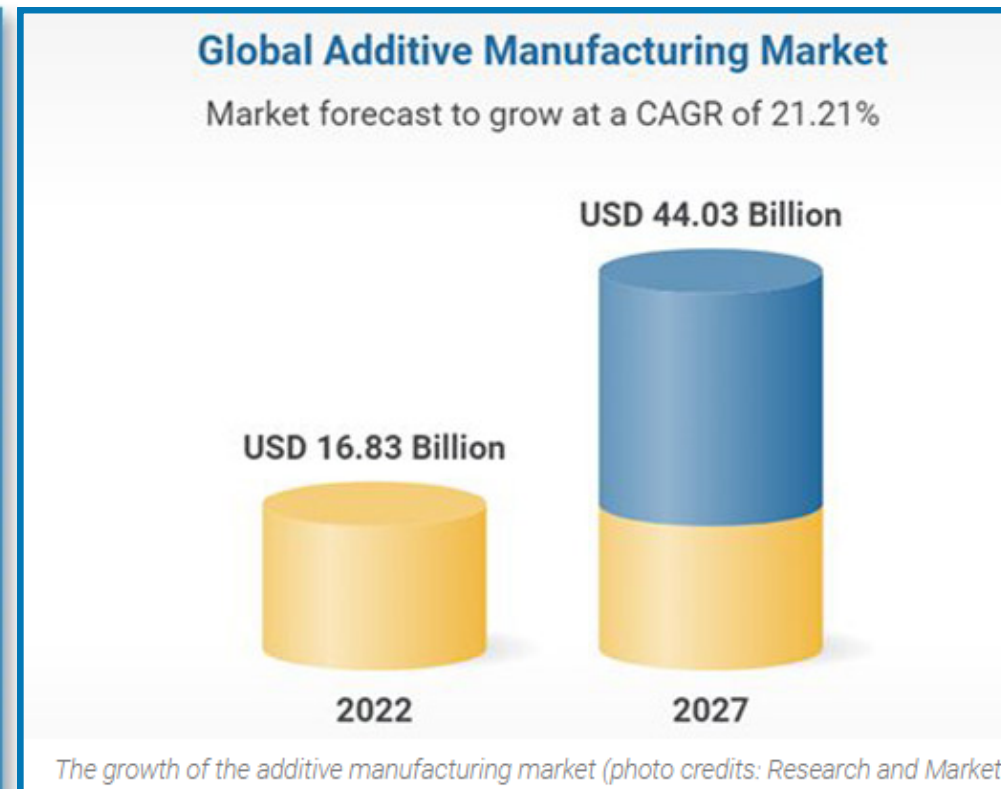


OUR SOLUTION CAN BE DEPLOYED WHEREVER THE WASTE IS PRODUCED, CUTTING CO2 EMISSIONS, SIMPLIFYING LOGISTICS AND MAKING THE PROCESS MORE EFFICIENT OVERALL

MARKET OPPORTUNITY



Source: Wohlers Report 2023



83%

of respondents believe 3D printing helped them save substantial costs in their manufacturing pipeline

56%

of survey participants named FDM the most frequently used additive technology

76%

of businesses produced 10+ parts in their production runs, up from 49% in 2021

71%

of businesses surveyed used 3D printing more in 2022 than in 2021

HUBS
A PROTOLABS COMPANY

3D Printing
Trend Report 2023

**THE
ADOPTION
IS HERE!**

AM IS THE KEY TO CLOSING THE PLASTIC LOOP BUT IS BEING OVERLOOKED BY CURRENT PLAYERS WHO PREFER TO SELL CONSUMABLES

THE AM INDUSTRY IS SO FOCUSED ON BUILDING ROCKETS, ETC. THAT IT DISREGARDS ITS MOST LOGICAL APPLICATION: WASTE TRANSFORMATION

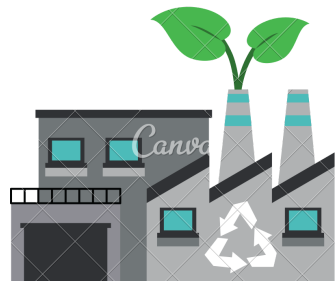
PLASTIC IS THE MOST POLIVALENT MATERIAL ON EARTH AND AN ALMOST INFINITE RESOURCE - WE JUST NEED TO CHANGE THE WAY WE HANDLE IT

INCOME



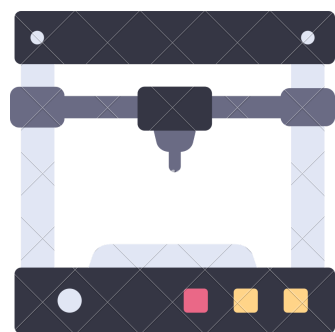
UPCYCLED PRODUCTS MARKETPLACE

We commercialize all the upcycled products through our digital marketplace, meaning that after paying the royalties to the creators we don't have any intermediaries



PLASTIC WASTE TRANSFORMATION

We provide companies with a sustainable manufacturing alternative to their traditional methods so that anyone can incorporate recycled materials in their product while cutting their CO2 footprint



MACHINE RENTAL

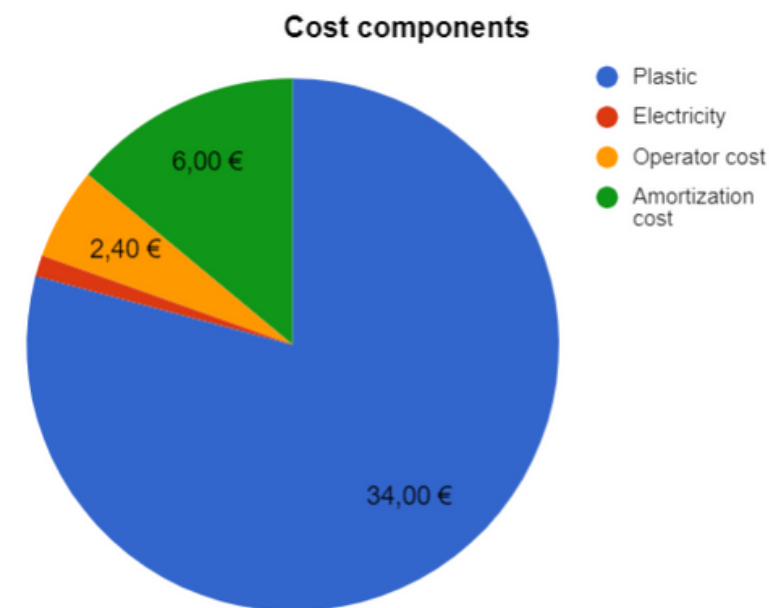
Once we have developed your application, you have the possibility of installing our platform directly in your facilities to become self-sufficient and solely pay for machine use

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COST CALCULATOR

Model data	
Plastic cost [€/kg]	2
Electricity cost [€/kWh]	0,1736
Average power [kW]	0,80
Electricity hourly cost [€/h]	0,13888
3D printer cost (€)	36000
Amortization period [years]	5
Active days per year	300
Active hours per day [h]	16
Amortization cost [€/h]	1,5
Failure rate	10%
Operator hourly cost [€/h]	15
Preparation cost [h]	0,08
Postproduction cost [h]	0,08

3D printing part costs	
Part mass [kg]	17
Printing time [h]	4
Material cost	
- Plastic	34,00 €
- Electricity	0,56 €
Operator cost	
- Preparation	1,20 €
- Postproduction	1,20 €
Amortization cost	6,00 €
Error cost	4,30 €
Part cost	47,25 €



SRP

250€

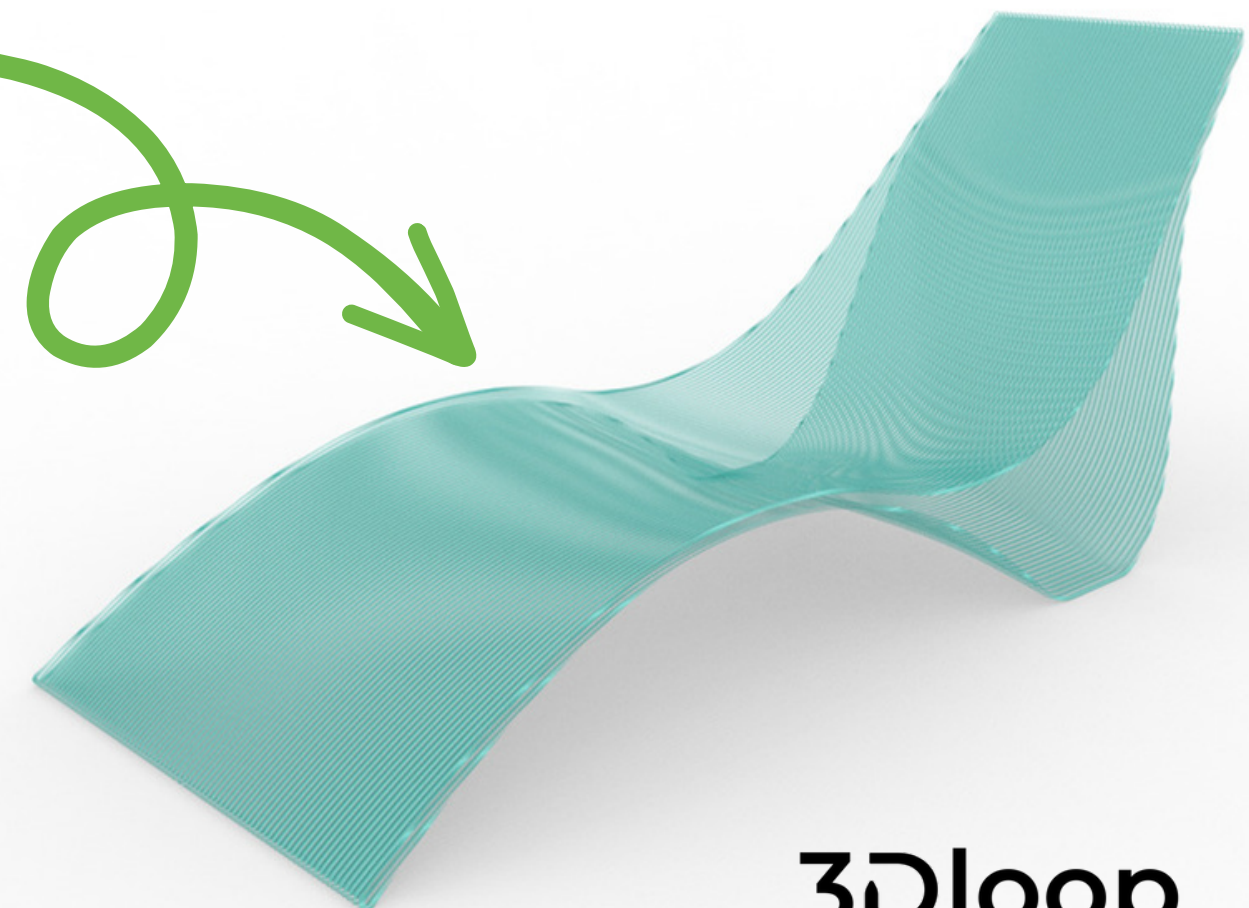
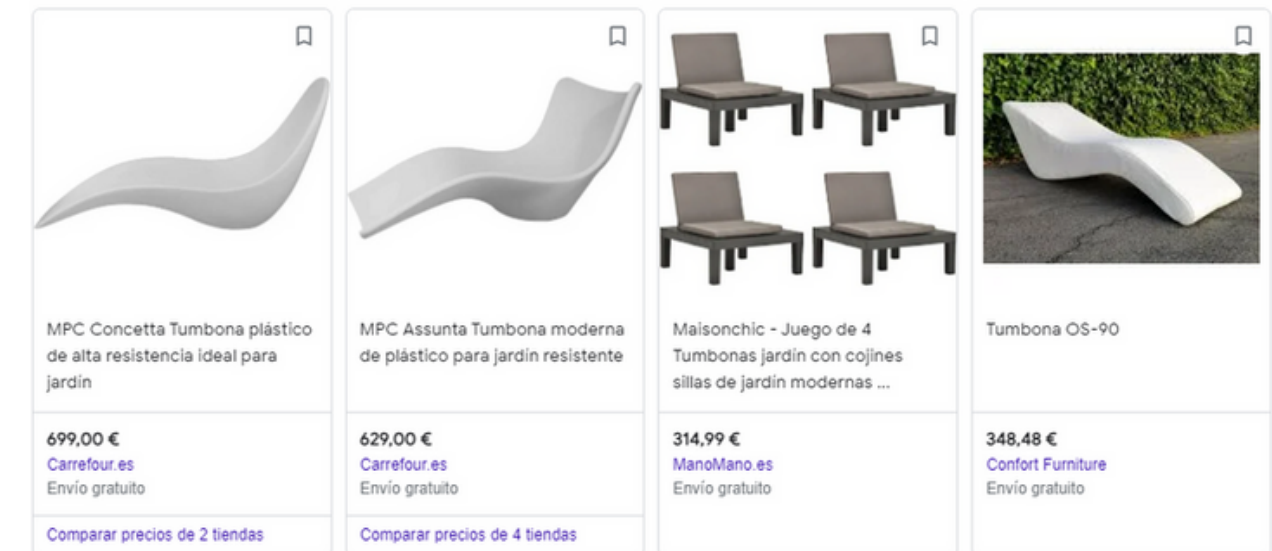
81%

LOUNGER

Design Lounger made from 280 PET bottles: stylish, UV resistant, lazy people proof, local made, 100% made from recycled material, 100% recyclable

COST
47,25€

MARGIN



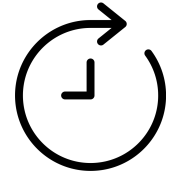
REAL USE CASE



CHILL OUT TERRACE FURNITURE **36 PIECES**



20 CAR BUMPERS



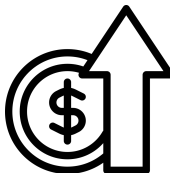
PRODUCTION TIME 45H



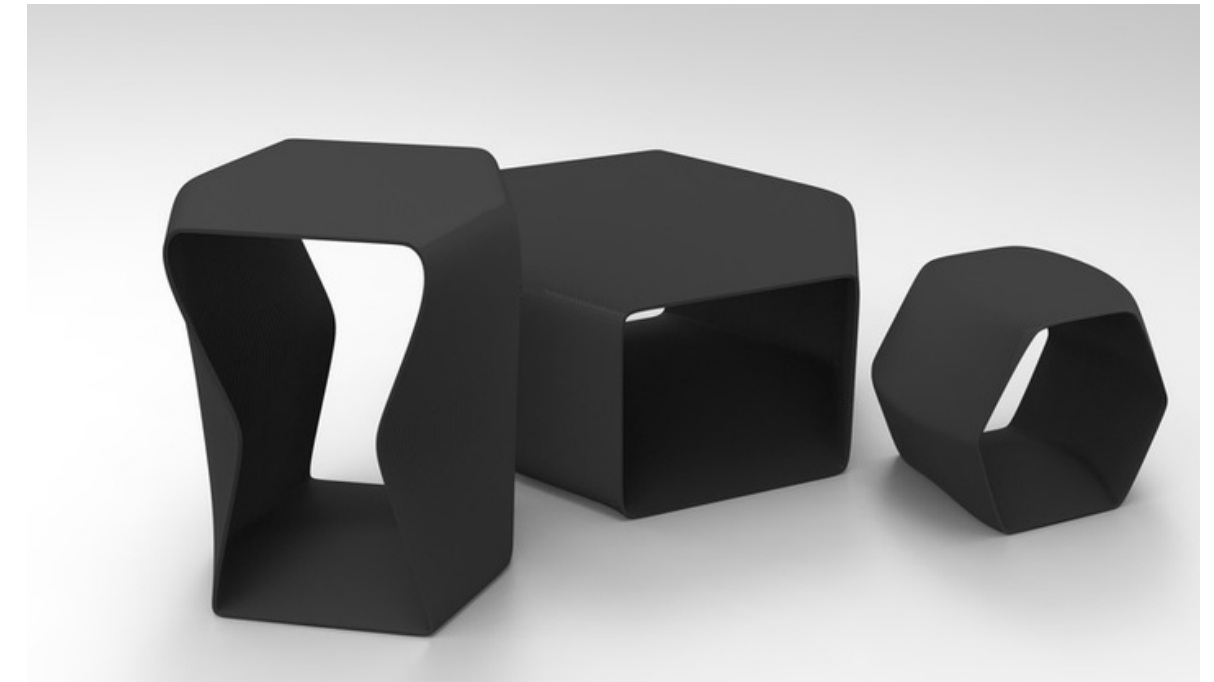
REUSED PLASTIC **200 KG**



EMISSIONS AVOIDED **800KG***



MARGIN OF THE OPERATION **74,8%**



CLIENT

GRUPO  moraval

*BASED ON A CASE STUDY

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CURRENT PRODUCTION CAPACITY

- Yearly Active days 300
- Average product printing time : 4 h
- Yearly produced products : 1800
- Average product price: 150 €
- Expected annual turnover: 216.000 €
/ machine

Yearly fix costs

- Rent and supplies: 7.200 €
- Management: 1.800€
- Marketing: 1.200€
- Total: 10.200€

Margin : 75%

162.000 - 10.200=

Profit: 151.800€/ Machine

OUR GROWTH FORECAST

Year I: 1 Machines = 216.000€

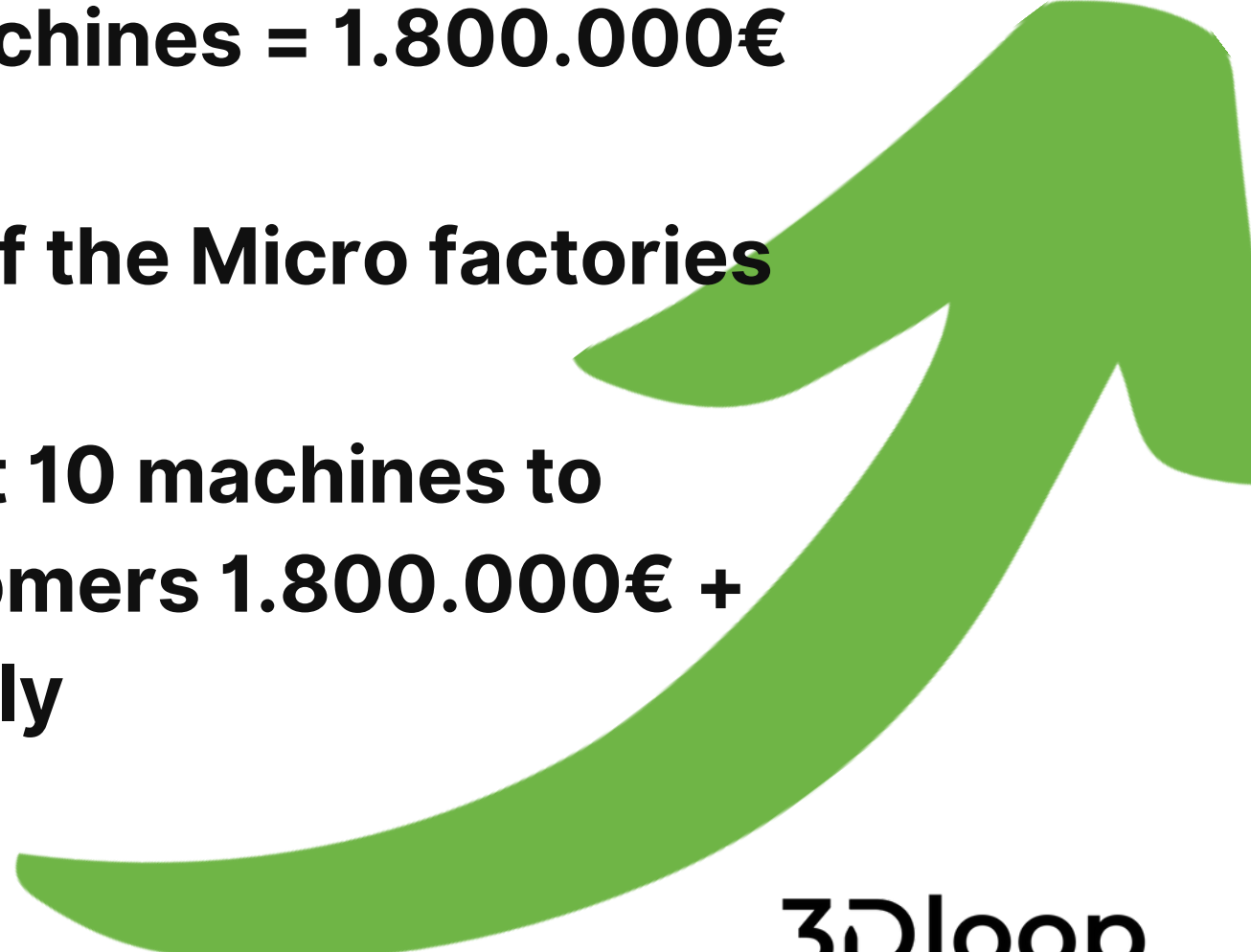
Year II: 2 Machines = 396.000€

Year III: 4 Machines = 756.000€

Year IV: 10 Machines = 1.800.000€

**Year V: Start of the Micro factories
program**

**Delivering first 10 machines to
selected customers 1.800.000€ +
72.000/monthly**



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MEET THE FOUNDERS TEAM



Diego Yus Vicente

CBO

- 6 years managing engineering projects related to energy & waste management
- Top education in marketing & sales



Jesse Wiggins

CEO

- Industrial design & applications engineer with 10 years of experience in the AM industry
- Collaborated with the top companies in Europe



Arnau Garcia

CTO

- Master in mechatronics with 8 years experience creating machines
- Developed 3D printers that sold thousands worldwide



CLIENTS & PARTNERS

SOLTEC
Integral solutions

Applus⁺
IDIADA

GRUPO  moraval

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ROADMAP

Q2/2023

- Company creation
- Key partners signed partnership agreement

Q3/2023

- Rebirth first machine
- First order delivered
- Kickoff Angola Concrete Project

Q4/2023

- MVP validation
- Angola Concrete Project execution

Q1/2024

- Kickoff 3Dloop Factory
- Seed Fundraise

Q2/2024

- Marketplace scale up
- Start distribution
- Open Vertical Calls

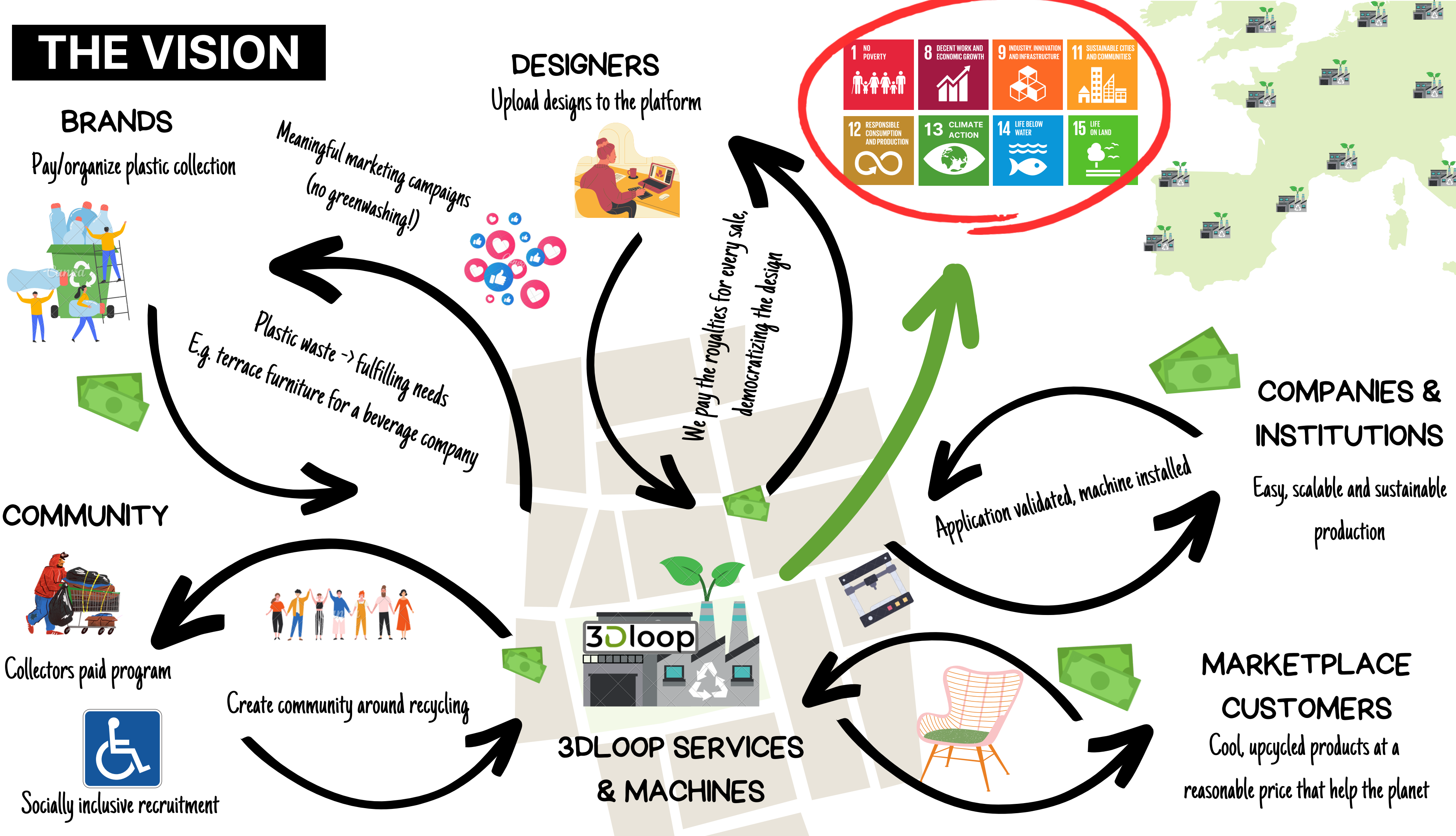
Q3/2024

- Start Technology Adoption Program

Q4/ 2024

- Serie A fundraise
- Scale up the network

THE VISION



KEY MILESTONES

PRODUCT VALIDATION Q4/2023

Our first client is a real estate group that will validate our product to be included in their student residences. If they approve, it will mean that our products are not just **strong enough to resist the most damaging users (university students)** but **we will also deliver furniture for residences** that by 2025 will be **hosting more than 50,00 people**.

ANGOLA PROJECT Q1/ 2023

We are developing a special project for one of our investors in Africa. This project will **allow us to create a green concrete division** to also apply the benefits of additive manufacturing in construction and obtain more funding **to ignite the next phase** of the project.

MACHINES RUNING 24/7

We can recycle **up to 25Tn/year per machine running at 80%.**

We can make **216.000€/year per machine running at 70%.**

We want to reach the 100%.

RAISING MONEY FOR

R&D - PILOT FACTORY

We are currently operating a little printer farm where we test the materials and our LFAM prototype 0 machine, we have learned a lot from it and want to put in production the second generation of machines with a lot of improvements as our unique innovative technology **for Continuous Large Format Additive Manufacturing** which allows non-stop production on an industrial scale with almost none human labour

ADMINISTRATION

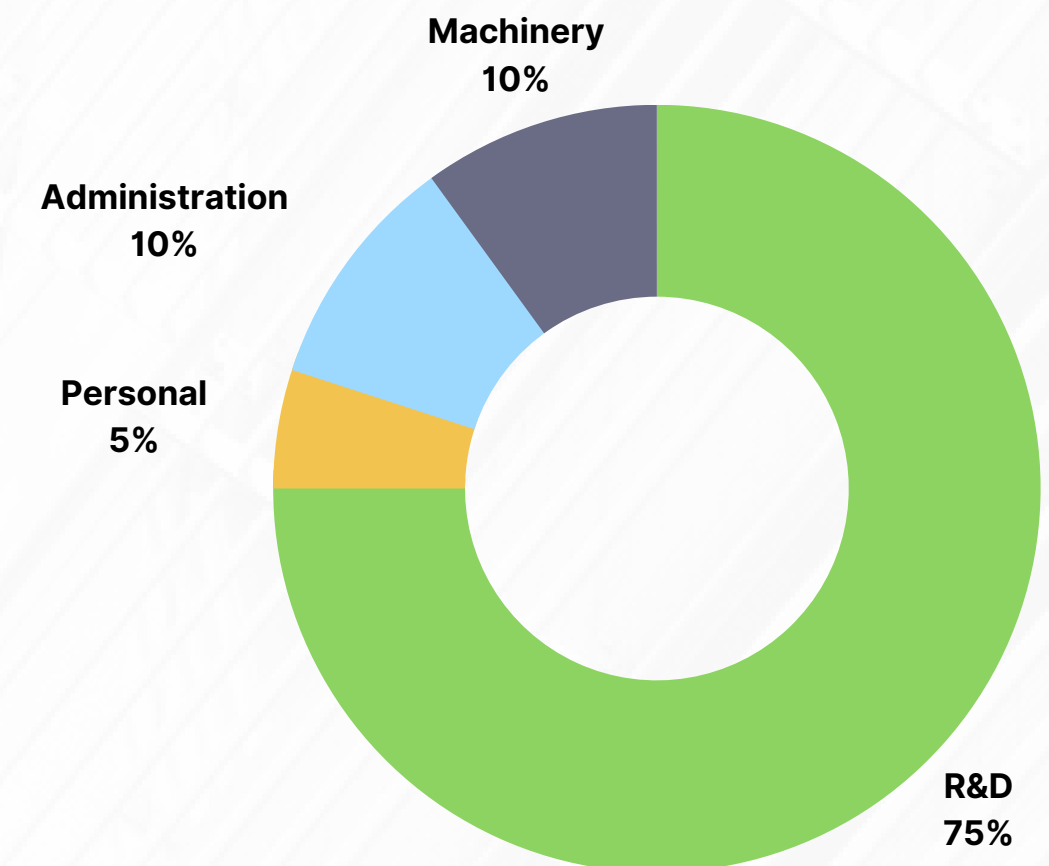
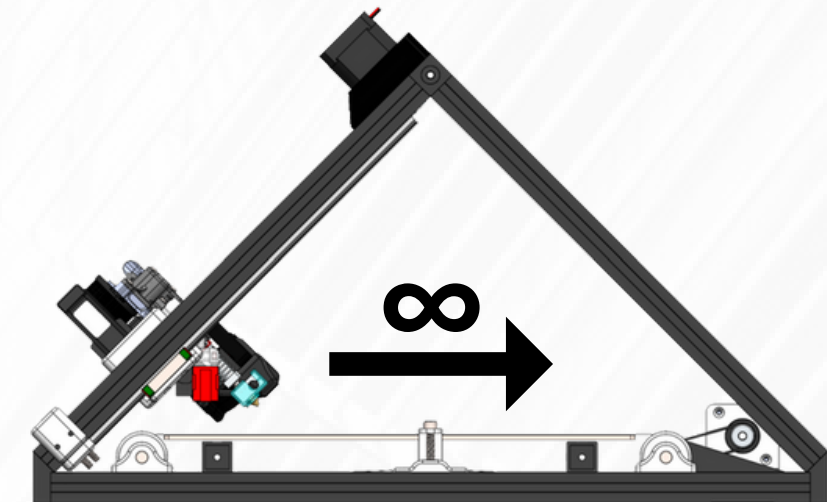
As we require small facilities our general expenses are quite low but still need to pay the bills

PERSONAL

We would like to have Arnau 24/7 and hire some highly motivated interns that could become the professionals that we will need in a year

MACHINERY

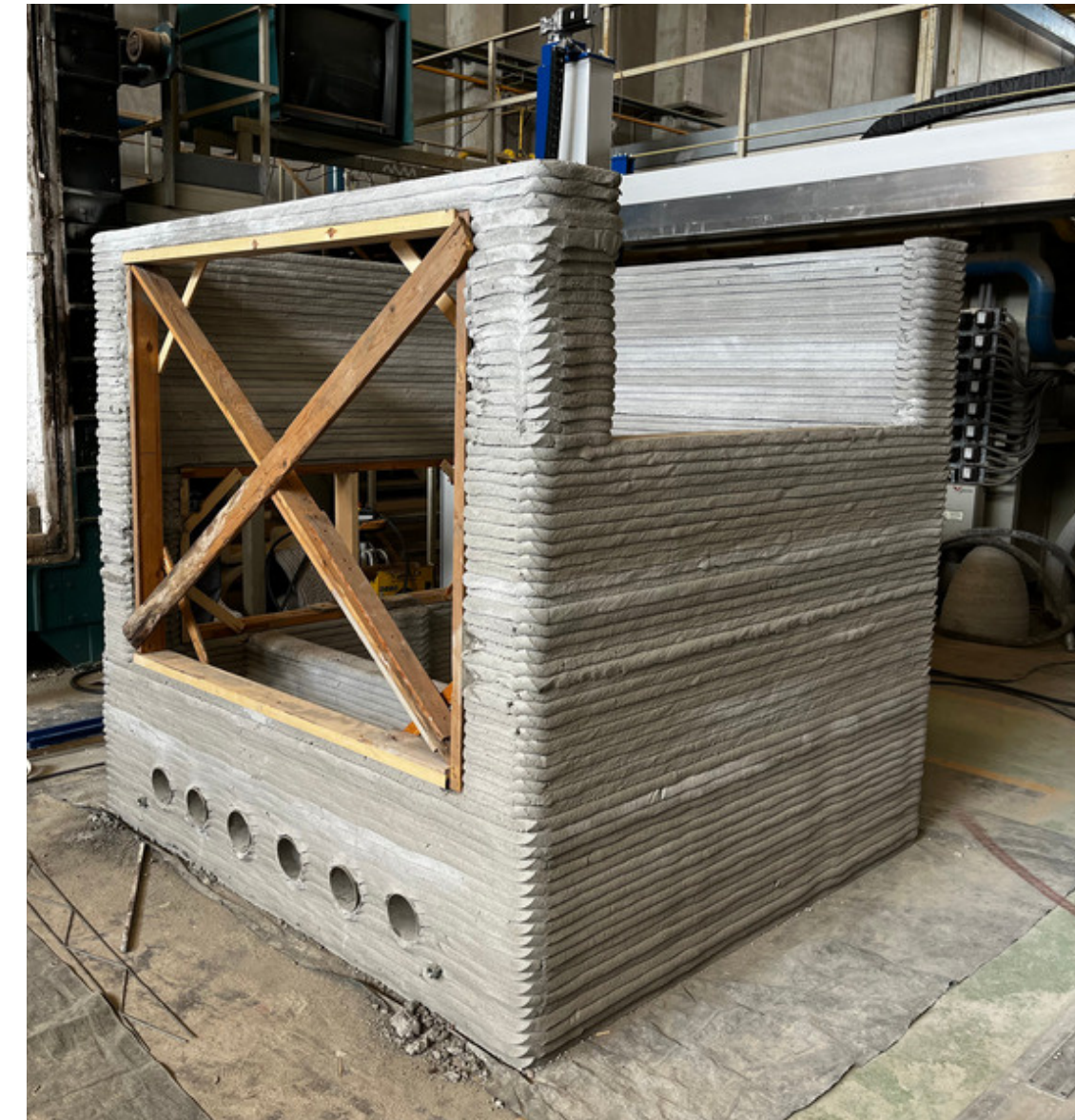
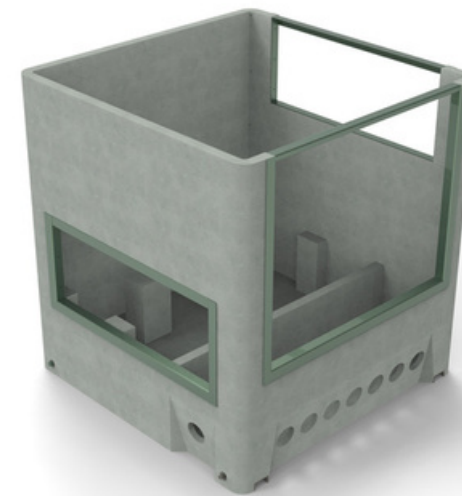
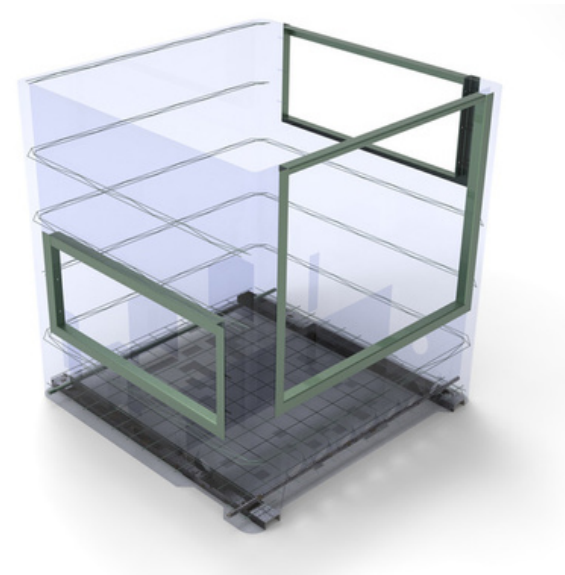
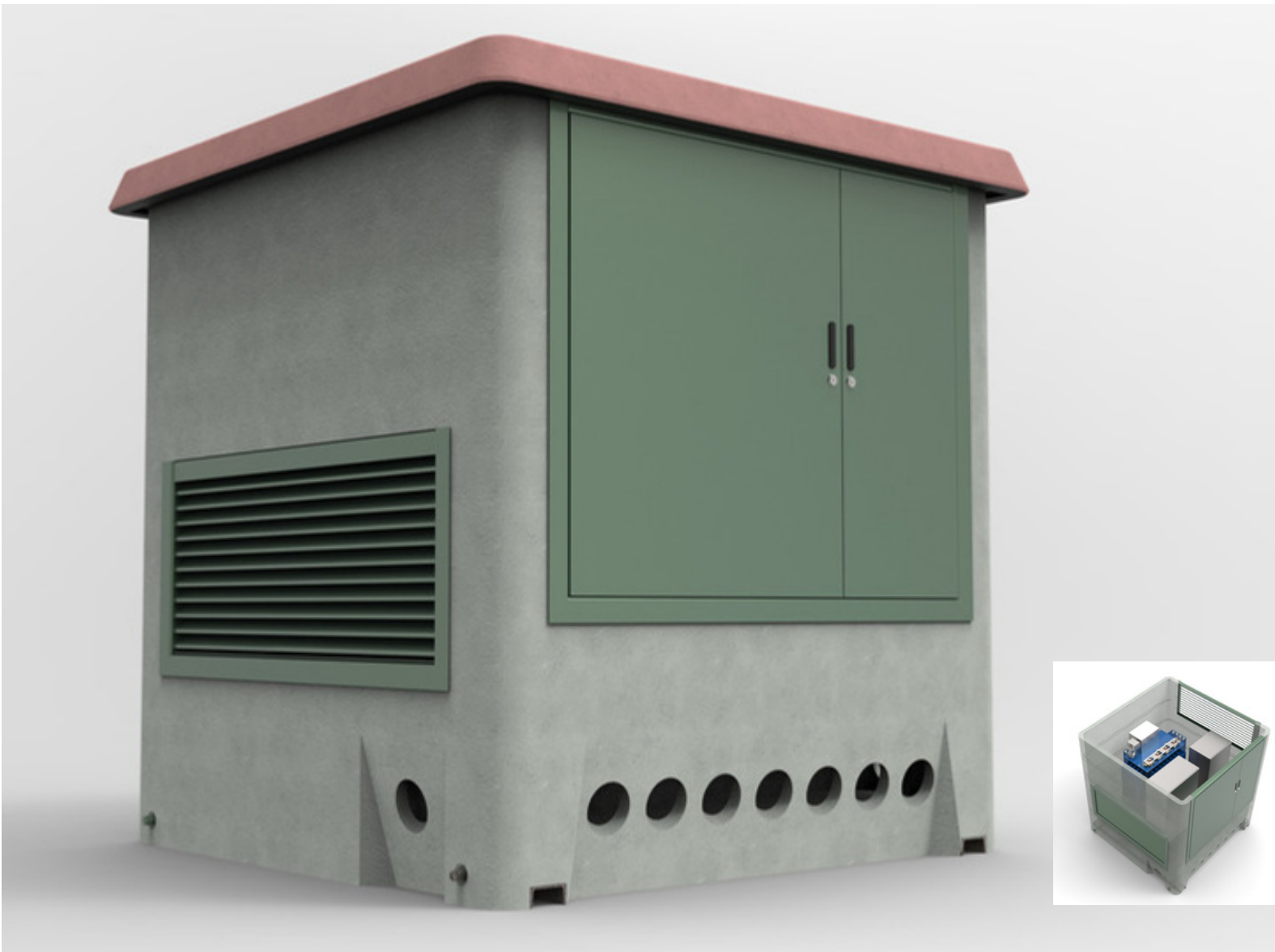
To process plastic we require the acquisition of some equipment



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SPECIAL PROJECTS

CONCRETE 3D PRINTING



Design, development and production of concrete housing for electrical transformers, reducing the costs and Co2 footprint for an international client

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THANK YOU

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