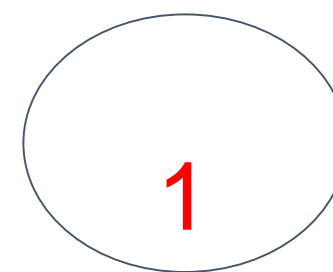


3D Building Morocco



NUMBER YOUR SLIDES
PLEASE!



3D Building Morocco +



PROBLEM

Conventional ways of building
residential units for low income families
in Morocco



expensive



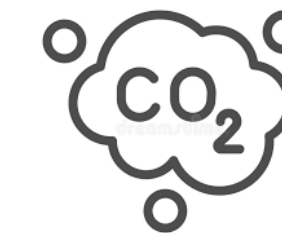
Time
consuming



unsustainable



Material waste on
Site



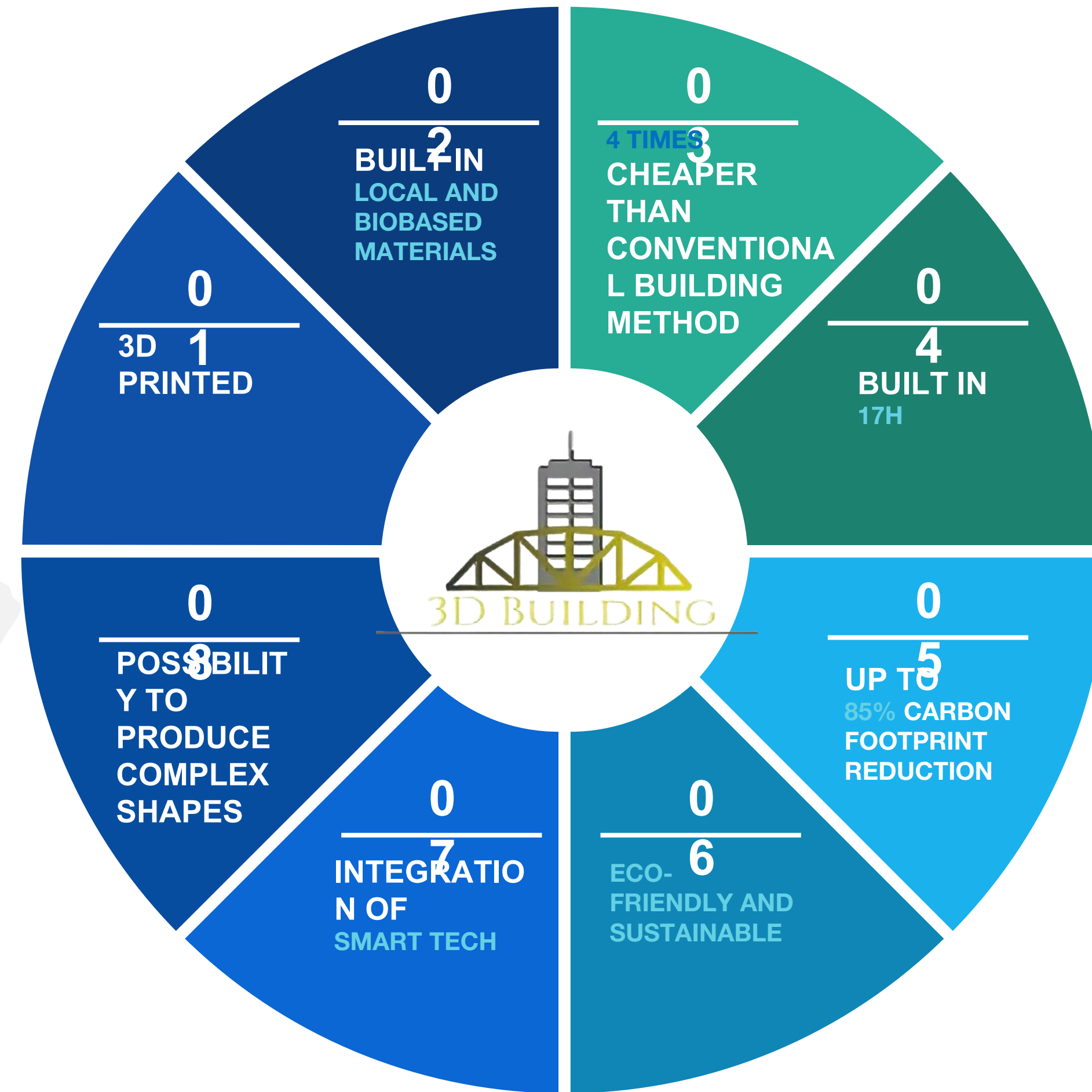
Very big carbon
footprint



no technology

SOLUTION

3D PRINTED SMART HOUSES IN LOCAL MATERIALS



LOCAL ECOLOGICAL MATERIALS

THE HOUSES ARE PRINTED IN LOCAL "SOIL" (CLAY) > NATURAL COOLING FEATURS ALLOWING TO TAKE AWAY THE EXTRA COSTS OF AC



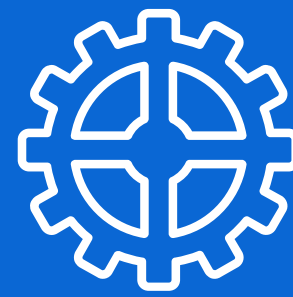
PARAMETRIC WALLS

PROVIDE SHADE ON THE FACADES EXPOSED TO THE SUN .

FEATURES

FAST AND CLEAN SITE

REDUCES MATERIAL WASTE ON SITE, AND LOWERS THE MAINTENANCE TIME AND COST OF IT

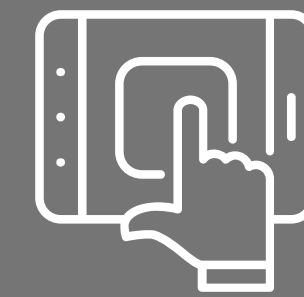


CONCRETE POST-WALL STRUCTURE

THE MACHINES PRINTS THE WALLS IN CLA LEAVING SPECIFIC PRE-CONCIEVED VOIDS TO FILL WITH ARMED CONCRET ALLOWING US TO

FOLLOWING THE FUTURE OF A SMART LIFESTYLE

INTEGRATED " BORNES DE RECHARGE" ALLOWING TO CHARGE ELECTRICAL CARS, ENCOURAGING THE HOME OWNERS TO SWITCH THEIR MOBILITY SYSTEM FOR A CHEAPER MORE SUSTAINABLE ONE .



INTEGRATED TECH

INTEGRATED SENSORS SUCH AS FACIAL RECOGNITION, FIRE ALERTS...

MARKET SIZE

Our market :

MODEST INCOME FAMILIES

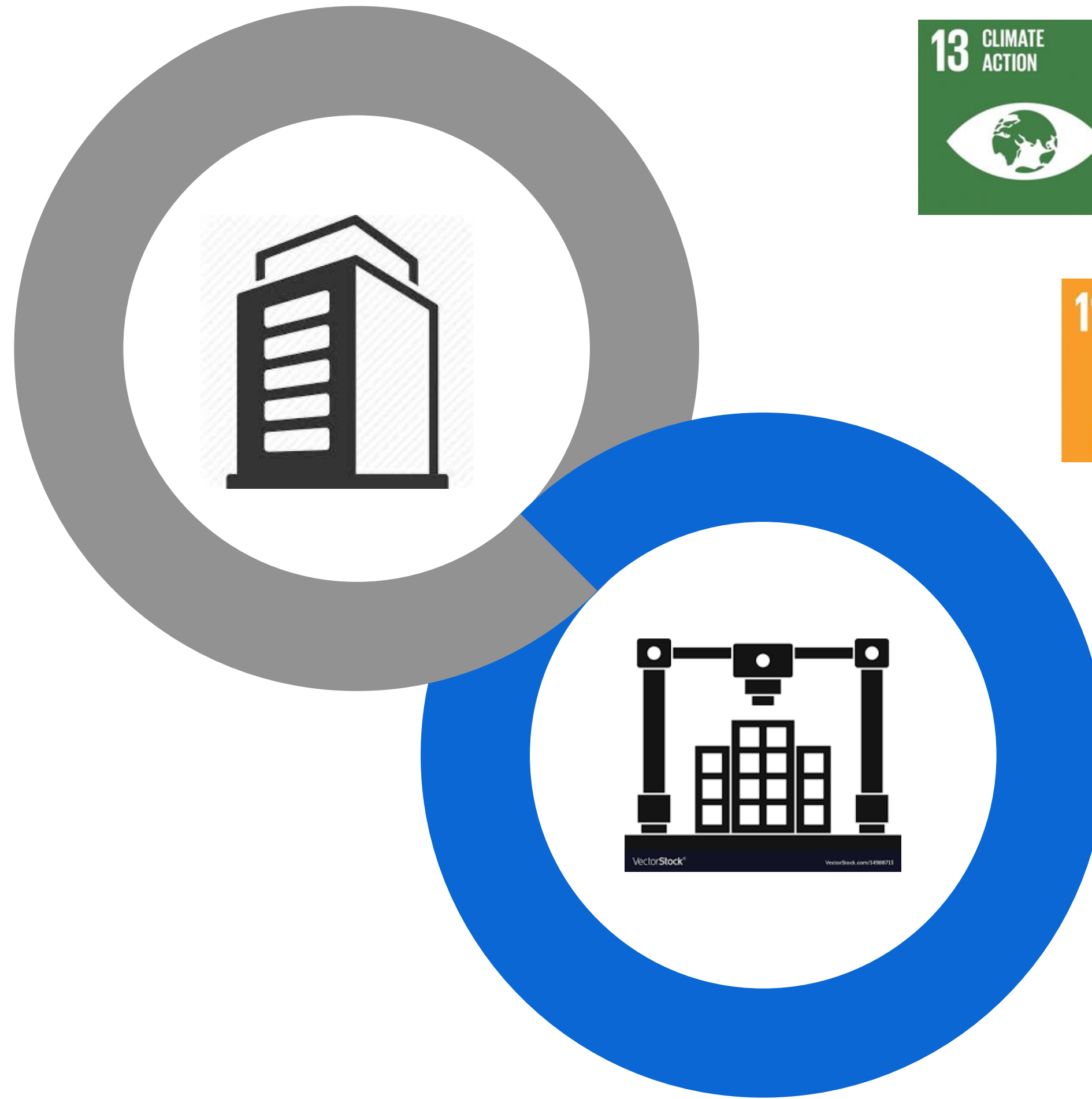
REAL ESTATE INVESTORS LOOKING FOR
LOWER COSTS WITH OPTIMIZED
PERFORMANCES



BUSINESS INFOGRAPHIC

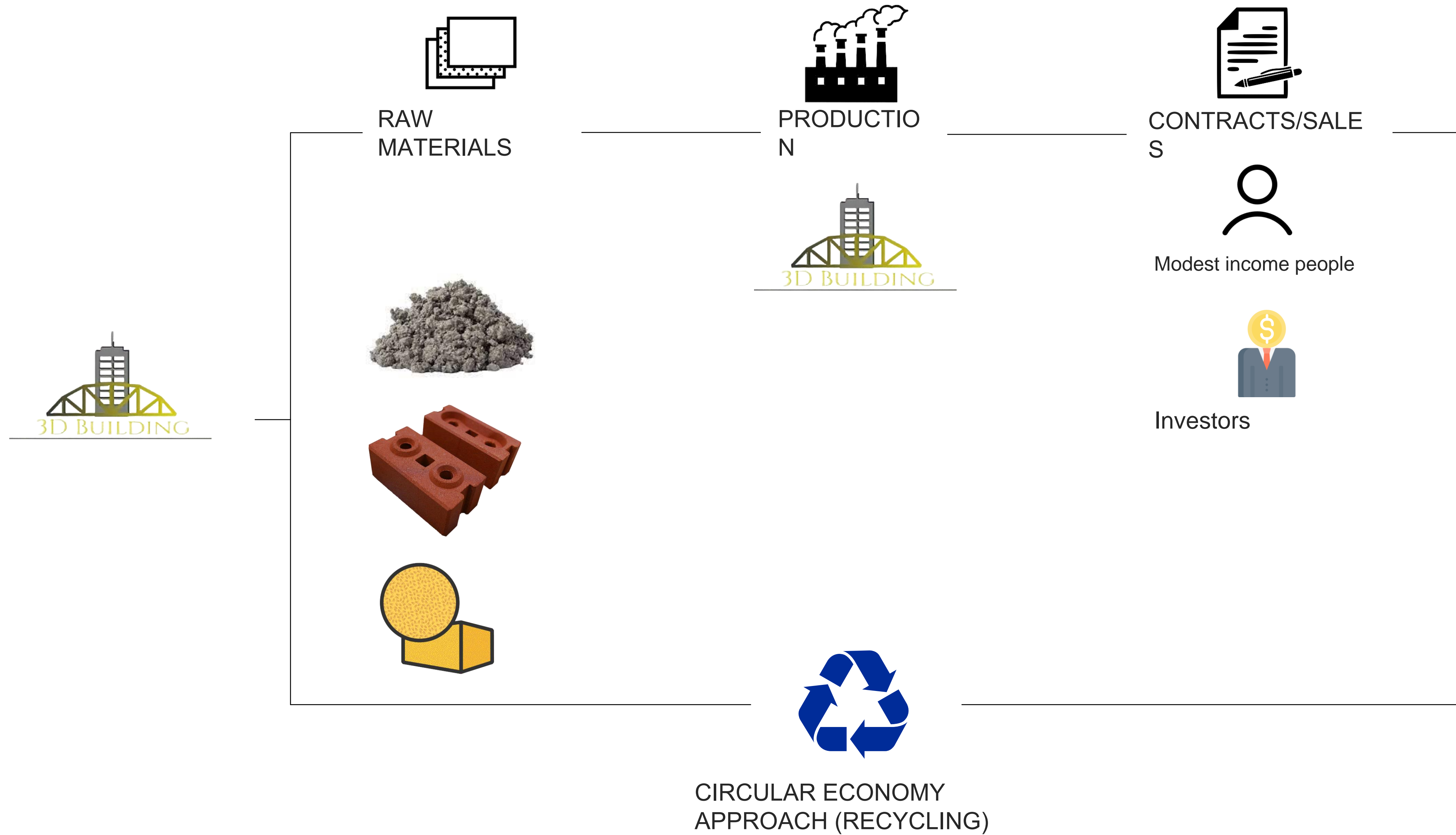
COMPETITORS

CONVENTIONAL BUILDING COMPAGNIES.



COMPETITIVE VALUES

BUSINESS MODEL BREAKDOWN



Customer Segments (General Guidelines)

1. **Demographic** – e.g. gender, age, occupation, marital status,, and income
2. **Geographic** – e.g. country, region, city or neighborhood
3. **Technographic** – e.g. preferred technologies, software, hardware, mobile, etc.
4. **Psychographic** – e.g. personal attitudes, values, interests, personal traits
5. **Behavioral** – e.g. actions or inactions, spending/consumption habits, feature use, browsing history, average order value/spend.

REMEMBER: Identify the Users/Decision makers/Purchasers if applicable

Revised from:

<https://clevertap.com/blog/customer-segmentation-examples-for-better-mobile-marketing/>

our project



Using machine learning

To optimize building time

To do a complete modeling by the machine independently

To choose the most suitable materials

To improve performance

Our local material



Fig. 1 : L'argile rouge

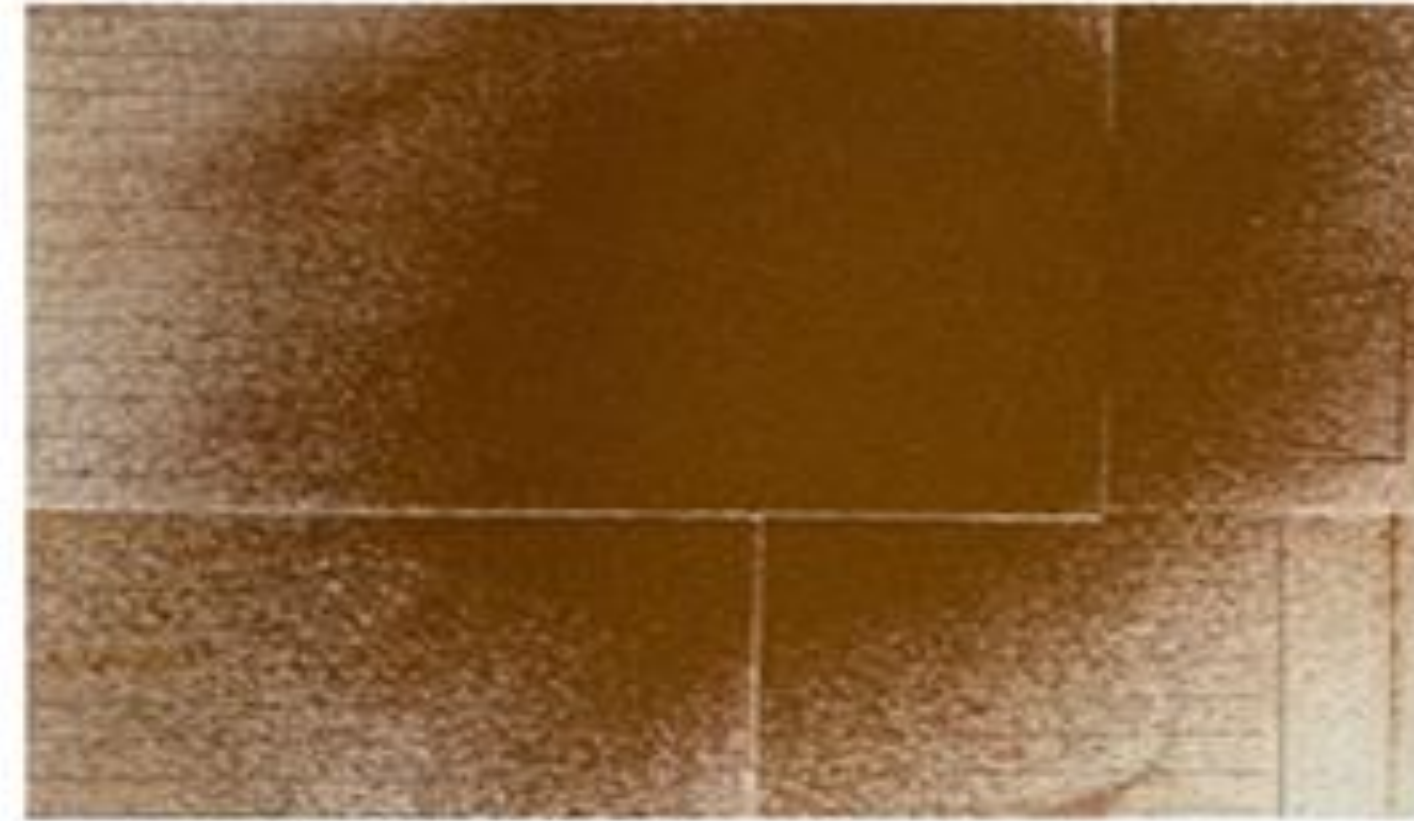


Fig. 2 La poudre d'argile après tamisage.



Fig. 3 Feuilles de palmier dattier



Fig. 4 Fibres de palmier coupées à 1.5 cm

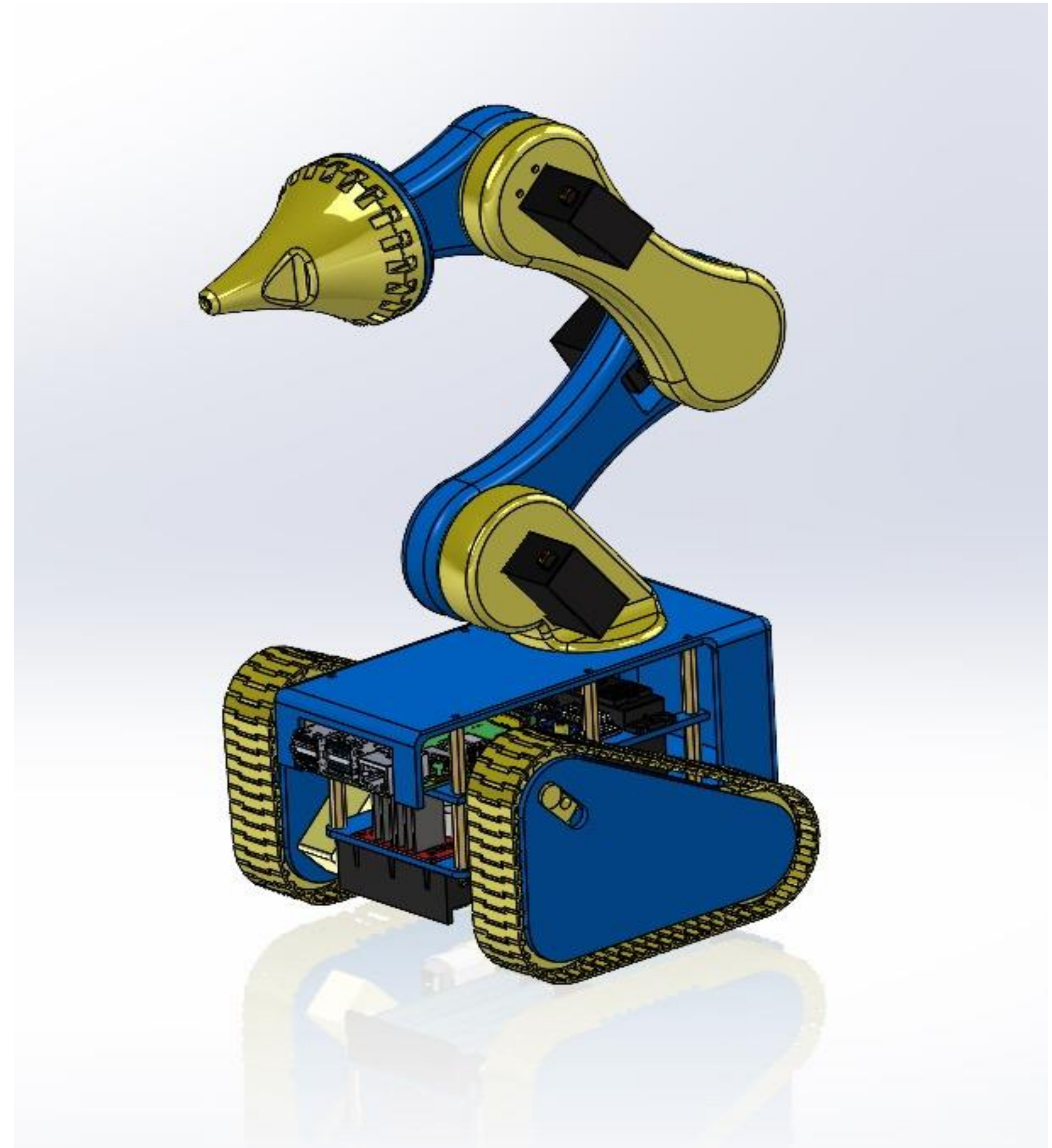


Fig. 12 Lissage des échantillons



Fig. 13 Briques d'argile renforcé par les fibres de palmier après lissage

Our robot prototype



Team



Soukaina souhami
Architect



Hasna oukmi
Energy consultant



Zakaria louizy
Robotics consultant



Hind benkirane
Energy consultant



Hanane YAAGOUBI
CEO & founder of 3D building startup



3D BUILDING MOROCCO



3D BUILDING MOROCCO