





# WHAT'S THE PROBLEM?

Billions of plastic pieces.

Tons of waste. The gigantic dump that is currently floating in the Pacific Ocean is much larger than what scientists estimated, and if we do not change our behaviour there will be more plastic than fish by 2050.

The constant use of processes and materials that are not designed within a natural life cycle.

USA generates about 254 million tons of waste, with a 34,3% recycling rate. Globally, only 9% of urban waste is recycled.



# OUR VISION

Oka produces biopackaging with a clean renewable production system and non toxic raw organic material. Through thermoforming, various products are generated.

Different shapes, same safe compostable ingredients. When discarded, the products return to nature causing no waste nor damage to Nature. In fact, they generate a positive impact by feeding the soil and supporting a new life cycle to start.



# RAW MATERIAL

Cassava is our biomass basis.

Different dyes, seeds and fibres can be added to it generating different aesthetic results and applications.

Cassava is a low cost material, abundant in every tropical area of the planet.

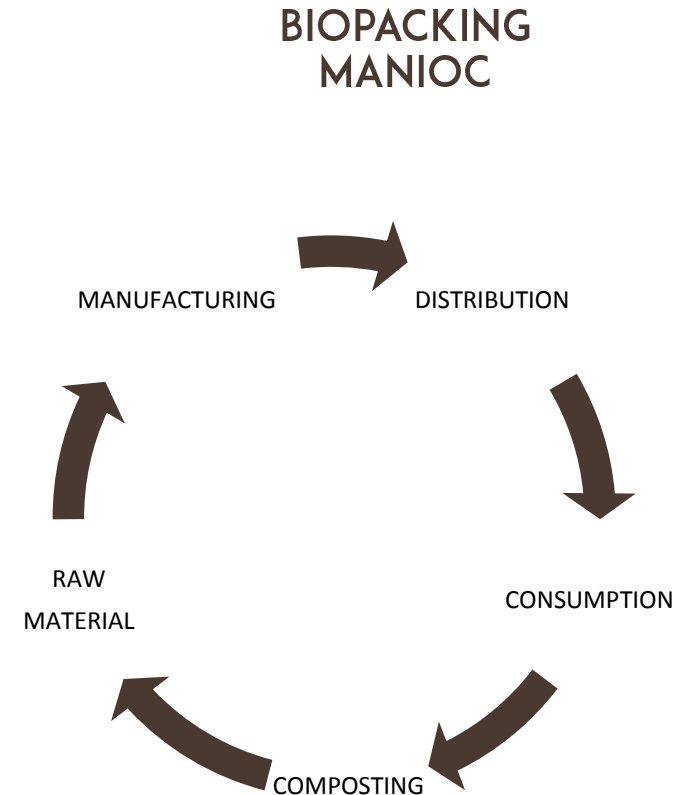
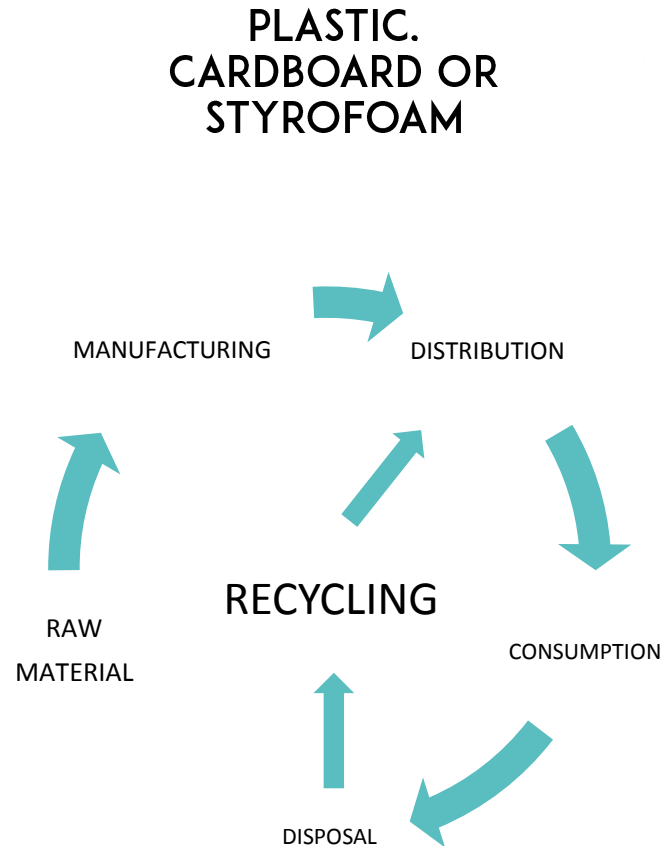
It is an undemanding crop both in terms of input and technologies.

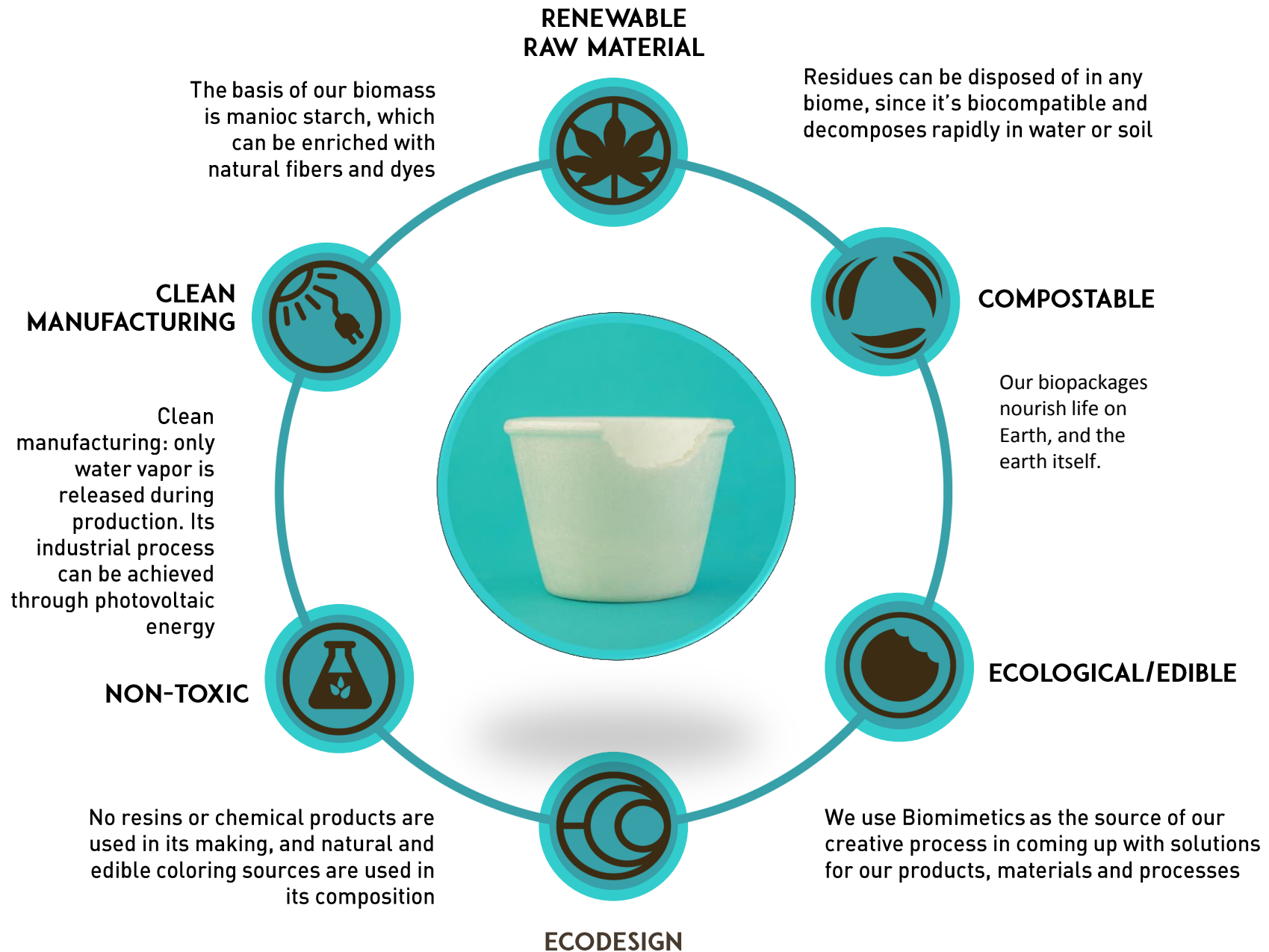


Accessibility – Sustainability – Positive Impact – Closed Loop – Zero Trash

# WHY ARE OUR CURRENT SOLUTIONS AS A PLANET, UNSUITABLE?

« *Waste is a design error* »







## 1) CIRCULARITY (5/5)

Biodegradable material - Renewable sources - Product resistance enhanced and cost lowered with fibers addition in the biomass - Compostable - Avoid plastic and bioplastic use and nature contamination.

## 2) SOCIAL IMPACT (4/5)

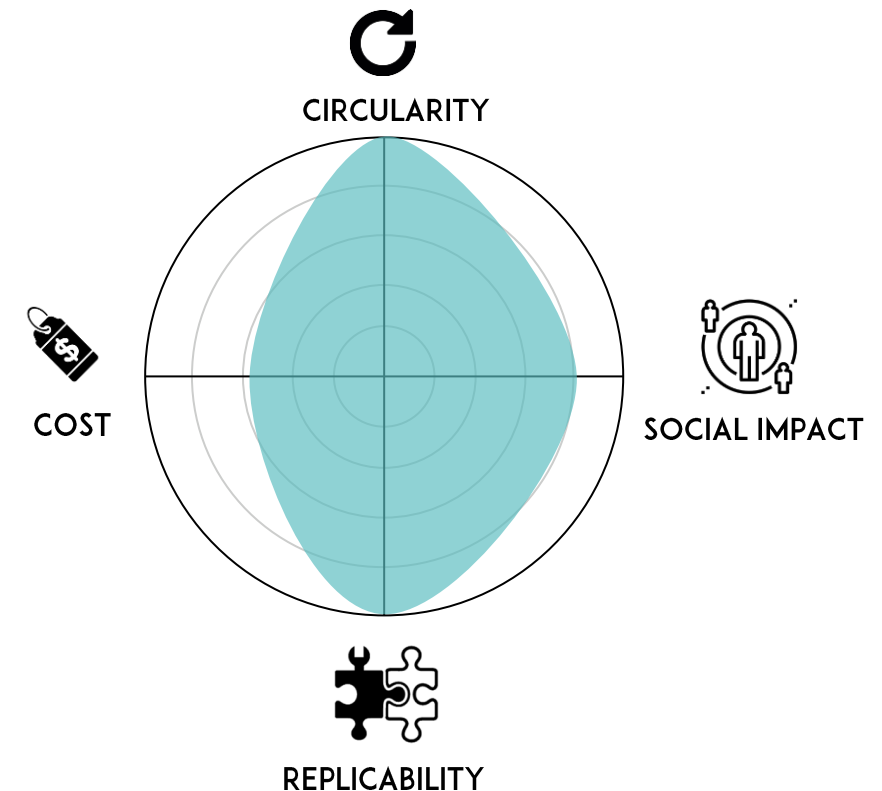
We work with local materials and workers, offering our team a quality training, generating employments and income, as well as environmental responsibility.

## 3) REPRODUCIBILITY (4/5)

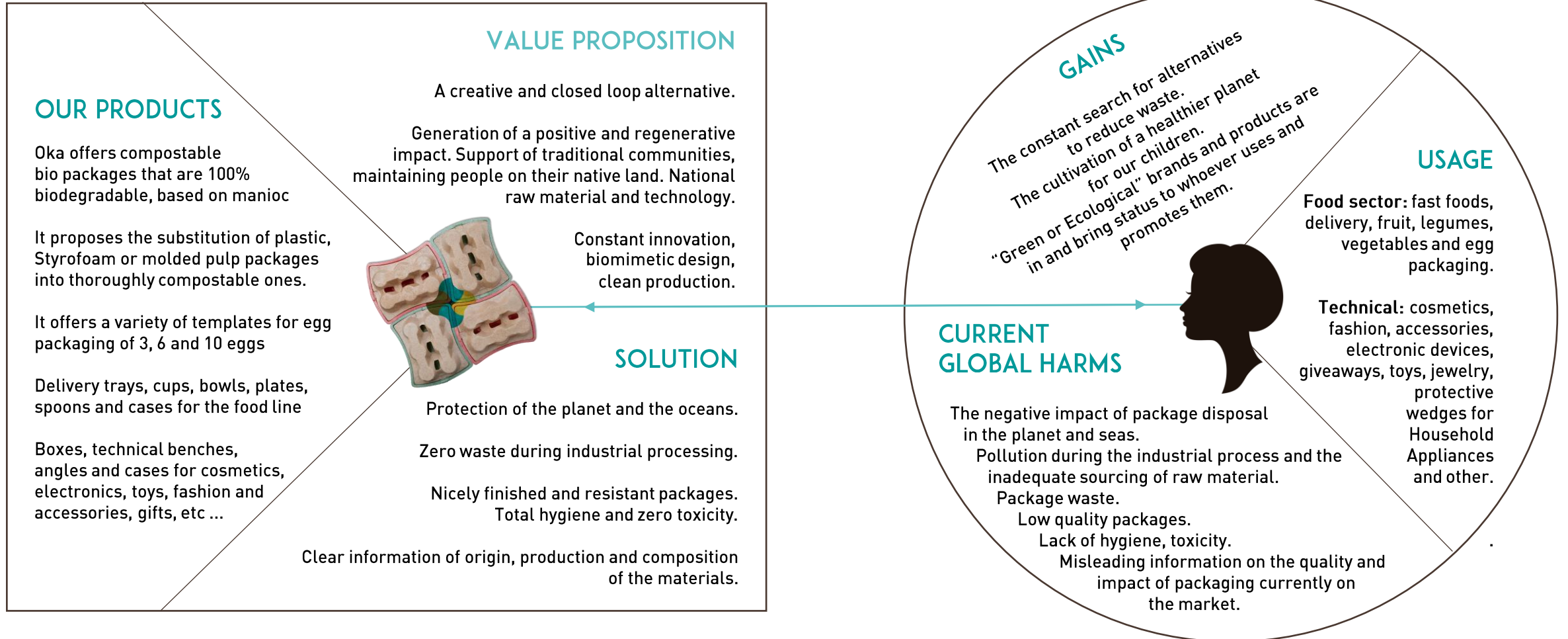
Patented Product and Process, enabling it reproduction anywhere in the World.  
Safe industrial automated process.  
Modular equipment, designed both for a low or a high scale production.

## 4) COSTS - ECONOMIC SOLIDITY (3/5)

low cost inputs no reverse logistics needed.



# OUR SOLUTION: VALUE PROPOSITION





# BRAND PRODUCTS



# TAKE AWAYS LINE



# NEW RELEASES







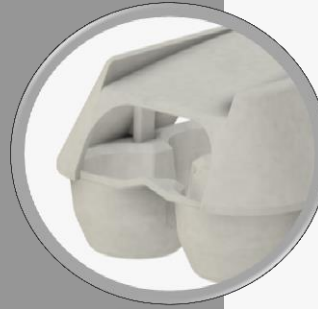
# NEW RELEASES



Our products sum social and environmental value.

Zero trash  
Compostable  
Impact protection  
100% biodegradable

# DETAILS



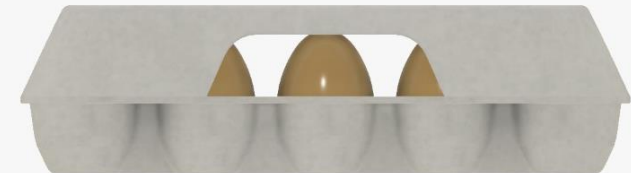
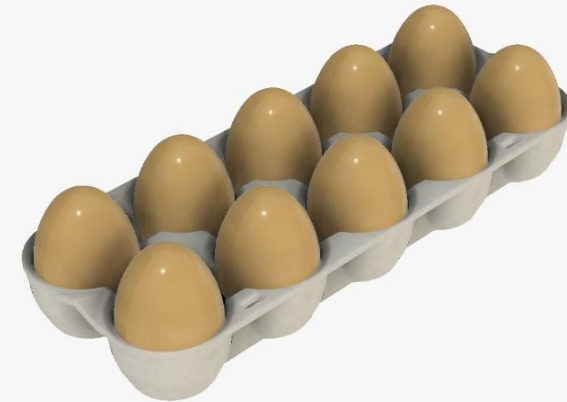
\* Has side locks

\* Easy lock and egg's removal.

\* Clean and functional design

\* Resistant, insulating and impact-absorbing material

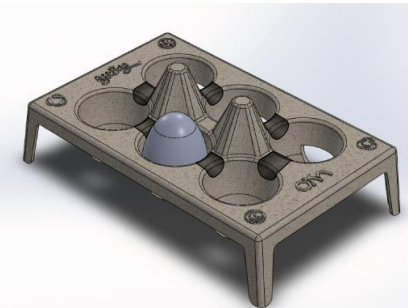
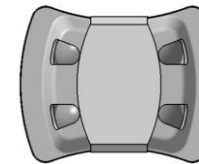
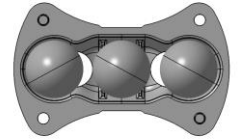
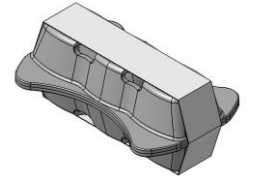
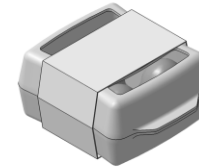
\* Ergonomic product



## TAILOR MADE SOLUTIONS

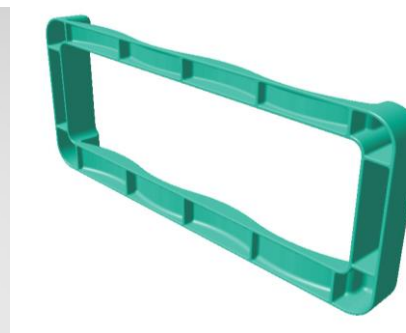


Same base. Different outcomes. Explore the many possibilities of material customization, brand logo appliances and shapes. Have a package solution tailor made for you.





# TECHNICAL PACKAGING





Different results with the same template due to the many possibilities for customization of the material and use of the brand logo





# WHY ARE OUR CURRENT SOLUTIONS AS A PLANET, UNSUITABLE?

Biopacking compared to other used products

	FEEDSTOCK	CO2 EMISSION	DECOMPOSITION TIME	COMPRESSION RESISTANCE	RESISTANCE TO MOISTURE	MATERIAL FLEXIBILITY	RESISTANCE TO TEMPERATURE	
PLASTICS	FOSSIL	MIDDLE	+ de 450 YEARS	LOW	HIGH	HIGH	LOW	NON TOXIC AND OVEN SAFE BIOCOMPATIBLE 100% BIODEGRADABLE ACOUSTIC AND THERMAL INSULATION ANTI-IMPACT UV RAY PROTECTION FIT FOR ANIMAL FEED AFTER USE BUSINESS MODELS
EPS	FOSSIL	MIDDLE	UNLIMITED	MIDDLE	HIGH	MIDDLE	LOW	
MOLDED PULP	RENEWABLE (monoculture)	HIGH	6 MONTHS	MIDDLE	LOW	MIDDLE	MIDDLE	
OKA	RENEWABLE	ZERO	30 DAYS	HIGH	LOW	MIDDLE	HIGH	



# TEAM



**ÉRIKA CEZARINI**

DESIGN



**NATALIA DEL GAUDIO**

BIOTECNOLOGY



**FELIPE ROCHA**

COMEX



**EDUARDO MARTIN**

PRODUCTION ENGINEERING



**FERNANDO MARTINS**

TRADE



**OLIVIA YASSUDO**

BUSINESS STRATEGY

# THANKS



MAIL [comex@okabioembalagens.com.br](mailto:comex@okabioembalagens.com.br)

SITE <https://www.okabioembalagens.com.br/?lang=en>