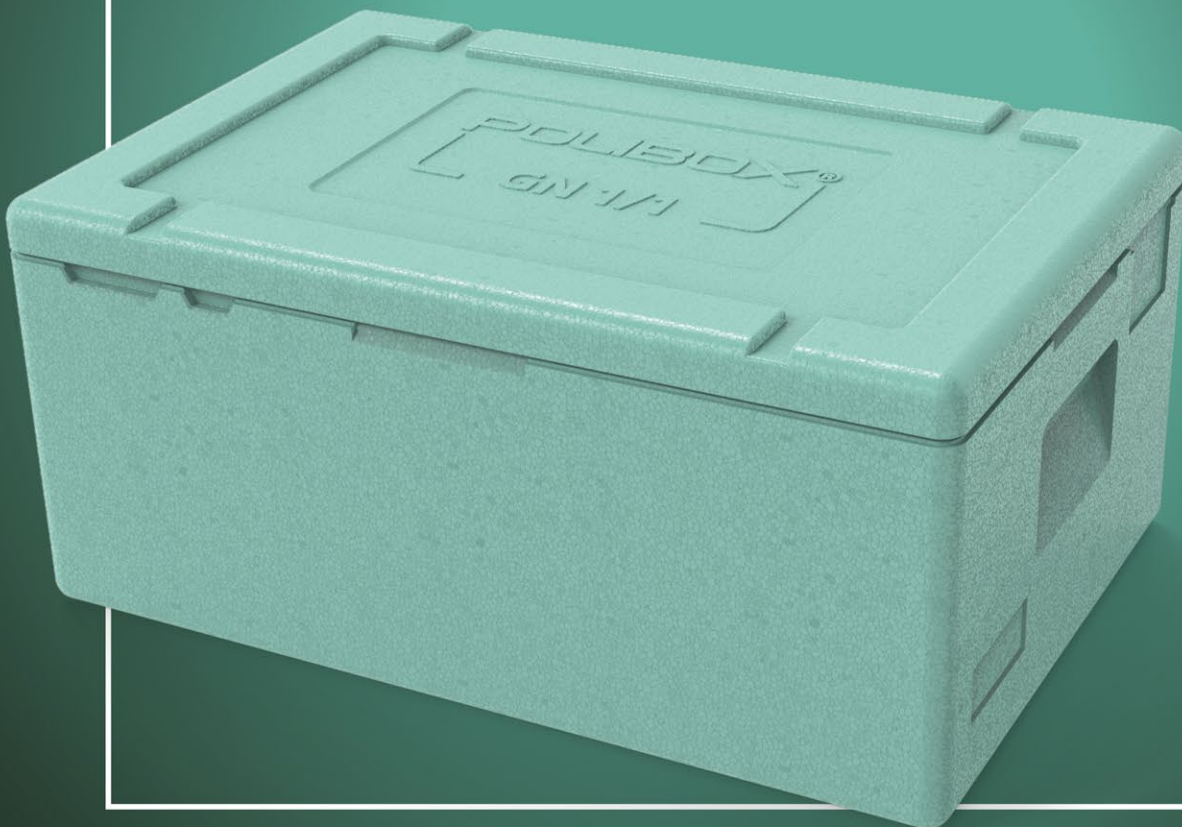


OCEANPOLIBOX®

**THE FIRST
ISOTHERMAL CONTAINER
MADE WITH 15%
RECYCLED MATERIAL
FROM FISHING NET**



POLIBOX®



(R)evolutionary

POLIBOX®



(R)evolutionary

TAKING PART IN A BETTER FUTURE

POLIBOX® is always focused on researching materials, finished items and technologically innovative products. POLIBOX® conceives the products as components of integrated systems and follows the production of the items faithfully and totally. POLIBOX® deals with the processes that go from the direct purchase of some raw materials to the total control of all the productive activities of specialized companies that work in partnership.



EPP WITHOUT CFC



LOW IMPACT



HEALTHY ENVIRONMENT



EVERY TIME YOU USE IT, YOU'RE GOING TO:



**RESPECT THE
ENVIRONMENT**



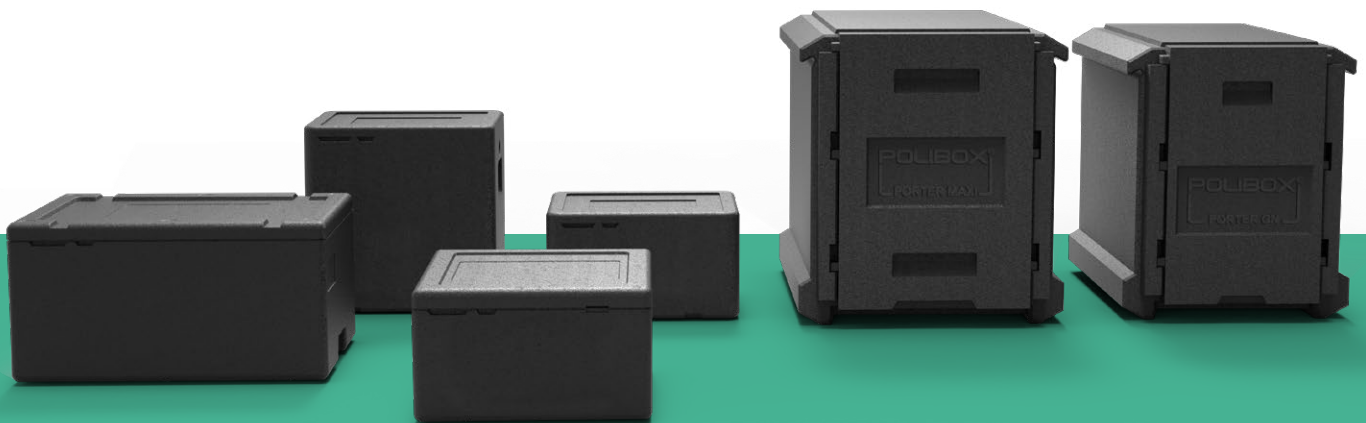
REDUCE WASTE



SAVE ENERGY

POLIBOX® CONTAINERS

Food and perishable items have very high conservation requirements. They must be maintained in a safe environment regarding health and hygiene. The other important requirement is the mechanical protection caused by the delivery of food products. And finally we have the temperature control. Today the need of HO.RE.CA. and catering companies is caring about ecological and environmental aspects. Our commitment has been and will be, in the coming years, to create product culture by promoting the reduction of environmental impact with our isothermal containers, as they are reusable, not disposable and above all 100% recyclable.



EXPANDED POLYPROPYLENE

Expanded Polypropylene used in the production of POLIBOX® is an ecological material: it is composed of 98% air and is recyclable. The basic material is oil. For the production of EPP, the pearls (form in which the polypropylene is presented at the early step) are swelled up to 50 times their initial volume by putting them in contact with hot water steam and nothing else. Hence chlorofluorocarbons are used neither for production nor for processing. Therefore the EPP does not harm the environment neither for its productive effect nor as a raw material, as it consists of air and only 2% of pure hydrocarbon structural material.

CO₂ REDUCTION

For the production of POLIBOX® only first quality virgin EPP is used, environmentally friendly: without CFC, polyurethane foams or other expanding gases. The goal is to use materials that minimize the environmental impact of CO₂ pollution. CO₂ reductions are the result of the ability to manufacture isothermal containers for foods that weigh up to 37,5% less.

100% RECYCLABLE

EPP can be burned with other municipal solid waste without producing poisonous or acidic substances, as if incinerated it produces only carbon dioxide (CO₂) and water (H₂O). 1 kg of expanded polypropylene saves about 1.3 kg of naphtha in incinerator operation.

You are allowed to dispose of the containers in normal landfills without affecting the environment, as the product is chemically neutral and does not pollute either the air or the aquifers.

We can safely say that these manufactured goods, shredded with solid urban waste, made mostly of air, contribute to the decomposition of organic waste.

PPE BENEFITS

RECYCLABILITY

POLIBOX is 100% recyclable.



LIGHTNESS

The reduction of the mass of the material and the number of minimized components drastically reduce the weight.

PPE



STRUCTURAL RESISTANCE

Main structural support thanks to the high strength/weight ratio.



ENERGY ABSORPTION

The closed cell structure guarantees a return to the original shape after the dynamic stresses.

UNIVERSITY OF STUDIES MILAN

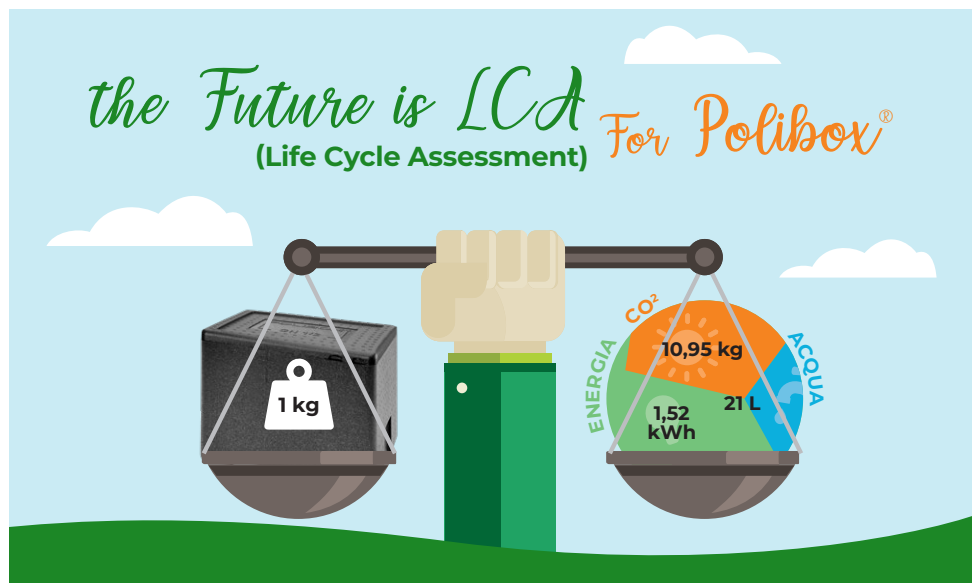
Department of Agricultural and Environmental Science production, territory, agro-energy.

Analysis of the life cycle of an innovative isothermal container for food preservation:

collection and analysis of data in reference to the production phase.

PURPOSE

Due to the collaboration between the Department of Agricultural and Environmental Sciences of the University of Milan and the company POLIBOX®, the environmental impact of the life cycle of a Polibox isothermal container was assessed.



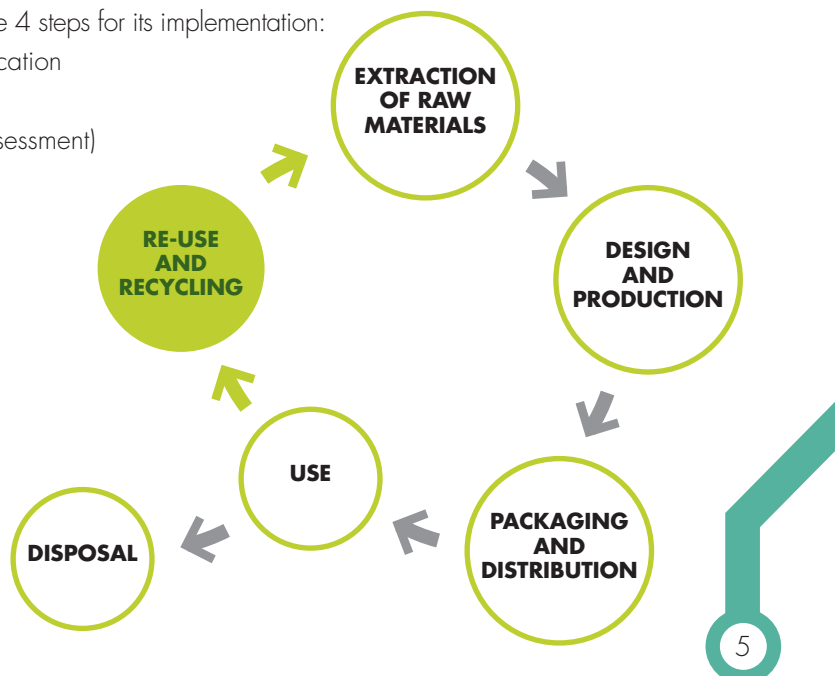
WHAT IS LCA (LIFE CYCLE ASSESSMENT)?

LCA (Life Cycle Assessment) is a quantitative tool to estimate the environmental impact of a product defined in the ISO 14040: 2006 and 14044: 2006 standards.

LCA is fundamental for companies who want to make decisions involving the environmental domain.

The ISO standards establish the structure of the LCA and define 4 steps for its implementation:

- Step 1: Definition of the objective and the field of application
- Step 2: Inventory analysis (LCI Life cycle inventors)
- Step 3: Evaluation of impacts (LCIA life cycle impact assessment)
- Step 4: Interpretation





POLIBOX® has expanded its product range by manufacturing isothermal containers made of EPP with recycled content (in particular fishing nets used in the fishing industry).

OCEANPOLIBOX®



**#OCEAN
POLIBOX®**



Frame the QR-code
with your smartphone camera to
**GET MORE
INFORMATION**



WHAT IS OCEANPOLIBOX®?

OCEANPOLIBOX® is the first isothermal container with 15% recycled material from fishing nets.

Laboratory ANALYSES carried out on the OCEANPOLIBOX® container have demonstrated its suitability for INDIRECT contact with food. Specific migration levels of substances, analysis discreening and sensory testing, have demonstrated its safety.



*Save
the Ocean*

Two blue dolphins are depicted in a stylized, jumping pose, positioned to the right of the 'Save the Ocean' text.

WHY CHOOSE OCEANPOLIBOX®?

OCEANPOLIBOX® is the sustainable container that does not alter characteristics of food and retains the insulating advantages of normal expanded polypropylene, thanks to its closed-cell structure.

The use of items made from recycled material promotes the recovery of waste and helps reduce waste, a virtuous cycle that is good for the environment.

POLIBOX® containers are strong, practical and lightweight, the the right solution for easy transport and storage of food!

OCEANPOLIBOX® is particularly important in the transport of temperature-sensitive products, such as food and pharmaceutical products, where the quality and safety of the products must be preserved during transport.



THE NEW POLIBOX® CONTAINER ENVIRONMENT-FRIENDLY

OCEANPOLIBOX® is **the first isothermal container made of expanded polypropylene and recycled material** from fishing nets used in the maritime industry. These nets are also known as 'ghost nets', which pose a serious problem for marine fauna and the environment.

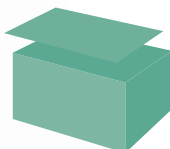


This container represents an innovative and sustainable solution for the transport of temperature-sensitive goods, as it provides excellent thermal protection and uses recycled materials to reduce environmental impact.

THE OCEANPOLIBOX® RANGE

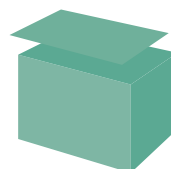
Gastro GN8

Cod. **124366**
600x400x270 mm
Capacity 38,6 lt



Gastro GN10

Cod. **124367**
600x400x340 mm
Capacity 52,3 lt



15%
RECYCLED
MATERIALS

A circular graphic consisting of two thick, curved arrows forming a circle. The top arrow is dark blue and points clockwise, while the bottom arrow is teal and points counter-clockwise. In the center of the circle, the text "15% RECYCLED MATERIALS" is written in bold, black, sans-serif font.

THE 100% RECYCLABLE CONTAINER

The use of recycled material from fishing nets reduces the consumption of natural resources and limits the pollution caused by their dispersion in the sea.

OCEANPOLIBOX® is a 100% recyclable container, which means that it can be used several times and then recycled at the end of its useful life, reducing the amount of waste produced.

OCEANPOLIBOX® containers help **reduce CO2 emissions by 7%** compared to standard isothermal containers.

By using OCEANPOLIBOX® you contribute to reducing the amount of plastic waste entering the natural environment.

In addition, OCEANPOLIBOX® provides excellent thermal protection thanks to the insulating properties of expanded polypropylene, ensuring that the transported products maintain the desired temperature during transport.

ICE MEMORY for the preservation
Arctic climate heritage!

At POLIBOX®, we are proud to
have supported the **Ice Memory
Foundation's** recent expedition,
which ended just short of the
#EarthDay2023

#**OCEANPOLIBOX®** was used
during shipping for logistical purposes
and for storing ice samples for analysis,
proving to be resistant and performing
even in the extreme Arctic weather
conditions!





v. 04/2023