

 **Guala Closures**
gualaclosures.com

Agenda

 **GROUP OVERVIEW**

 **SUSTAINABILITY APPROACH**

 **CONNECTED CLOSURES**

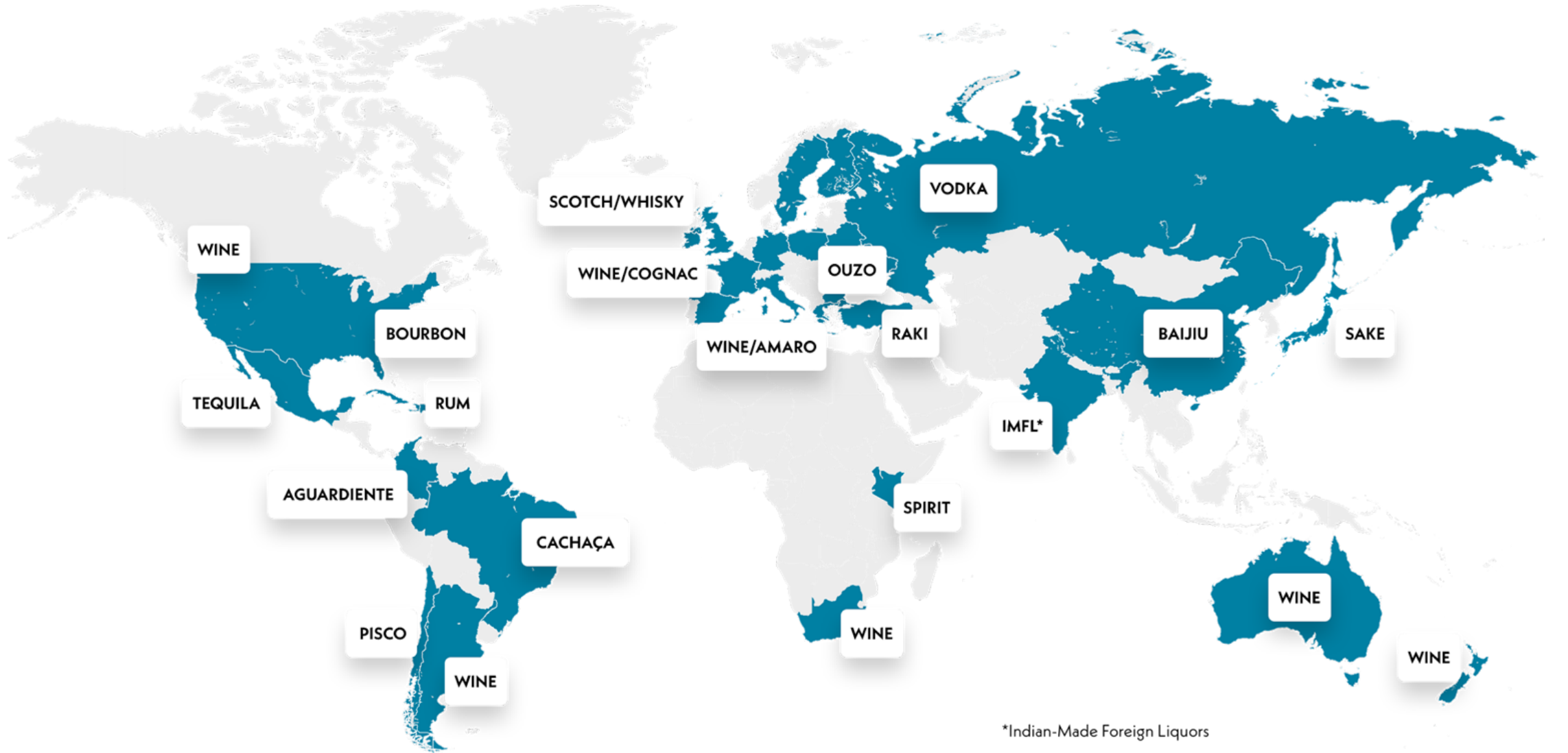
 **LUXURY CHOICE**

Key Figures

Market leader in the production of **aluminum** and “**non-refillable**” closures
with a wide range of **innovative, luxury, sustainable** and **technological** solutions
to **protect** the quality of the products. Since 1954



We are where our customers are



World leading producer of specialty closures

Luxury  Choice



Spirits  Choice



Wine  Choice



Water  Choice



EdibleOil  Choice



SAFETY
CLOSURES



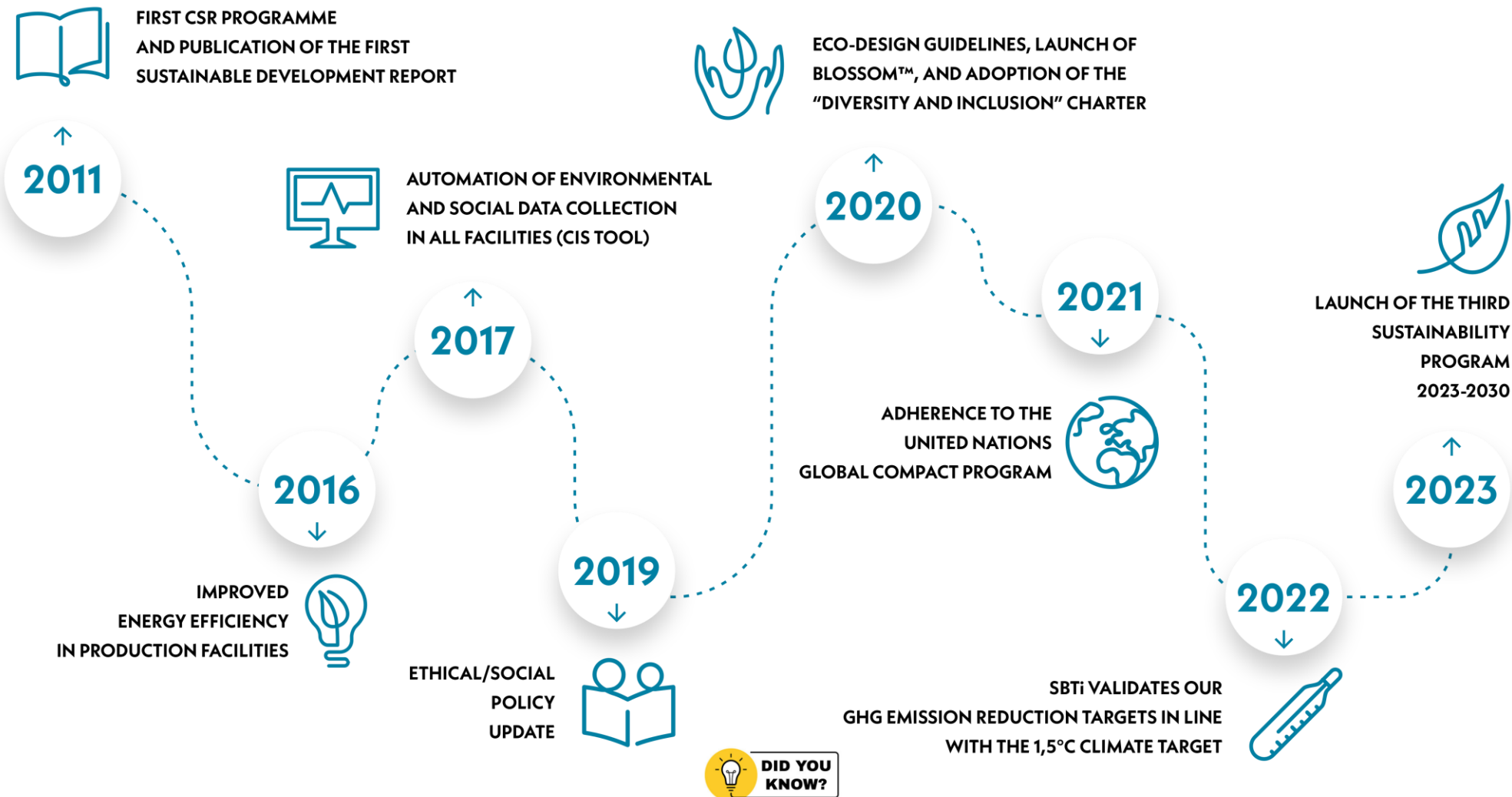
SUSTAINABLE
CLOSURES

 Blossom®
sustainable closures

CONNECTED
CLOSURES

 NESTGATE™
CONNECTED CLOSURES

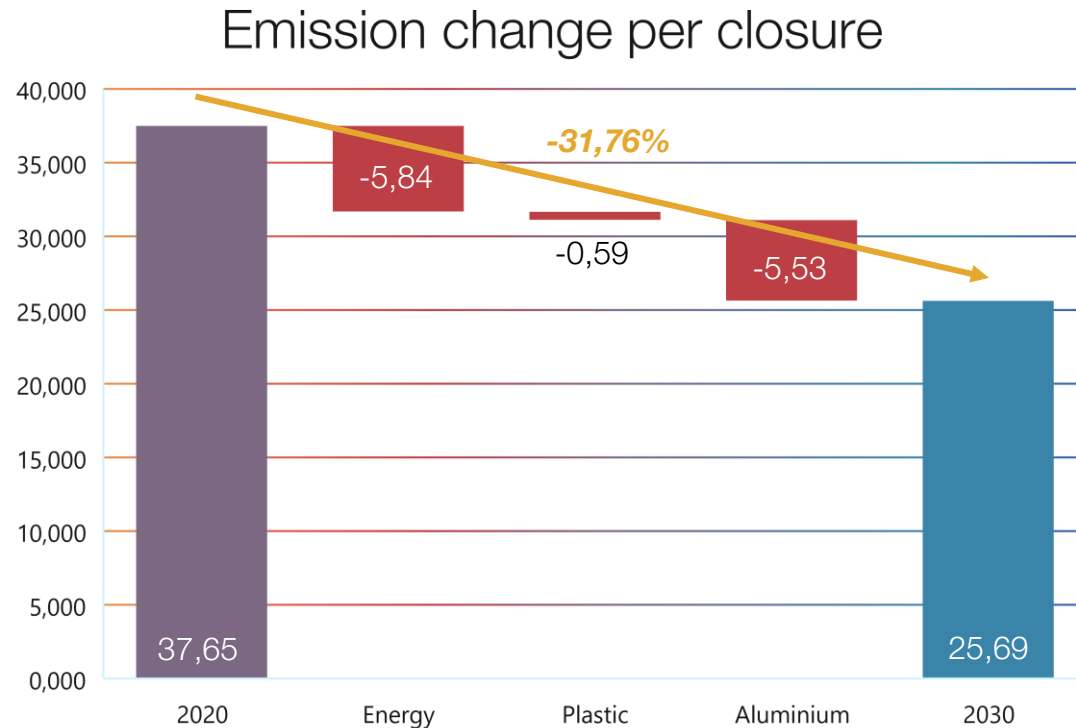
Our Sustainable Journey



More than 6.300 international companies, worldwide, have so far joined SBTi (*Science Based Targets initiative*) and **Guala Closures is among the group of 3.600** of these companies that have obtained approved targets.

Update Oct'23

Guala Closures sustainability agenda: Product Perspective



Considering the total emissions in Scope 1, 2 and 3, the **emissions of the average finished closure are equal to 37.65 grams of CO2eq.**

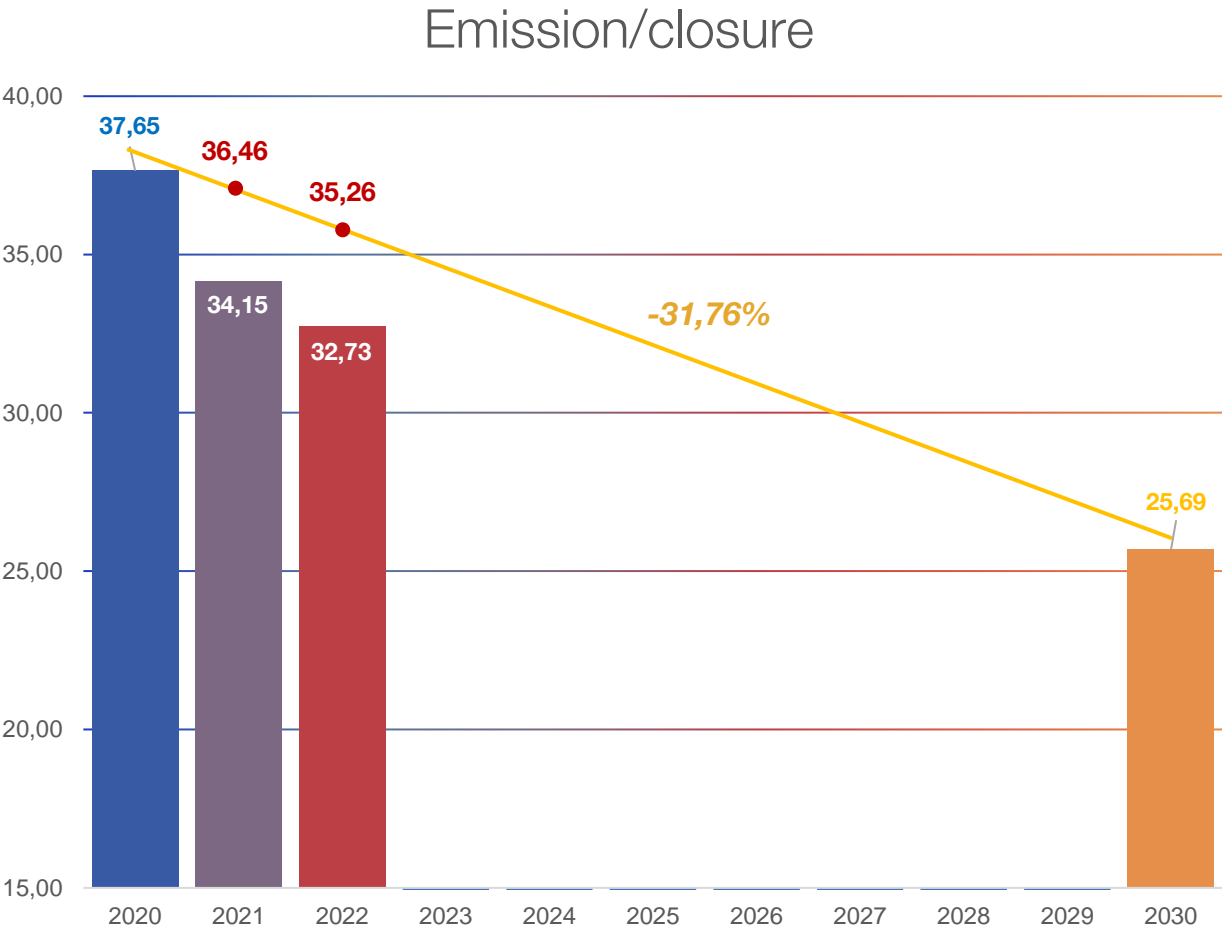
The purchase of electricity from renewable sources (80,79% of the total electricity purchased by the Group) reduces the emissions associated with the product by **5.84 gCO2eq, (-15.50%)**.

The replacement of ABS and PC respectively with ABS from mechanical recycling and PCTC + PP and the use of recycled PET (98%) and PP (10%) allows a further reduction in emissions of **0.59 gCO2eq per closure (reduction of 1.57%)**.

The usage of aluminium from Low Carbon Countries (LCC) up to 90%, or the increase in recycled content up to 60%, or a combination of the two, allows a reduction of **5.53 gCO2eq (-14.70%)**.

The combination of the three strategies allows a decrease in product emissions equal to **31.76%**, bringing emissions for finished closure to **25.69 gCO2eq**.

Guala Closures sustainability agenda: Product Emission trend



Considering a linear decarbonization path, both in 2021 and 2022, we have reduced our emissions per unit of product more than required by the strategy.

In 2021, the goal was to reduce emissions per unit of product by 3.18% compared to baseline 2020, and we achieved a reduction of 9.30%.

This advance on the strategy's trajectory was also confirmed in 2022, the year in which we achieved a 13.06% reduction, when the strategy called for a 6.35% reduction.

These performances have been obtained through the purchase of electricity from renewable sources, the use of recycled plastic (mostly PP and ABS), and the purchase of aluminium from low carbon countries.

Our approach to sustainable closures – Eco-design guidelines

With the aim of making the design of our closures increasingly **eco-friendly**, in 2020 we published our **Eco-design guidelines** defining 4 design models for sustainable solutions. This aligns completely with the sustainability objectives of our customers.



DESIGN TO REDUCE

This design aims to reduce the amount of resources and materials needed to produce the closure.



DESIGN TO CHANGE

This design has the aim of abandoning materials from limited or non-renewable resources and adopting recycled or renewable materials.



DESIGN TO FADE

This design chooses biodegradable polymers.




DESIGN TO REVIVE

This design aims to make the closures easily recyclable.

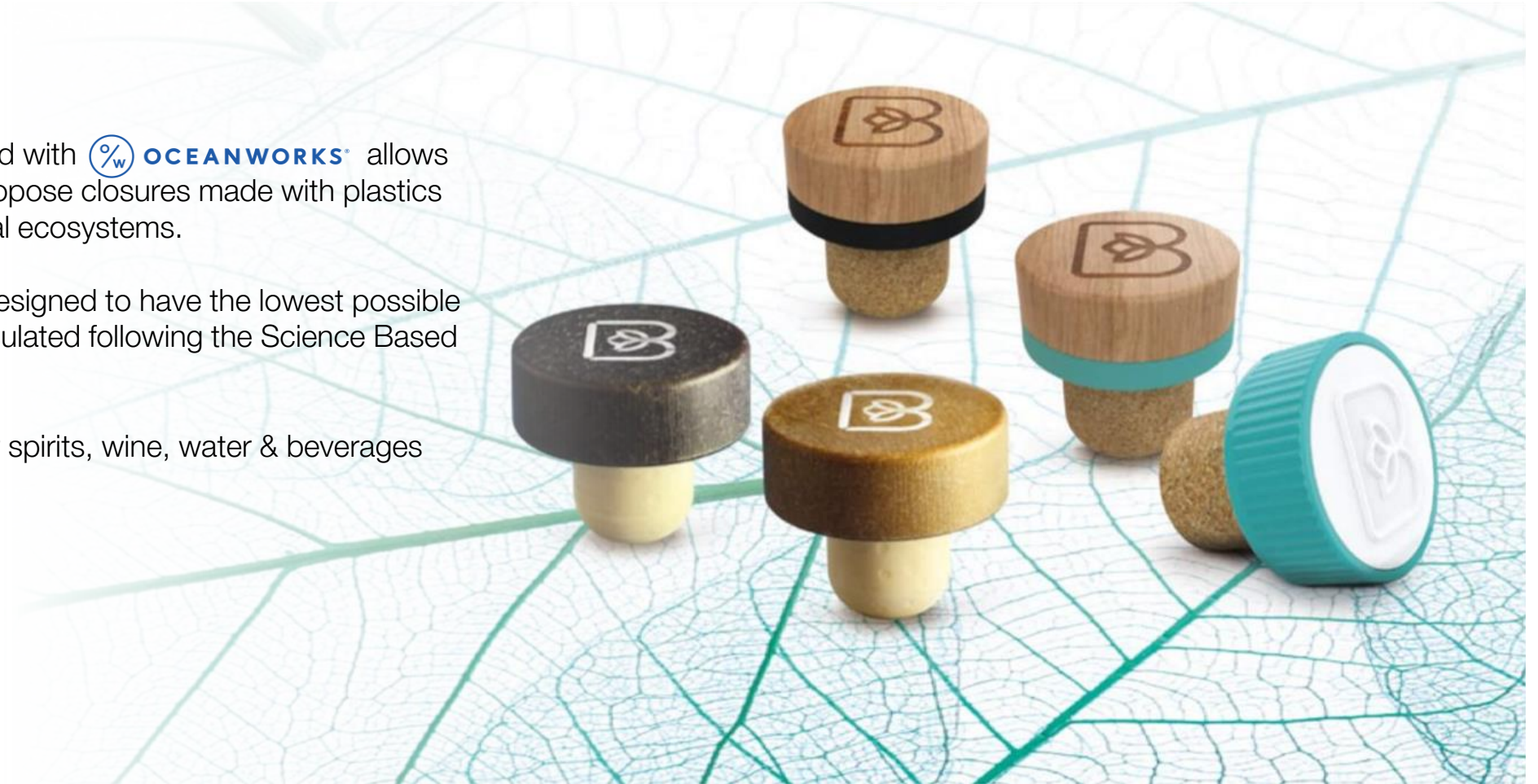
Design new closures and improving existing ones with the aim of achieving SBTs by applying consistent design methods

Our Sustainable Products Offer

The agreement signed with  **OCEANWORKS**[®] allows Guala Closures to propose closures made with plastics collected from coastal ecosystems.

These closures are designed to have the lowest possible carbon footprint, calculated following the Science Based Targets protocols.

Closures available for spirits, wine, water & beverages



Our Sustainable Products Offer

BIO AGAVE CLOSURES

Bio Agave closures produced using materials obtained from leftover vegetable fibers from the production of tequila.

First closure made with plastic loaded with agave fiber coming out from the waste of the tequila production process.

These materials serve as a **sustainability alternative to traditional plastics** offering similar performance on their applications.

The use of this material incorporated to our customers packaging are **contributing to** their **circular economy** goals and the process to **reduce plastics** on their packaging.



Our Sustainable Products Offer

RECYCLED PLASTICS


Reduced carbon footprint and finite resources consumption with recycled plastics.

- **Post consumer recycled plastics**, coming from municipal waste management streams
- Oceanbound recycled plastics. The agreement signed with  **OCEANWORKS®** allows Guala Closures to propose closures made with plastics collected from coastal ecosystems.



Our Sustainable Products Offer

RECYCLED PLASTICS

Guala Closure's t-stopper for Macallan Harmony Collection has been entirely made of **recycled ABS and recycled PP** sourced from  **OCEANWORKS®** plastics.

The closure follows Guala Closures eco-design guidelines and, in particular, the “**design-to-change**” model, that enforces the principle of abandoning finite resources and adopting recycled materials, or materials produced from renewable sources.



Our Connected Closures

- **NFC (Near Field Communication)** technology offers personalized product information and creates a one-to-one connection between the brand and the end-user.
- **QR code** technology, which is capable of sharing exclusive content with the consumer, with a simple scan of their smartphone.



consumer engagement



track & trace



big data acquisition



bottle authentication



customizable



Our Luxury Choice: unique and precious closures

Luxury  Choice





FROM MATERIALS TO LUXURY PRODUCTS

The choice of a closure's material is a crucial element with a significant impact on the final product appearance. The careful selection of the material, combined with shapes, textures and custom finishes, allows for the creation of iconic closures able to stand out in the market

Our Materials



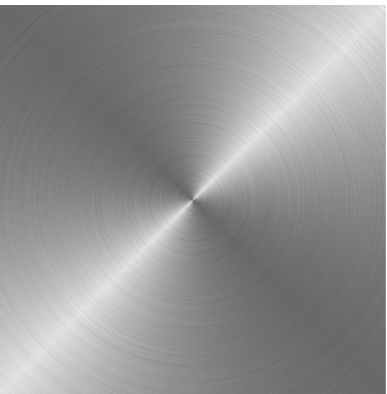
WOOD



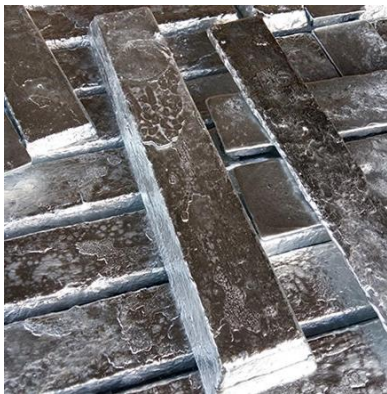
**NATURAL
CORK**



**MICROAGGLOMERATED
CORK**



ALUMINIUM



ZAMAK



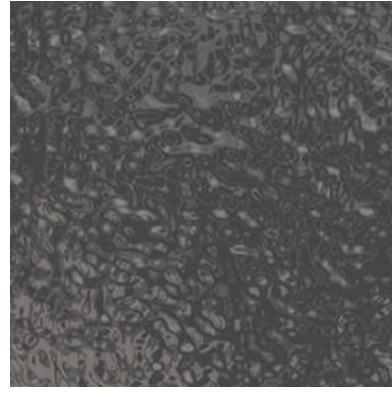
GRAVITAS



PLASTIC



CERAMIC



GLASS

Strong in our history, open to the future

Sustainability is at the base of everything we do
both internally and externally through the products we make

For almost 70 years we have been creating
innovative, high-quality bottle closures, pushing the
boundaries of the industry ever further

Innovation and high service level are in our DNA,
guiding our way of working and our relationship with customers

We are able to offer
advanced, efficient and personalized solutions,
by anticipating market trends as well as our customers' needs

**PRESERVING EXCELLENCE,
EMPOWERING BRANDS**

The background of the image is a collage of hair closure products and design sketches. In the upper left, there are three hair closures: one with a woven texture, one with a fine mesh, and one with a circular pattern. A black pen lies diagonally across the center. Below the pen are several hand-drawn sketches of hair closures, some with labels like 'MEDE + LARGO', 'LOW WOOD', 'PIES', and 'LOW WOOD'. The overall theme is hair closure design and craftsmanship.

THANK YOU



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BACKUP



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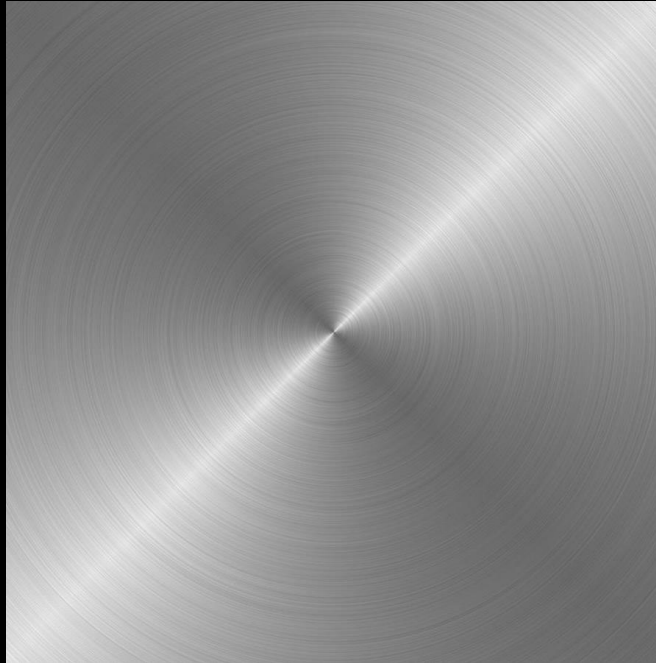
Wood



The **warm naturalness** of wood enhanced by refined and **elegant finishes** to enrich the nuances and grain of the material



Aluminium



The **elegance and brightness of aluminium** in the widest range of colours, finishing and processing techniques, to create exclusive **visual and tactile experiences**



Plastic



The most malleable material is at your service.

Shapes & colors are endless, it can take any form desired. The only limit will be the imagination



Zamak



Combinations of precious materials, shapes and decorations, to create **unexpected visual and tactile sensations** while representing the uniqueness of the brand



Gravitas



Smooth textures and bold
new materials deliver a
luxuriously **heavier weight**
for an outcome that is cool
to the touch



Ceramic



Always a protagonist in the arts and design, this material gives an **incomparable visual effect** combined with excellent performance



Glass



Bright and luminous,
glass is considered
synonymous with **class**
and purity. Its versatility
makes it possible to create
unique closures with a
modern styles



BEST PRACTICE - Haig Club



BRAND
COMPANY
PRODUCT
MATERIALS
R&D CENTRE

HAIG CLUB	
	Diageo
	Whiskey
	Gravitas + Microagglomerated cork
	GC UK

BEST PRACTICE - Cuervo



Jose
Cuervo

BRAND
COMPANY
PRODUCT
MATERIALS
R&D CENTRE

CUERVO
Proximo Spirits
Tequila
Safety closure with plastic
GC Mexico

BEST PRACTICE - Macallan





EST. 1824

The
MACALLAN[®]

HIGHLAND SINGLE MALT
SCOTCH WHISKY

BRAND	MACALLAN
COMPANY	Edrington
PRODUCT	Whiskey
MATERIALS	Oceanworks [®] plastic
R&D CENTRE	GC UK

BEST PRACTICE - Whistle Pig



BRAND
COMPANY
PRODUCT
MATERIALS
R&D CENTRE

WHISTLE PIG

LVMH

Whiskey

Zamak

GC Bulgaria

BEST PRACTICE - Italicus





BRAND	ITALICUS
COMPANY	Pernod Ricard
PRODUCT	Rosolio di Bergamotto
MATERIALS	Plastic + Synthetic Cork
R&D CENTRE	GC Labrenta