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# Driving Sustainable Innovation



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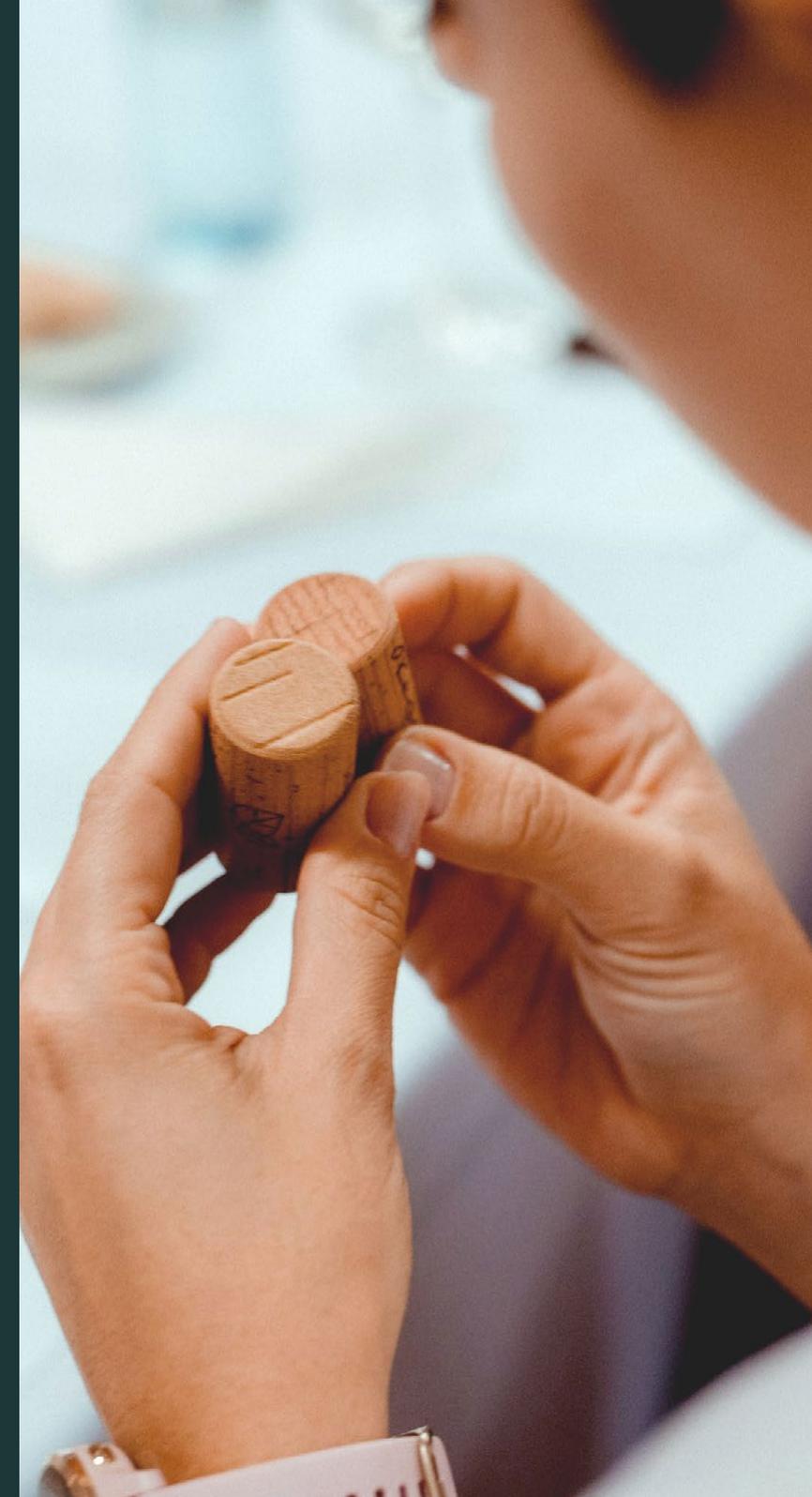


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# A Word from our Management

« Thank you for sharing our passion & commitment to sustainability. »

At Vinventions, we are committed to delivering the most sustainable and highest-performing solutions to our CUSTOMERS, offering the most sustainable and empowering work environment for our PEOPLE, and contributing to the harmonious and sustainable development of our COMMUNITIES.

Since our inception in 1999, our group has continually and responsibly contributed to the development of our industry, our associates, and our environment. For our teams and ourselves, this remains an unwavering commitment.

Our approach emerged from our commitment to protect the environment from waste and to solve the problems of cork taint and wine oxidation once and for all.

As such, and through the influence we have had on the wine industry, we are proud to contribute to significantly reducing the waste of bottles, corks, caps, and of course, wine. The fight against waste and deterioration of materials remains our first pillar of sustainable development. Our responsible approach has been continuously reflected in the following ways:

- Continuously developing new, efficient, and environment-friendly products, made from renewable (Nomacorc Green line®), circular (Nomacorc Blue line© and Vintop©), or biodegradable (SÜBR®) materials.
- Investing in increasingly efficient production processes to reduce our ecological footprint: low water consumption, use of renewable energy, and reuse of waste.

- Creating and developing nurturing and healthy workplaces for our associates.
- Empowering and developing our employees, building strong teams, and never compromising on ethics or integrity.
- Increasing our contribution to the harmonious development of our society through supporting local initiatives and the philanthropic activities of our associates.
- Helping our customers create better wines with WQS analytical tools and services

The start of 2022 was particularly marked by an increase in the prices of raw materials and the cost of energy. Unfortunately, the dramatic events that affected Ukraine, beyond the human tragedy they generated, further aggravated this situation. This general increase in material costs had a strong and negative influence on our industry.

In this difficult context, our company has persevered in the development of increasingly eco-responsible products. This was achieved through the launch of Nomacorc Ocean, a new closure made using recycled Ocean-bound plastic (OBP), and by earning the Net Zero Plastic to Nature certification for the Nomacorc Blue Line. This achievement concretely reflects Vinventions' vision to be a sustainability leader in the wine industry and is the most recent milestone in the company's long-term sustainability journey to help preserve our planet.

Finally, in 2022, we continued our cork collection programs and collaborated with a startup in Belgium to develop a wine bucket made from recycled Vinventions' wine closures ([www.retorno.eu](http://www.retorno.eu)).



All while continuing to promote responsible, durable, and high-performance plastic products that meet the needs of our customers, who are increasingly demanding when it comes to the longevity of their products.

2023 will once again be a complex year with new challenges brought by inflation and resulting in lower consumption, as well as the scarcity of raw materials.

Nevertheless, thanks to the support of our associates, customer partners, and shareholders, we are committed to persevering to ensure the sustainable development of our organization.

From left to right:  
Stéphane **Vidal**,  
Denis **Van Roey**,  
Justin **Sternberg**,  
Brigitte **André**,  
Stanislas **Descours**,  
Frédéric **Grégoire**,  
Andres **Belinsky** and  
Gerard **Hirdes**

# Vinventions at a Glance

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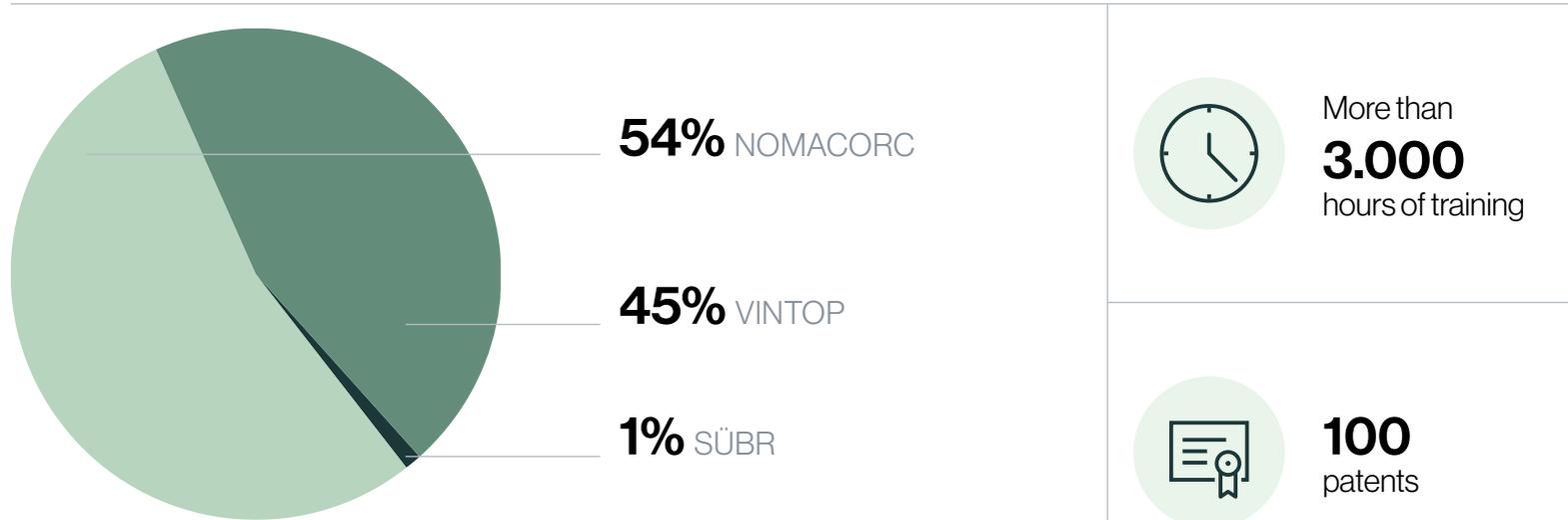
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2022 Closure Range Portfolio breakdown

4 Products ranges

NOMACORC

SÜBR

VINTOP

WQS

# Our Sustainability Journey

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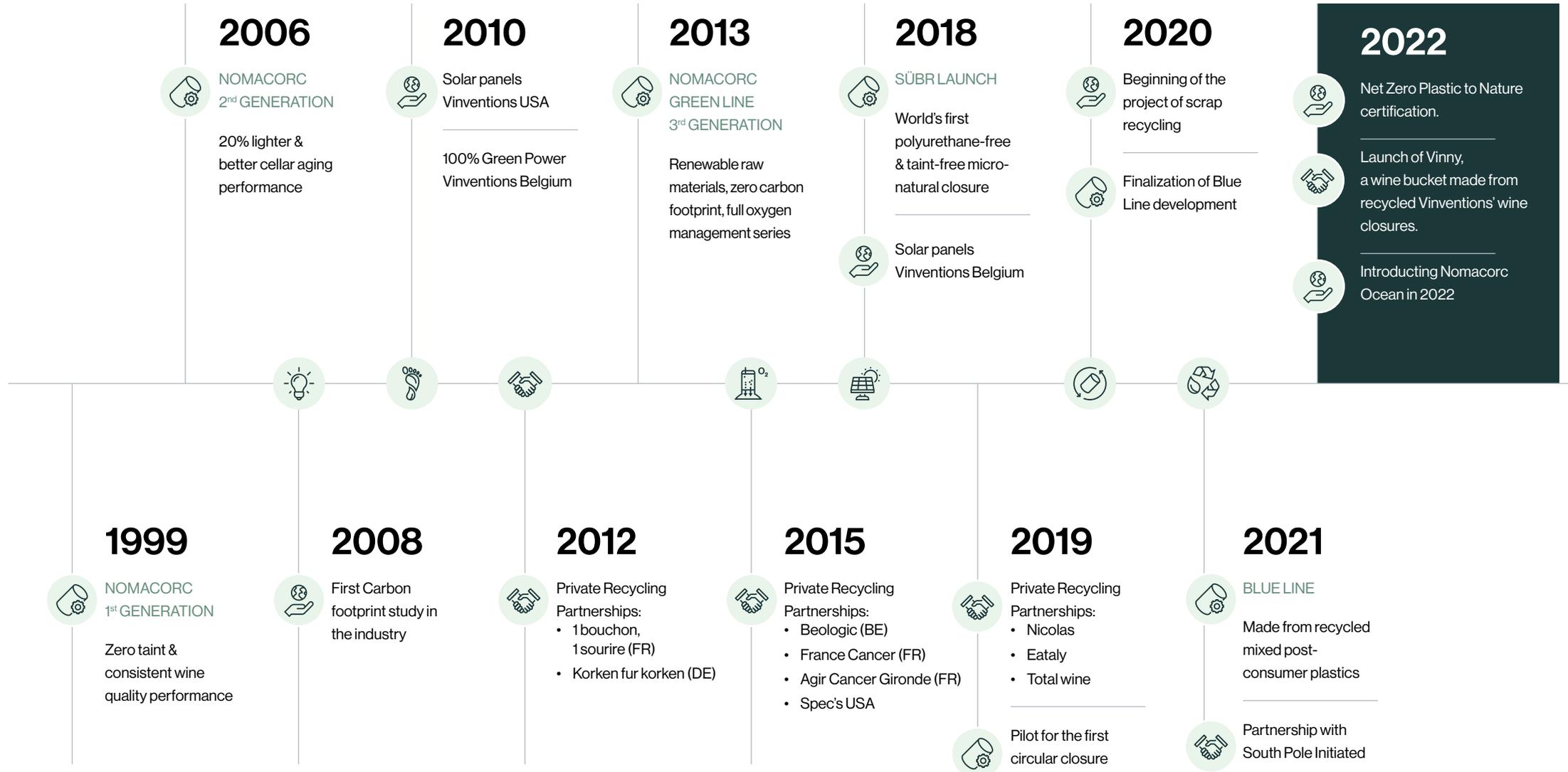
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# Our Markets Our Customers

Vinventions is active in the wine markets across five continents.

## Some information about the wine market

In 2022, global wine consumption reached 236 million hectoliters (mhl), showing a modest growth of 2 mhl (+0.7%) compared to the previous year. This marks a positive shift from the downward trend observed since 2018, primarily due to declining wine consumption in China, which has experienced an average annual loss of 2 mhl. The COVID-19 pandemic exacerbated this decline in 2020, affecting wine markets due to lockdown measures, disruptions in the Hotel/ Restaurant/Café (HoReCa) channel, and reduced tourism. However, in 2022, the easing of restrictions, reopening of HoReCa channels, and resumption of social events and celebrations contributed to increased consumption in most countries. Nonetheless, wine consumption patterns vary significantly across geographical regions.

\*OIV: [Source](#)

EVOLUTION OF WORLD WINE PRODUCTION IN 2021

mhl	2017	2018	2019	2020 Prov.	2021 Prel.	21/20 % Var.	2021% world
Italy	42.5	54.8	47.5	49.1	50.2	2%	19.3%
France	36.4	49.2	42.2	46.7	37.6	-19%	14.5%
Spain	32.5	44.9	33.7	40.9	35.3	-14%	13.6%
USA	24.5	26.1	25.6	22.8	24.1	6%	9.3%
Australia	13.7	12.7	12.0	10.9	14.2	30%	5.5%
Chile	9.5	12.9	11.9	10.3	13.4	30%	5.2%
Argentina	11.8	14.5	13.0	10.8	12.5	16%	4.8%
South Africa	10.8	9.5	9.7	10.4	10.6	2%	4.1%
Germany	7.5	10.3	8.2	8.4	8.0	-5%	3.1%
Portugal	6.7	6.1	6.5	6.4	7.3	14%	2.8%
China	11.6	9.3	7.8	6.6	5.9	-10%	2.3%
Russia	4.5	4.3	4.6	4.4	4.5	2%	1.7%
Romania	4.3	5.1	3.8	3.8	4.5	16%	1.7%
Brazil	3.6	3.1	2.2	2.3	3.6	60%	1.4%
New Zealand	2.9	3.0	3.0	3.3	2.7	-19%	1.0%
Hungary	2.9	3.6	2.7	2.9	2.6	-12%	1.0%
Austria	2.5	2.8	2.5	2.4	2.5	3%	0.9%
Greece	2.6	2.2	2.4	2.3	2.4	6%	0.9%
Georgia	1.0	1.7	1.8	1.8	2.1	17%	0.8%
Moldova	1.8	1.9	1.5	0.9	1.1	20%	0.4%
Other countries	15.1	16.7	15.4	15.2	15.0	-1%	5.8%
<b>World total</b>	<b>249</b>	<b>295</b>	<b>258</b>	<b>263</b>	<b>260</b>	<b>-1%</b>	<b>100%</b>

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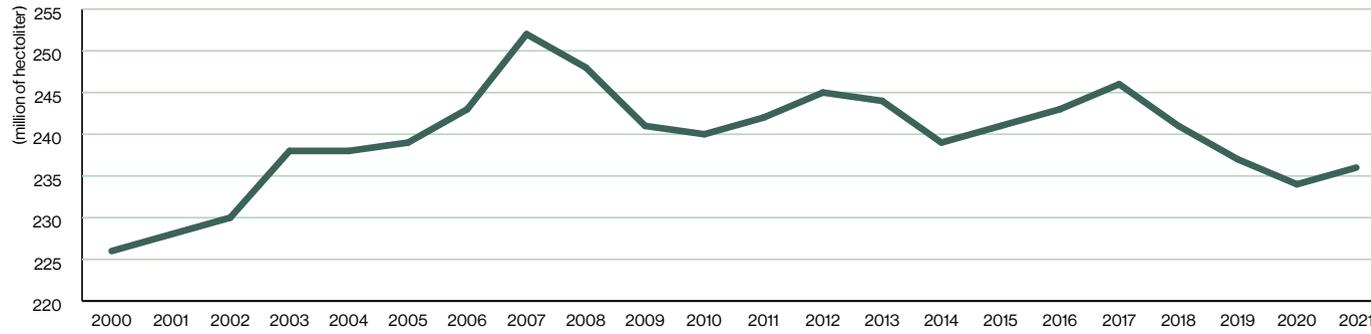
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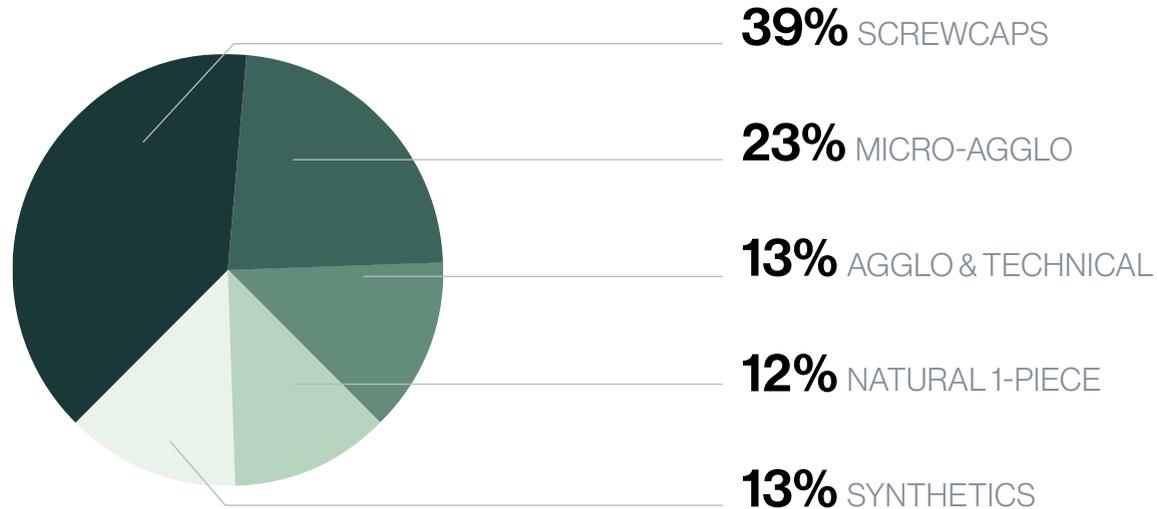
# Our Markets Our Customers

EVOLUTION OF WORLD WINE CONSUMPTION IN 2021



Source: [https://www.oiv.int/sites/default/files/documents/OIV\\_State\\_of\\_the\\_world\\_Vine\\_and\\_Wine\\_sector\\_in\\_2022\\_2.pdf](https://www.oiv.int/sites/default/files/documents/OIV_State_of_the_world_Vine_and_Wine_sector_in_2022_2.pdf)

GLOBAL CLOSURES MARKETSHARE IN 2021



In the last two years, we can see some trends:



Quality over quantity



Growth alternative packaging



Growth of e-commerce

Natural and lower-sulphite wines

Non-alcoholic and low-alcohol wines

Supply chain issues

Rosé year, decline of red wine

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# Key Evolutions of Our Market



## Climate change and quality/quantity of grapes

Global climate change already has observable effects on the environment.

The consequences of climate change include direct indications such as shrinking glaciers and destroyed habitats, as well as indirect long-term effects on nature and society, such as crop failure, flooding, and energy shortages.

According to estimates by OIV, overall wine production was 260 million hectoliters for 2021, slightly down compared to the previous year, and lower than the generally observed average for the past three years. This decrease is primarily due to a significant drop in production in EU countries that have experienced climate-related issues.

2021 was marked by a severe period of intense frost in the spring.

In 2022, we witnessed an increased frequency of frost, heatwaves, and water scarcity. This year perfectly demonstrated the impact of global warming on vineyards.

The harvest occurred very early in 2022, following the scorching summer. High temperatures led to the grapes ripening earlier than usual. As a result, the aromas did not have enough time to fully develop within the grapes. This can affect not only the quality of the wine, but also the quantity produced.

While the vine has shown resilience and the 2022 vintage looks very promising, it is time to reinvent the sector to adapt to the evolving climate conditions and ensure sustainable future harvests.

The sector has begun formulating an adaptation strategy. This adaptation will not merely involve the use of more suitable grape varieties; it will also necessitate a rethinking of the wine-making process.



## Glass bottle scarcity

The scarcity of glass bottles is partly caused by Covid and war in Ukraine..

The industry has been significantly impacted by Covid. Although all production sites have nearly returned to normal, the repercussions of the shutdown will be felt for a long time to come. Currently, we are experiencing a scarcity of resources and raw materials across various sectors: wood, aluminum, semiconductors, bicycles, and even glass packaging.

In 2020, amid the health crisis, demand for glass bottles and packaging decreased significantly, leading to a drop in production that the glass industry had never experienced. However, a strong recovery took place across Europe in 2021, breaking the record for glass packaging production. Yet, in Europe, 40% of empty bottles are imported. As these countries also have high demand for glass packaging, domestic glassmakers have tended to favor their local customers, resulting in a steep drop in the availability of imports. The second cause of glass bottle scarcity

is the war in Ukraine, a country which exported around 400,000 tons of glass per year. This shortfall in volume has amplified tensions in Europe by domino effect. Increasing production capacity would require investing in the construction of new furnaces, a process that takes approximately two years.

This crisis has pushed creativity to its maximum, leading to the exploration of alternatives such as deposits or PET bottles.

The lack of resources creates competing demands, which ultimately affects the prices of the final product. Today, winegrowers are not only concerned about the availability of glass bottles but also about the escalating prices.

Furthermore, winegrowers are grappling with the impacts of the climate crisis, and they have the opportunity to reduce their carbon footprint by reevaluating the use of bottles.

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# Key Evolutions of Our Market



## Eco-design packaging

In 2022, we witnessed numerous examples of voluntary simplicity, encompassing everything from closures to labels and even the establishment of reuse circuits. This emerging trend represents a clear embodiment of eco-responsible winemaking.

Vineyards, which are continually focused on vineyard work and soil health, have now extended this mindset to packaging elements.

One significant aspect of sustainable packaging is the elimination of the overcap. Due to availability issues, many winegrowers have chosen to eliminate it entirely.

However, sustainable packaging involves more than just removing the overcap. It encompasses various elements such as recycled paper labels with water-soluble glue, durable and lightweight caps, returnable options, and r-PET bottles.

The overarching goal is to minimize the environmental footprint of wine bottles as much as possible.



## Energy prices

«In 2022, the price of energy in the EU reached record levels. The rise, driven by global increases in wholesale energy prices, began in 2021 following the COVID-19 pandemic and growing international demand. The Russian invasion of Ukraine and climate conditions have further exacerbated the situation. \*(Source: <https://www.consilium.europa.eu/fr/infographics/energyprices-2021/>)

As the EU heavily relies on energy imports, the rise in import prices from the second quarter of 2021 has impacted both producer and consumer prices. In 2022, Russia's war on Ukraine and its decision to suspend gas deliveries to some EU member states have contributed to soaring gas prices, leading to record-high electricity prices in the EU.

The heatwaves during the summer of 2022 have added additional pressure to the energy markets. On one hand, they caused increased energy demand for cooling purposes, while on the other hand, they decreased energy supply due to drought and reduced hydropower generation.

The energy crisis has had a significant impact on the wine sector, particularly with regards to the rising prices of dry materials such as bottles and boxes. Our Nomacorc product range has also been affected.

In 2022, Nomacorc experienced cost increases of over 30% in the production of its range of products. The rising costs of raw materials, labor, energy, and transportation have all contributed to a significant increase in the production and distribution costs of Nomacorc closures produced by our group.

The year 2022 was unprecedented in terms of the tariff dimension, and the initial months of 2023 suggest a new challenge for the sector: the security of supplies. At the beginning of the year, many wineries are facing difficulties in obtaining all of their dry materials, with delivery times that are not only long but also uncertain.

Introduction

# Key Evolutions of Our Market



## Decrease of the wine consumption

Every year, the OIV reveals the major trends in wine consumption worldwide. Globally, wine consumption is experiencing a very slight increase (+0.7% in 2022), still impacted by the Covid-19 crisis. In the ranking of wine-consuming countries, the United States leads with 14% of global consumption, followed by France (11%), Italy (10%), Germany (8%), and the United Kingdom (6%).

Chinese wine consumption, once seen as promising a few years ago, has sharply declined since the implementation of «zero Covid» measures in the country. According to the OIV, wine consumption in China has decreased from 1.9 billion liters in 2017 to 1 billion liters in 2022.

In Europe, particularly in France, the trends are downward. Over the past 60 years, wine consumption in France has decreased by 70%, with a confirmed downward trend each year. Younger generations appear to be less interested in wine compared to their elders, as wine consumption among 18–35-year-olds has declined by 7% between 2011 and 2021, compared to 1% among seniors (source: Kantar for RTL).

One notable trend is the preference for consuming «less but better» wine, as the average budget allocated to wine is increasing. According to the OIV, while people over 55 tend to purchase wine more regularly, younger generations prefer to consume wine on special occasions, with a higher budget per bottle.

In addition to wine quality, consumers are increasingly attentive to environmental labels such as those indicating committed winegrowers, HVE, Terra Vitis, and more. A survey reveals that 53% of French customers are willing to pay more for a wine with an environmental label (source: Sowine / Dynata, 2022).



## Gender equality

Gender equality, also known as equality between women and men, refers to the equal rights, responsibilities, and opportunities of women and men, as well as girls and boys. It does not mean that women and men will become identical, but rather that their rights, responsibilities, and opportunities should not be determined by their gender at birth.

Gender equality entails considering the interests, needs, and priorities of both women and men, acknowledging the diverse experiences of different groups within these genders. It is not solely a women's issue, but a matter that should involve and engage men alongside women. Equality between women and men is viewed both as a human rights issue and as a prerequisite for, as well as an indicator of, sustainable and people-centered development.

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## Our Results



# Sustainability at our core

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## 6 STRATEGIC PILLARS

- Growth
- Global
- Sustainability
- Innovation
- Excellence
- Founder's values

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# Our Sustainability KPI's

### This year

In 2022, we recalibrated all KPIs to a weighted average of the 6 main manufacturing sites: Thimister in Belgium, San Juan in Argentina, Zebulon in the US, Rivesaltes in France, Fussgoenheim in Germany, and Cella Enomundo in Italy. Consequently, we adjusted the historical data for 2020 and 2021 to represent weighted averages as well.

We maintained the same 14 KPIs as last year but have provided more data to explain the changes in each KPI. The KPIs are presented in pairs, indicating their impact on the seven different themes and actions listed in the middle box.

Similar to last year, we did not include data from our smaller production sites in Wellington, South Africa, and Yantai, China. These sites account for only 1% of our closure sales, and thus do not significantly influence the weighted average of any indicators.

In July 2022, Vinventions acquired Federfin, along with its production site in Tromello, Italy. Federfin's inclusion would have had a substantial impact on the sales volume and KPIs. However, integrating these numbers into this report was premature. They will be incorporated into the 2023 report.

	SAFE & ENGAGED ASSOCIATES	
	LOW ENERGY CONSUMPTION	
	DECARBONIZING OUR ENERGY	
	LOW WATER CONSUMPTION	
	DIVERSIFIED WORKFORCE	
	RENEW/CIRCULARIZE & RECYCLE	
	RECYCLING OUR WASTE	

### Next year

Starting next year, we will be transitioning from a CSR report to an ESG report. In preparation for our ESG reporting obligations, which begin in the book year 2024, we will transform this report accordingly.

The activities of our Tromello Italy site will be included in the report, leading to significant shifts in our KPIs. Conversely, we will no longer report on the Fussgoenheim Germany site, which closed at the beginning of 2023. As a result, we will need to recalibrate the KPIs to represent the weighted average of all sites and adjust the historical values accordingly.

The number of KPIs will increase, and we will include scope 1, 2, and 3 CO<sub>2</sub> emissions in our reporting. Additionally, we will introduce new KPIs related to social and governance aspects. We will also review and recalibrate targets for all KPIs.

# Vinventions 6 Sites KPI Summary

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Impact	KPI	Unit	2022 Actual	Progress vs LY	
Safety	Lost Time Accidents (LTA) frequency rate	# Accidents with lost time per 1 M working hours	13,2	17% improvement	👍
Engaged Associates	Average years of service	years	9,3	3% increase	👍
Diversity	% women in workforce		28% = best-in-class*	3% decrease	👎
	% women blue collar		17,9%	6% decrease	👎
	% women white collar		43,0%	3% increase	👍
Energy use	Total energy consumption	MWh per 1 M closures sold	8,2 = best-in-class*	1% decrease	👍
	Electricity consumption	MWh per 1 M closures sold	7,9	7% increase	👎
	Natural gas	m³ per 1 M closures sold	31	18% decrease	👍
Decarbonized power	% sustainable electricity		73,9%	1% decrease	👎
	% renewable electricity		60,6%	11% increase	👍
Water use	Water intake	m³ water intake par 1 M closures sold	8,5 = best-in-class*	18% increase	👎
	Net water loss	m³ water loss par 1 M closures sold	1,9 = best-in-class*	36% increase	👎
Fossil-free raw materials	% renewable/circular innerseal closure sales		58%	4% decrease	👎
Recycle closure waste	Post-consumer wine closures offered to recyclers	Tons of PCR closures	88,5	3% increase	👍
Production waste	Net production waste	kg waste per 100k closures sold	5,9	8% increase	👎
	% Production scraps offered for recycling		92%	No change	👍

\*Best-in-class is referenced to CSR data from other listed wine closure producers.

# People



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Our Results: People



# Safe & Engaged Associates



**Our goal is to have a 5% YOY improvement of our lost time accident frequency rate leading to zero accidents in 2030**

## Lost time accidents frequency rate

In 2022, we recorded a total of 683,590 aggregated working hours, which is a 5% decrease compared to 2021. During this period, we had 11 accidents involving associates that resulted in one or more days of lost time. This marks a 21% improvement in accident prevention. The credit for this achievement goes to Zebulon and Celle Enomondo, which maintained a perfect score of zero accidents, and heightened attention to worker safety in Thimister throughout 2022. However, we unfortunately experienced an increased number of accidents in San Juan, Rivesaltes, and Fussgoenheim, which we are actively addressing in 2023.

Correspondingly, our lost time accident frequency rate (LTA fr), based on 1 million working hours, **improved by 17%**.

## Average length of service

In 2022, we had a total of 466 employees across the six sites, representing a 7% reduction compared to 2021. Additionally, with the inclusion of remote workers and the smaller sites in South Africa and China, our total employee count surpassed 500 in 2022 (excluding Federfin).

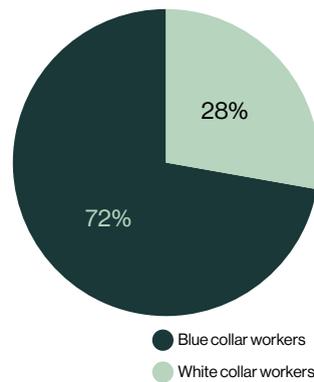
Furthermore, the average length of service among our employees increased by 3%. Given that many of our sites have been operational for over two decades, the average length of service of 9.3 years demonstrates a good mix of experienced and newer team members.



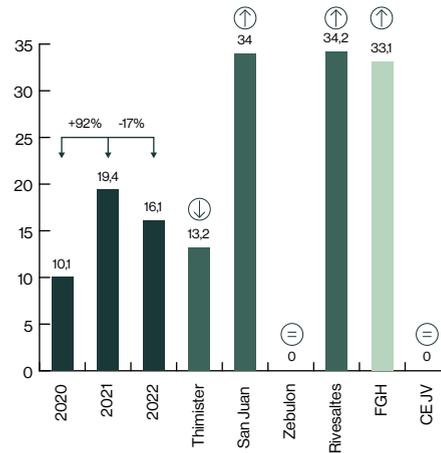
**Thomas Ogloza, WCM & Operations Manager, Vinventions Thimister**

As part of our Operational Excellence program, which we named “World Closure Manufacturing” (WCM) we reinforced our focus on workers safety. On the Thimister site for which I am responsible we reduced by 64% the number of Lost Time Accidents (LTA) in only one year. By the end of 2022, Thimister has been granted the WCM Bronze level by an independent external auditors intractable regarding H&S results who underlined our impressive Frequency rate of 13,2 on LTA. Even though our objective is clearly ZERO lost time accident, the Frequency Rate offers the possibility to highlight safety results with a common base of risk exposure. This allow us to benchmark against other industries or companies and identify which method suits us the best. We are proud to be pioneer on LTA frequency rate reduction for the group.

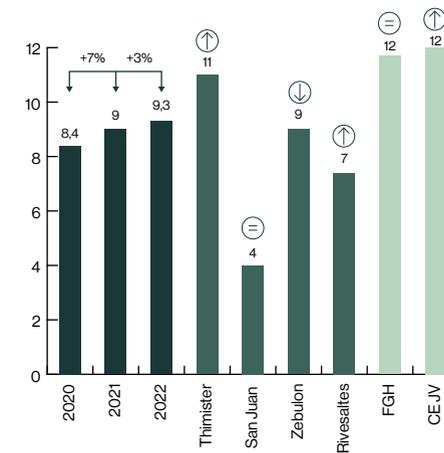
Aggregated 466 employees



LTA Frequency Rate



Average length of service [years]



**Olav Aagaard, VP Exploratory R&D & Head of Sustainability**

“I am 18 years with Vinventions, so, one of the old-timers in the company. It is good to see new young people in the company but even better, to see that most of us stay engaged for a long stint of our career at Vinventions.”

# Meet Our New Employees

At Vinventions, we believe that our employees are our greatest asset. We take pride in nurturing a diverse and talented workforce that drives our success. This page is dedicated to introducing the exceptional individuals who joined our organization during the year 2022. We warmly welcome them to our team and are excited about the unique contributions they bring to our company.

**Giulia Benini** | Regional Sales Manager | Italy | 06/06/2022

**Gerard Hirdes** | Chief Financial Officer | Luxembourg | 02/22/2022

**Lila Cornet** | Finishing Operator | Belgium | 02/01/2022

**Eric Deruyter** | Finishing Operator | Belgium | 09/01/2022

**Aysegul Diril** | Global Procurement Director | Belgium | 10/03/2022

**Alexandre Filipiak** | Maintenance technician | Belgium | 07/01/2022

**Geoffroy Lambert** | Finishing Operator | Belgium | 09/01/2022

**Alix Lampaert** | Customer Service Agent | Belgium | 12/05/2022

**Allan Macario** | Warehouseman | Belgium | 02/01/2022

**Pierre Pitz** | Maintenance technician | Belgium | 03/01/2022

**Christopher Scaillet** | Finishing Operator | Belgium | 09/01/2022

**Julien Syne** | Finishing Operator | Belgium | 02/01/2022

**Yannick Tasquin** | Finishing Operator | Belgium | 02/01/2022

**Samantha O'Connor** | Payroll & Accounting Specialist | United-States | 04/25/2022

**Ryan Norton** | Commercial Director | United-States | 04/25/2022

**Mike Clayton** | Brand Manager | United-States | 05/09/2022

**Shameka Winn** | Conversion Operator | United-States | 06/13/2022

**Reid Taylor** | US IT Manager | United-States | 06/21/2022

**Trescia Hunter** | Sr. HR Generalist | United-States | 08/15/2022

**Gilberto Nieto** | Maintenance Technician | United-States | 10/17/2022

**Francis Egbom** | Production Manager | United-States | 10/19/2022

**Jeanne Flechon** | Regional Sales Manager | France | 04/19/2022

**Xavier Anorga** | Regional Sales Manager | France | 04/19/2022

**Norman Camara Picazo** | Production Operator | France | 05/02/2022

**Micaela Abraham** | Contador Junior | Argentina | 05/24/2022

**Alejandro Emmanuel Rodriguez** | Quality Manager | Argentina | 04/05/2022

**Nicolas Alejandro Krank** | Shift Leader | Argentina | 08/28/2022

**Stella Maris Vargas** | Collection & General Assistant | Argentina | 11/01/2022

**Graciela Jerez** | Sales Manager | Argentina | 09/05/2022

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# Diversified Workforce



**Our goal is to strive for excellence in the industry by ensuring a strong representation of women in our workforce.**

## % Woman in our workforce

In 2022, we had **129 women working** across the six sites, accounting for 28% of our workforce. While the number of women decreased by 3% compared to the previous year, we are proud to maintain a best-in-class position in terms of the representation of women compared to our listed peers in the industry. We are committed to fostering an inclusive and diverse workplace where all individuals have equal opportunities to contribute and succeed.

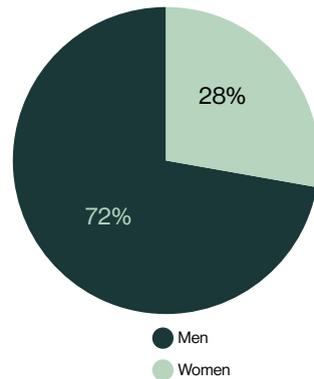
## % Woman in our blue-collar workforce

In terms of blue-collar positions, the aggregated share of women stands at 17.9%, reflecting a 6% decrease since the previous year. This disparity is evident when comparing the Zebulon site, where 39% of blue-collar workers are women, to the San Juan site, where there are currently no women in similar roles. This difference may be attributed to cultural factors, but we are dedicated to increasing the overall participation of women to at least 25%.

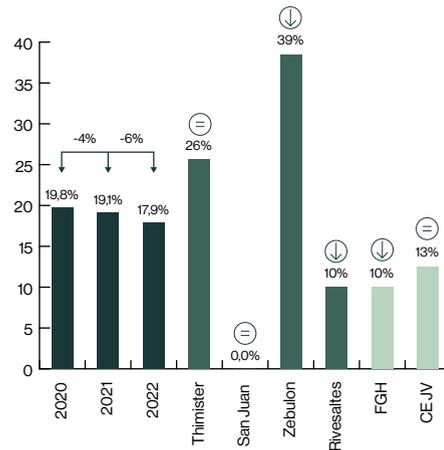
## % Woman in our white-collar workforce

The representation of women in white collar function has grown by 3% and is again best-in-class compared to listed peers. Interesting to note that in 4 of the 6 sites, women represent half or majority of the white-collar workers

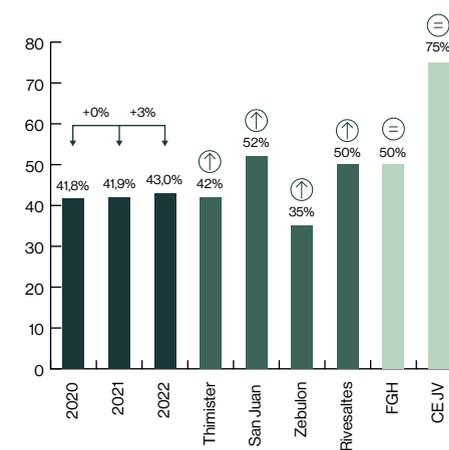
% Diversity workforce



% Women in blue collar workforce



% Women-in-white-collar workforce



**Brigitte Andre,**  
HR Director Vinventions

“A diversified workforce is one of focus points within HR. As the numbers show, the tasks can equally be done by women and men so we will keep on looking for female talent to work for Vinventions and will make sure that job posting are attractive to all genders”



**Frederique Lambert,**  
Quality System & Product Compliance Coordinator, Vinventions Thimister

“Almost half of Vinventions’ female associates work in Thimister. We represent in total 31% of the Belgian workforce, a number that has remained constant over the last 3 years, With 26% in blue collar and 42% in white collar, we are well represented in both groups”

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# People in Procurement

## Meet Aysegul DIRIL, Global Procurement Director



- Building and maintaining relationships with key suppliers;
- Maintaining the global procurement visual board to see where to focus & prioritize ;
- Developing and implementing procurement policies and procedures ;
- Collaborating with other departments within the organization to understand their procurement needs and ensure that those needs are met.

### WHAT DO YOU LIKE ABOUT WORKING FOR VINVENTIONS?

I like working for Vinventions for various reasons, such as the company's focus on innovation, design and the sustainability - the opportunity to work with talented and motivated colleagues - the potential for career growth and development – unlimited learning opportunities...

### WHAT ARE THE ACTIONS THAT YOU DO ON A DAILY BASIS IN FAVOR OF THE ENVIRONMENT? (AT HOME AND AT WORK)

I try to follow the known 7 principles when it comes to live more sustainably...

**Reduce, Reuse, Recycle:** Practice the 3Rs by reducing consumption, reusing items when possible, and recycling materials that cannot be reused.

**Conserve Energy:** Turn off lights and electronics when they are not in use, use energy-efficient light bulbs, and unplug chargers when they are not being used.

**Use Reusable Items:** Bring my own reusable bags, water bottles, and coffee cups instead of using disposable ones.

**Eat Sustainably:** Choose locally-sourced, organic and non-GMO foods, "try to" reduce meat consumption, and avoid food waste.

**Use Public Transportation or Carpool:** Use public transportation or carpool whenever possible instead of driving alone, to reduce my carbon footprint.

**Go Paperless:** Pay bills online, use digital documents, and opt-out of junk mail to reduce paper consumption.

**Support Eco-Friendly Companies:** Buy products from companies that prioritize sustainability and use eco-friendly materials and production methods.

### WHAT IS THE LINK BETWEEN PURCHASING AND SUSTAINABILITY?

Purchasing and sustainability are closely linked because purchasing decisions can have a significant impact on the environment and society. By choosing sustainable products and suppliers, organizations can reduce their environmental footprint, promote social responsibility, and contribute to a more sustainable future.

Sustainable purchasing involves considering not only the cost and quality of goods and services but also their social and environmental impact. For example, an organization may choose to purchase products that are made from renewable materials, use less energy, or produce fewer emissions. Additionally, they may choose to work with suppliers that have strong environmental and social practices, such as fair labor standards and ethical sourcing.

By making sustainable purchasing decisions, organizations can reduce waste, conserve natural resources, and promote a more equitable and sustainable society. This can lead to benefits such as improved brand reputation, increased customer loyalty, and reduced risk of supply chain disruptions.

In summary, sustainable purchasing is essential for organizations to achieve their sustainability goals, reduce their environmental impact, and contribute to a more sustainable future.

### YOU ARE NEW IN THE COMPANY, WHY DID YOU CHOOSE TO JOIN VINVENTIONS?

It is not always easy to make the right choice when it comes to the company selection. Theory & practice is not always the same. Vinventions vision, being global player and its short-mid-long term objectives were helpful while I was making my decision. There are too many challenges, but I am having fun while working on them.

 197 Days at Vinventions (on April 18th, 2023)

 Minimum in touch with 10 people per day

 Worldwide responsibilities

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# Training

## Leadership @Vinventions (L@VV)

As a company, we place immense value on our customers, our people, and our business partners.

Together, we are dedicated to creating a story of success that connects all of us across the globe, inspires others, and surpasses our customers' expectations. The foundation of our story lies in the Vinventions Foundations.

Through the implementation of the Vinventions Foundations, our primary goal is to strengthen our company culture and effectively execute our global strategy as one united Vinventions team. To bring these foundations to life throughout the entire organization and create a story of success, we strive to foster a culture of shared leadership and provide a stimulating work environment where every Vinventions associate can thrive and perform at their best.

To facilitate this transformative journey, we introduced L@VV (Leadership@ Vinventions) in 2021. In 2022, in addition to our annual assessment of company culture and employee engagement, we conducted three L@VV modules, involving over 30 individuals.

Through these initiatives, we aim to empower our associates, foster leadership capabilities, and cultivate a strong sense of engagement and collaboration across our organization. By working together, we are confident in our ability to write a remarkable story of success and exceed expectations in all aspects of our business.



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# Yearbook

## Vinventions Day

In 2022, we had the pleasure of celebrating Vinventions Day for the first time! This special occasion took place on the first Friday of June, and it provided us with an opportunity to come together and celebrate the values that define our company.

During Vinventions Day, we took great pride in our organization and the exceptional products we create. We welcomed newcomers and honored those who have been with us for a long time, fostering a sense of camaraderie and connection among our colleagues. It was a time to share our successes, highlight ongoing projects, and celebrate the achievements of different departments.

For the inaugural year, the theme of sustainability was chosen, reflecting our commitment to environmental responsibility. We also took the opportunity to shine a spotlight on our Customer Service and Finishing departments, recognizing their important contributions to our organization.

The internal communication team organized interviews with these departments, and their stories were showcased in a video titled

«Video Customer Services & Finishing,» which we invite you to explore.

Throughout the week, various workshops were conducted to raise awareness on different topics such as nutrition, recycling of cigarette butts, and waste collection. Additionally, we engaged in activities like the climate fresco, deepening our understanding of climate-related issues.

The week-long celebration concluded with a grand meal where we all came together to enjoy good food, camaraderie, and the shared spirit of Vinventions.

Vinventions Day served as a meaningful moment to celebrate our shared values and reinforce the strong bonds within our company. We look forward to continuing this tradition in the coming years, always finding new ways to celebrate, connect, and inspire each other.



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## Pink October

Pink October is an annual campaign that plays a crucial role in raising awareness about breast cancer screening and raising funds for research. It serves as an important initiative to promote early detection and support advancements in the fight against breast cancer.

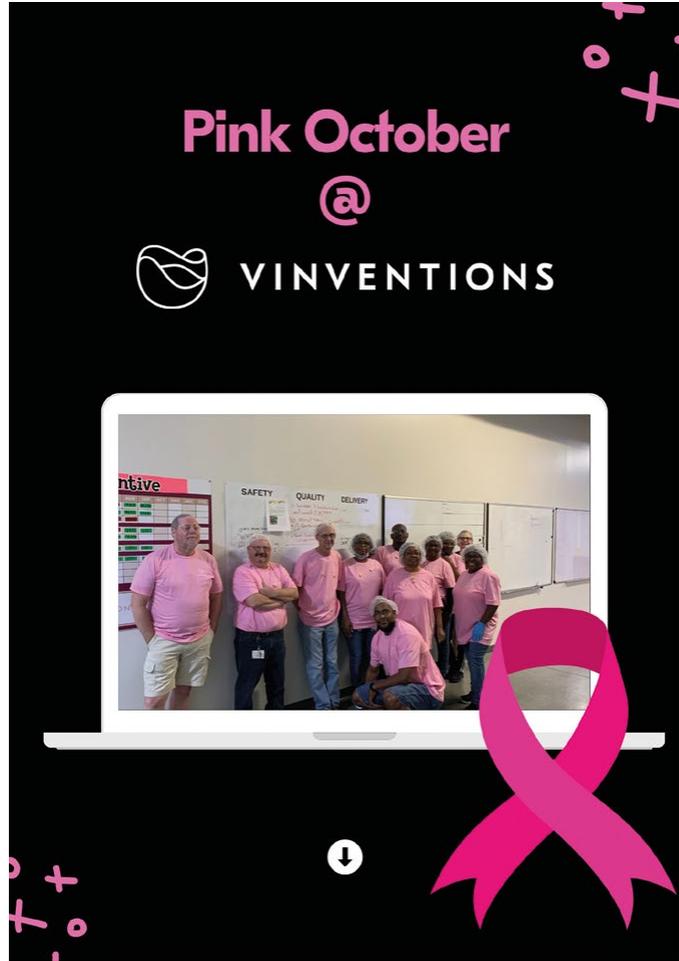
This year, Vinventions actively participated in Pink October, showcasing their dedication to this cause. Various events were organized across different locations, including Argentina, the United States, and Belgium, to engage employees and contribute to the campaign.

In Belgium, Vinventions sold a range of items such as jewelry, honey, and keyrings, with the proceeds going to Think Pink, an organization focused on funding breast cancer research. Alongside fundraising efforts, the day also provided an opportunity to educate colleagues about the importance of regular screening.

In Argentina, multiple activities took place. Special communications on breast cancer were circulated via email, accompanied by informative flyers. Furthermore, on October 17th, employees at the plant wore pink hairnets to raise awareness. In the Mendoza office, colleagues purchased and wore pins to show support and assist the FUCA foundation.

In the United States, Vinventions organized an event called «Wear Pink Wednesdays,» encouraging employees to wear pink attire as a symbol of solidarity and to contribute to the cause.

Through active participation in Pink October, Vinventions demonstrates their commitment to promoting breast cancer awareness, supporting research efforts, and fostering a culture of health and well-being among their employees. By engaging in these initiatives, they contribute to the collective effort in combating breast cancer and making a positive impact in the lives of individuals affected by this disease.



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### Empujar Program

Vinventions actively participated in the Empujar Program, which focuses on empowering young individuals and facilitating their entry into the formal job market. As part of our commitment, we made monthly financial contributions to support the program's economic sustainability.

In addition to financial support, several members of the Vinventions team actively engaged in workshops and diverse classes, sharing their knowledge and expertise with the program participants. By imparting valuable skills and resources, we aimed to equip these aspiring job seekers with the tools they need to secure their first formal employment.

Our collaboration with <https://fundacionempujar.org/> aimed to empower young people and contribute to their personal growth. We recognized the importance of providing support and opportunities for youth to thrive and succeed in the job market. Through our participation in the Empujar Program, we aimed to make a positive impact on the overall development of our community by fostering the growth and success of young individuals.



### Donation box

In San Juan, a special «box» was installed to collect donations of toys, books, clothes, and other items that individuals no longer need. This initiative allows others in the community to benefit from these donated items. Similarly, a few years ago, donation boxes were set up in a Belgian plant, and the outcomes have been incredibly positive.

The Magic Box initiative has brought about a positive change in both San Juan and the Belgian plant by promoting circularity and giving unused items a new life. Over the course of two years, both donation boxes have been regularly utilized, demonstrating the community's enthusiasm for the concept. The donated items have found new owners, ensuring their continued usefulness and reducing waste.

The Magic Box initiative not only facilitates the exchange of goods but also fosters a sense of community and generosity among participants. By encouraging people to donate rather than discard their unused possessions, the initiative promotes sustainable consumption patterns and reduces the strain on resources. It exemplifies the principles of circularity by creating a system where items can circulate and serve multiple users throughout their lifecycle.

The Magic Box project has had a positive impact on communities, promoting reuse, and fostering a culture of sharing and sustainability. It demonstrates that through collective efforts, we can make a significant difference in reducing waste, promoting responsible consumption, and building stronger, more connected communities.



### Importance of Safety: Launch of Safety Shoes at Vinventions' Zebulon Plant

At Vinventions, we prioritize the safety and well-being of our employees above all else. That is why we are thrilled to announce the launch of our new initiative, Safety Shoes, at our Zebulon plant. We recognize the crucial role that appropriate footwear plays in preventing workplace accidents, and we have collaborated with industry experts to develop a range of high-quality safety shoes specifically designed for our employees.

Our Safety Shoes are equipped with advanced features such as slip-resistant soles, reinforced toe caps, and electrical hazard protection. These features are carefully designed to minimize the risk of workplace injuries and provide our employees with the utmost protection while they carry out their tasks.

By introducing Safety Shoes, we are taking proactive measures to create a safer working environment for our dedicated employees. We firmly believe that investing in employee safety not only protects lives but also fosters a culture of responsibility and care within our organization. We are committed to continuously improving our safety standards and ensuring that our employees have the necessary tools and equipment to perform their jobs safely and efficiently.

The launch of Safety Shoes at our Zebulon plant exemplifies our unwavering commitment to the well-being of our employees and reinforces our dedication to maintaining a safe work environment. We believe that by prioritizing safety, we not only protect our employees but also create a foundation for success and growth within our organization.

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# Low Energy Consumption



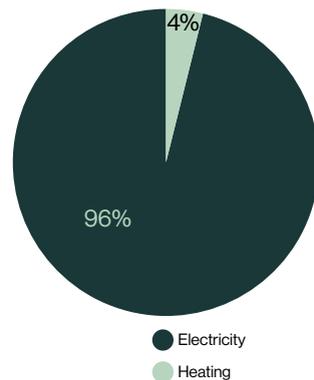
**Our goal is to be best-in-class in the industry in energy consumption per closure**

## Our Energy Consumption

In 2022, our total energy consumption, including electricity and heating energy, amounted to 20,843 MWh, which is similar to the consumption in the previous year. We are proud to report that our energy consumption intensity, which is measured as 8.2 MWh per 1 million closures sold, is significantly better than that of our listed peers. This highlights our commitment to energy efficiency and sustainability.

Of the total energy consumed, 96% is sourced from electricity, with 97% being purchased from external suppliers and 3% generated from our own solar panels. We are actively working to decarbonize our electricity sources, aiming to transition towards renewable energy and reduce our carbon footprint.

20.843 MW Energy Consumption

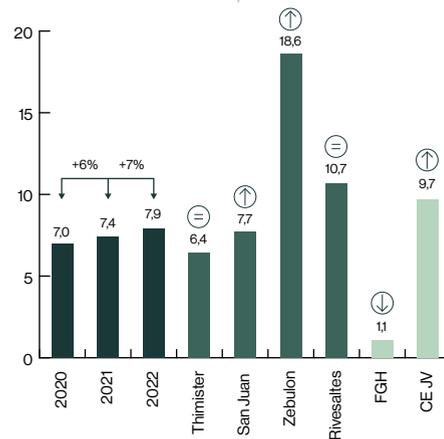


The remaining 4% of our energy consumption is attributed to heating energy, which is primarily derived from natural gas. This energy is utilized during the winter to heat our production facilities and offices in certain plants. While natural gas is currently used, we are continuously exploring alternative heating methods and seeking opportunities to further reduce our reliance on fossil fuels.

## Electricity Consumption Intensity

In 2022, our electricity consumption amounted to 19,995 MWh. We observed a year-over-year increase of approximately 6-7% in our electricity consumption intensity. While this increase is notable, it is important to highlight that our overall electricity consumption intensity remains relatively low compared to industry standards.

Electricity consumption (MWh / 1 M closures sold)

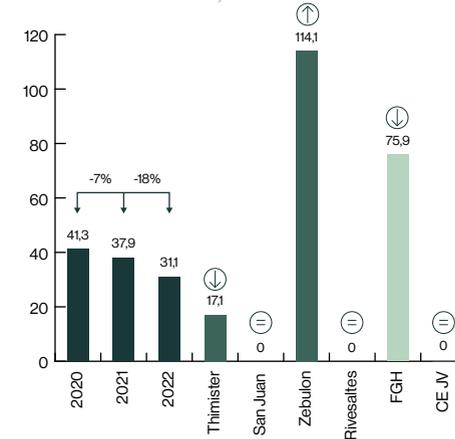


The majority of this increase can be attributed to the premiumization of our synthetic closure offering. As we enhance the quality and features of our synthetic closures, they require additional finishing steps during the production process. These extra steps contribute to a higher electricity consumption per finished closure.

## Heating Gas Consumption Intensity

In 2022, our natural gas consumption during the winter months for heating buildings, offices, and warm water totaled 78,933 m³. We are pleased to report a significant reduction of 23% compared to the previous year. This reduction was primarily driven by measures we implemented to lower our natural gas consumption, which were prompted by the rapid increase in gas prices throughout 2022.

Heating gas consumption (m³ / 1M closures sold)



**Thomas Bertrand,**  
Plant Manager  
Vinventions Zebulon

“Zebulon is using a lot of electricity in the summer for cooling our buildings and offices. Likewise, in the winter, we need heating gas to maintain a pleasant working temperature for our associates”.



**Andrea Berruti,**  
Plant Manager Alplast  
Vinventions Celle  
Enomondo

“Our screwcap production in Celle Enomondo is backwards integrated into offset printing and punch & draw and has therefore much higher energy requirements than the production in Fussgoenheim.”



**Gregory Roderburg,**  
Process Improvement  
Manager Europe

“Both Thimister and Fussgoenheim need heating gas in the winter months. However, 50% of our heating requirements in Thimister is coming from our warm-water-network where heating water is created by reused, residual heat of production of neighboring enterprises”.

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# Decarbonizing Our Energy

**Our goal is to transition all our own plants and offices to 100% sustainable electricity by 2027.**

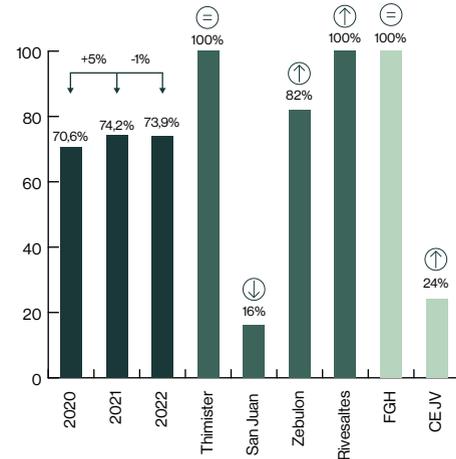
### Sustainable (low carbon) electricity

Our goal is to maximize the use of sustainable electricity in our operations. We plan to increase the share of sustainable electricity by 5% each year, aiming to reach 100% by 2027. Sustainable electricity comes from low-carbon sources like wind, solar, hydro, biomass, and nuclear energy.

In 2022, the percentage of sustainable electricity increased in Zebulon, CE JV, and Rivesaltes, and now half of our sites are using 100% sustainable and renewable electricity. The overall percentage of sustainable electricity grew by 4% compared to 2020.

However, the growth in 2022 was affected by the lack of access to sustainable energy in San Juan. We are actively working to resolve this issue in 2023.

% Sustainable (low carbon) electricity

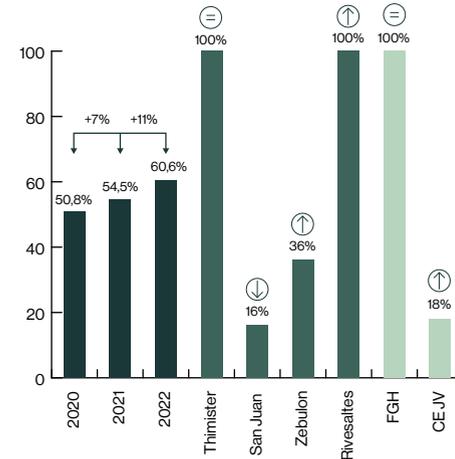


### Renewable electricity

Our ultimate aim is to ensure that all our own plants and offices operate on renewable energy, making our electricity 100% fossil-free. We have already achieved this in Thimister, Rivesaltes, and Fussgoenheim, but there is still room for improvement in other sites.

Over the past two years, we have witnessed an 18% increase in renewable electricity consumption, with a growth of 11% last year alone. We are committed to continuing our transition to fossil-free energy and have set a goal to reach 100% renewable energy by 2030. We plan to achieve this through a year-over-year improvement of 5% in our renewable energy usage.

% Renewable (solar, wind, hydro) electricity



**Thomas Bertrand,**  
Plant Manager  
Vinventions Zebulon

“Zebulon sources its power from the grid and generates some renewable energy thanks to our solar panels. Since we cannot purchase 100% renewable electricity, we buy renewable energy credits (RECs) to partly compensate for the GHG emissions associated with our consumption.”



**Romain Tartigli,**  
Quality Manager,  
Vinventions Rivesaltes

“We made the switch of 100% sustainable to 100% renewable electricity in 2022. We arranged a long-term contract with our power supplier which guarantees that electricity is coming from local solar and wind energy”

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# Recycling Our Waste



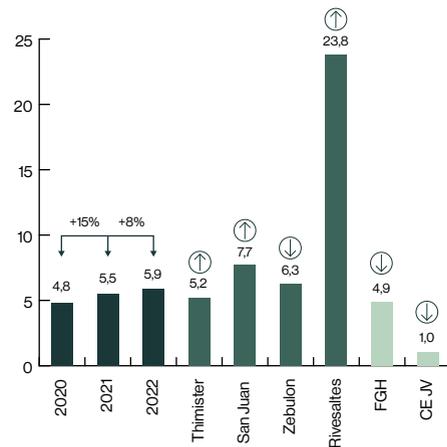
**Our goal is to reduce our net waste by 8% YOY**

### kg net waste per 100k closures sold

In 2022, our aggregated net production and office waste, which was offered to municipal waste handlers, amounted to 150 tons. This accounts for less than 1% of our total material intake. However, we have experienced a deviation from our target of reducing net scrap by 8% year over year. Nevertheless, we have implemented corrective measures to realign with our objectives.

The resulting net waste per 100k units sold increased by 8%, primarily due to the scrap generated during the startup of SÜBR production in Rivesaltes. It is worth noting that screwcap production generally yields lower net waste compared to Nomacorc production. While the total production scrap may be higher, our recycling efforts allow us to minimize net waste and achieve very low levels.

kg net waste/100 k closures sold



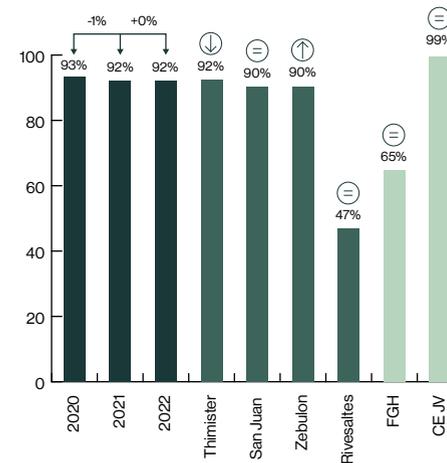
**Our goal is to have 90+% of our production & office scraps offered to recyclers**

### Production scraps offered for recycling

Both Nomacorc synthetics and Vintop screwcap waste have high recyclability and are in demand by recyclers. We prioritize recycling efforts and aim to maximize the reuse of SÜBR waste to minimize net waste.

Our focus extends to minimizing hazardous waste, and our dedicated Green teams work diligently to reduce net office waste. In 2022, we achieved an aggregated rate of 92% for waste diversion, surpassing our target of 90% and maintaining a similar performance to 2021. This highlights our commitment to sustainable waste management practices and continual improvement in waste reduction efforts.

% Production scraps offered for recycling



**Romain Tartigli, Quality Manager, Vinventions Rivesaltes**

"Regarding the SÜBR start in Rivesaltes, the latest trends suggest that scraps will decrease over time until reaching an optimal level after the installation of the manufacturing process at our Rivesaltes site."



**Andrea Berruti, Plant Manager Alplast Vinvention Celle Enomondo**

Within the Vinventions Alplast JV, we are very focused on maximizing recycling of our production waste. We are proud that we have achieved 99+% for 3 years in a row"



**Thomas Bertrand on internal recycling of our production scraps**

"Our first goal is to minimize our waste and process scrap. Since 2015, we collect our internal scrap to reuse it in our extrusion process. All of this while maintaining the product quality and performance."

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# Clean Sweep Initiative



(OCS) refers to the Operation Clean Sweep program, a voluntary initiative designed to raise awareness, encourage best practices, and offer guidance and tools to companies in the plastics industry. The program focuses on implementing measures to prevent pellet loss, which is crucial for minimizing plastic pollution in the environment. By participating in OCS, companies in the plastics value chain demonstrate their commitment to responsible and sustainable plastic manufacturing and handling.

## Plastic pellets: a raw material not to be wasted

Plastic pollution is a growing concern worldwide, as it can have detrimental effects on ecosystems and contribute to global pollution. One source of plastic litter is the mismanagement of plastic waste, which can end up in soils, waterways, and ultimately the ocean. However, it's important to note that not all plastic litter originates from consumer use. Part of the litter consists of plastic pellets, flakes, and powders that are intended for manufacturing into plastic products.

Operation Clean Sweep® (OCS) is a program that specifically addresses the prevention of discharge of plastic pellets into water flows and the marine environment. By implementing best practices and containment measures, companies in the plastics industry can help prevent pellet loss and reduce the potential for plastic pollution. OCS aims to raise awareness, provide guidance, and promote responsible handling of plastic materials to minimize their impact on the environment.

## OCS at Vinventions

Since the beginning of 2021, Vinventions has established a dedicated core team for Operation Clean Sweep® (OCS). This team consists of members from various departments, including quality, maintenance, logistics, extrusion, and finishing. The primary objective of the team is to achieve zero pellet loss, aligning with the goals of OCS.

In 2022, the Perpignan site in France successfully passed its audit related to the French law decree «Decree 2021-461 of April 16, 2021 - Relating to the prevention of loss of industrial plastic granules in the environment.» This decree shares the same purpose as OCS in preventing pellet loss and minimizing environmental impact. At the Perpignan site, comprehensive procedures were implemented for managing industrial plastic granules, including cleaning and response protocols in the event of incidents or

accidents. Additionally, awareness campaigns were conducted among employees and stakeholders at the site.

At the Thimister site in Belgium, a Risk Ranking assessment was carried out to prioritize areas for improvement. Two working groups are currently focusing on finding solutions for two critical areas. One of the ongoing initiatives is the development of a pellet recovery system for the extrusion gutters, aiming to prevent pellet loss at the source.

Regarding the evolution of the OCS program itself, in 2022, OCS launched an OCS certification system. Vinventions has started reviewing the certification requirements to ensure readiness for future audits and certification. By actively participating in the OCS certification scheme, Vinventions demonstrates its commitment to the responsible handling of plastic materials and preventing pellet loss.

\*[www.opcleansweep.eu](http://www.opcleansweep.eu) | \*\* <https://www.opcleansweep.eu/the-solution/ocs-certification-scheme>



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# Low Water Consumption

**Our goal is to be best-in-class in the industry in water consumption per closure**

## Water intake

In 2022, our aggregate water intake was 20,614 m<sup>3</sup>, which represents a 12% increase compared to the previous year. The majority of water usage can be attributed to the water baths used in the production of our innerseal closures. We took steps to increase the rotation of cleaning the water baths, which contributed to the higher overall water intake.

It is important to note that our screwcap productions require minimal water usage. Additionally, at sites like Celle Enomondo and Fussgoenheim, water consumption is primarily for drinking and sanitation purposes.

When considering water consumption per 1 million

closures sold, we are proud to be best-in-class compared to our listed peers. Our water usage is significantly lower than many others in the industry, reflecting our commitment to efficient water management.

## Net water loss

We are proud to report that almost 80% of our overall water intake is reclaimed and reused within our processes. In the case of San Juan, the water intake becomes municipal wastewater. Additionally, in Zebulon, a portion of our water intake is lost to irrigation.

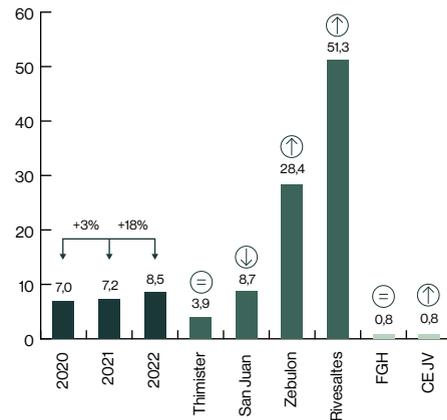
At our facilities in Thimister, Rivesaltes, Fussgoenheim, and Celle Enomondo, an impressive 97-99% of our wastewater is reclaimed and recycled. This

commitment to water reclamation significantly reduces our net water loss.

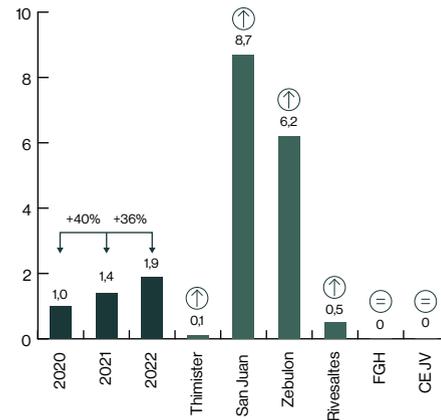
As a result of these efforts, our net water loss per 1 million closures sold is truly best-in-class compared to our listed peers in the industry. We continuously strive to optimize our water management practices and explore innovative solutions to further minimize water usage and enhance sustainability.

Through our dedication to water reclamation and efficient water management, we contribute to the preservation of this valuable resource and demonstrate our commitment to environmental responsibility.

Water intake (m<sup>3</sup> / 1M closures sold)



Net water loss (m<sup>3</sup> / 1M closures sold)



■ Historic aggregate of 6 sites ■ Synthetic closure production ■ Screwcap closure production



**Thomas Bertrand,**  
Plant Manager  
Vinventions Zebulon

“Roughly 30% of our water intake in Zebulon is used to irrigate the premises of our site and cannot be reclaimed. With an extreme long and hot summer in 2022, we consumed 56% more water for landscaping than previous year.”



**Romain Tartigli,**  
Quality Manager,  
Vinventions Rivesaltes

“We encountered higher water consumption than usual in 2022. It was caused by a small water leak in which remained long time unnoticed. We have fixed the leak and remain vigilant because water in the south of France is very precious and is too valuable to waste.”



**Ana Paula Gomez,**  
Sustainability  
Technologist at  
Vinventions San Juan

“Our San Juan site does not have yet a connection to a municipal sewage system, so we collect all of our wastewater and have it frequently hauled away. We therefore list our wastewater as 100% net water lost (even if it is not lost).”

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# Renew/Circularize & Recycle

**Our goal is 50+% of our innerseal closures sales is made with renewable/circular materials.**

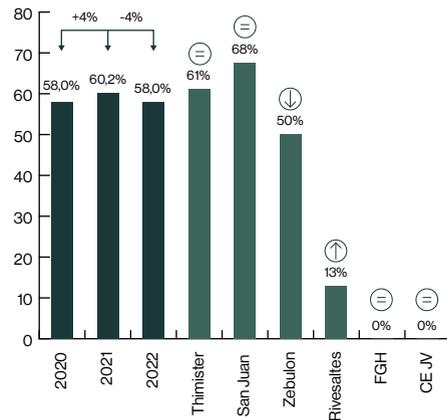
**Our goal is to have in 2024, 100 tons of collected and sorted post-consumer closures offered to recyclers**

## Renewable/Circular Closures Sales

Our innerseal portfolio includes several brands that prioritize the use of renewable or circular raw materials. This includes the Nomacorc Green line and SÜBR closures made with renewable materials, as well as the Nomacorc Blue closures made with circular materials.

While we saw a 4% decrease in the share of innerseal closures with renewable/circular content compared to the previous year, it still remains 3% higher than two years ago. The decline can be attributed to various factors. Firstly, some of our customers opted for cost savings during a period of significant inflation and rising costs of goods sold, which led them to prioritize other considerations over renewable or circular content.

% Closures with renewable or circular raw materials



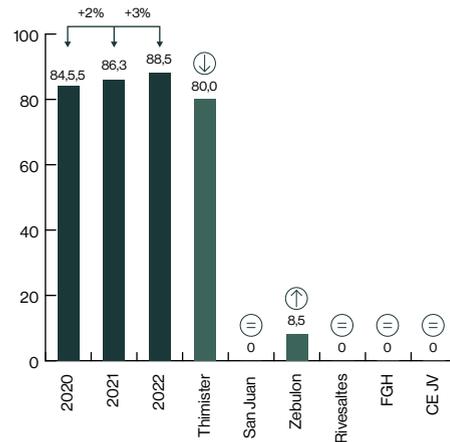
Additionally, the shortage of glass bottles in the market also influenced their decision-making.

Furthermore, the limited availability of renewable or circular raw materials posed challenges in producing and selling more closures with these sustainable attributes. In order to continue meeting our customers' needs, we had to offer alternatives while working towards securing a sufficient supply of renewable or circular materials.

## Post-consumer wine closures recycling

Vinventions takes a proactive approach to the collection, sorting, and recycling of post-consumer wine closures. This initiative, which is further detailed on

PCR corks offered to recyclers (tons)



page 32 of this CSR report, is sponsored and organized by Vinventions.

In 2022, despite challenging economic conditions, we experienced a continued growth of 3% in the quantity of post-consumer closures collected and sorted. This positive trend reflects our commitment to promoting sustainable practices and responsible waste management. By collecting and recycling these closures, we contribute to the circular economy and minimize the environmental impact of our products.

We are proud of the progress we have made in increasing the volume of post-consumer closures collected and sorted, and we will continue to work diligently to further expand these efforts in the future. Through collaboration with our stakeholders and the wine industry as a whole, we aim to achieve even greater sustainability outcomes in the years to come.



**Caroline Thomas**  
Marketing and Communication Manager

"Post-consumer recycling programs are of utmost importance for Vinventions. By encouraging consumers to recycle used closures, Vinventions promotes sustainability and reduces waste. Recycling these closures helps conserve resources, minimize environmental impact, and supports a circular economy, fostering a more sustainable future for the wine industry. As we work with associations for the collection of the closure, this program also help to collect money for charities and research against cancer."



**Thomas Bertrand**  
Plant Manager  
Vinventions Zebulon

"Total Wine's Take Back Program in the USA provides a convenient recycling solution for Nomacorc closures, fostering sustainability and minimizing environmental impact in the wine industry."



**Romain Thomas**  
Product Manager for Nomacorc

"The premiumization of wine trend in the US drove the growth of Nomacorc Green line in Zebulon, and the high-growth of Nomacorc Blue line and SÜBR drove the increase of share of renewable/circular closures in Rivesaltes."

# Vinventions Collects its Own Closures

## Nomacorc closures are collected and reintroduced in the wine industry.

For over a decade, Vinventions has been actively involved in building its own collection, sorting, and recycling programs across its main markets, resulting in the establishment of a Private Collection of wine closures. Recognizing the value of these collected closures, Vinventions sought to create a meaningful product for its customers. For the collection of closures, Vinventions collaborates with charitable associations that, at the local or national level, collect the closures that Vinventions then repurchases in order to fund the projects of these associations: cancer research, assistance to people with disabilities, and more. This led to the idea of developing a wine bucket made from post-consumer closures.

To bring this project to life, Vinventions partnered with Retorno, a Belgian company specialized in the valorization of recyclable materials. Retorno was responsible for the complete design process of the Vinny wine bucket, from creating raw materials to manufacturing the final product.

Vinny, the wine bucket made from collected closures, gives these closures a second life and reflects Vinventions' commitment to promoting a circular economy. By repurposing material waste and transforming used closures into new items, Vinventions exemplifies its environmental dedication as a member of both the European and American Plastics Pacts.

Vinventions aims to expand this collection program in the coming years. The sale of Vinny will contribute to financing further collection efforts undertaken by Vinventions, enabling the company to make a greater impact in waste reduction and recycling.

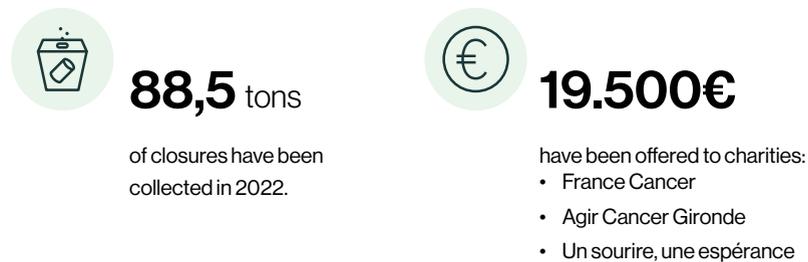


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# Vinny: At a Glance

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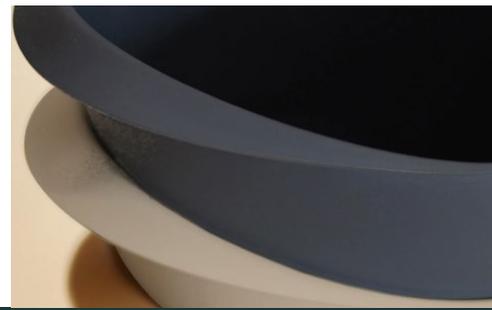
**Collected  
& sorted**

BY PARTNERS & ASSOCIATIONS



**Bought  
& shipped**

BY VINVENTIONS



**Recycled into  
Wine Bucket**

BY RETORNO



**Decorated  
& distributed**

BY ITALESSE

For over a decade, Vinventions has been actively involved in building their own collection, sorting, and recycling programs worldwide, resulting in the creation of a Private Collection of wine closures. With the aim of adding value to this collection, the idea of creating a wine bucket made from post-consumer closures was born.

*"We wanted to valorize our wine Closures' Private Collection into a new product which would make sense to our customers. This is where the idea of creating a wine bucket made from our post-consumers collected closures was born",* explains Stéphane Vidal, Chief Business development officer at Vinventions.

To make this project alive, Vinventions has embraced a collaboration with Retorno, a Belgian start-up specialized in recyclable materials valorization. Retorno fully designed the Vinny wine bucket from the raw material creation to the manufacturing process.

*"For the Vinny wine bucket, we have created the raw material from the collected post-consumer closures of the Vinventions Private collection and built all the process to make this innovative product",* explains Marc Thometschek, Co-founder of Retorno.

With Vinny, the closures collected get a second life which reiterates Vinventions' ambition to promote a circular economy by reusing material waste and changing used closures into new items. This also concretely illustrates the environmental commitment of Vinventions as a member of both the European and American Plastics Pacts. *"In 2021, 80 tons of Vinventions' closures have been collected in France throughout our different partnerships with caritative associations such as France Cancer and with the biggest French wine merchant Nicolas, which represents more than 500 shops",* says Romain Thomas, Product Manager Nomacorac at Vinventions.

*"Vinventions' ambition is to grow this collection program over the years. The selling of Vinny will contribute to finance even more all the collection efforts deployed by Vinventions in the market",* says Stéphane Vidal. To make this wine bucket available to the market, Vinventions and Retorno have partnered with Italesse, the reference provider of professional utensils (glasses, wine buckets, decanters...) to the wine industry.

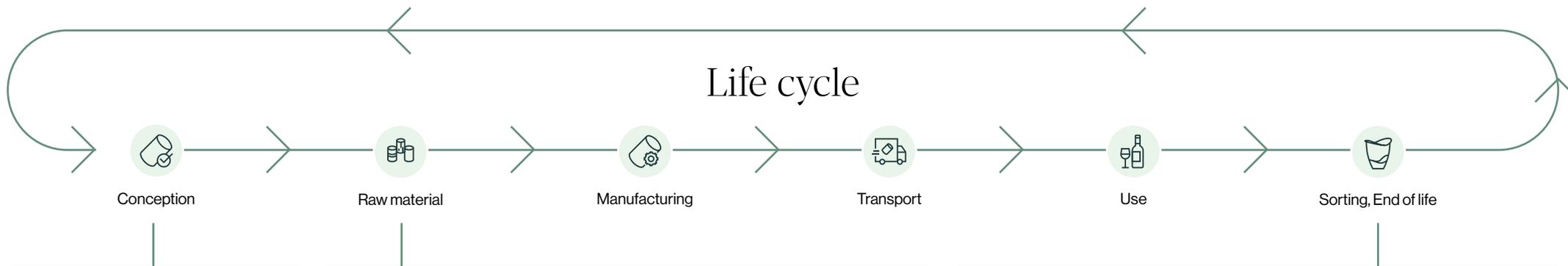
*"Offering Vinny to the wineries is fully aligned with our own ambition to develop and promote sustainable products. This innovative product will complete our range of products from our 'bio' collection offering sustainable performances",* says Massimo Barducci, CEO of Italesse. *"In the last 3 - 4 years, we converted the 30% of our production using biopolymers or other materials with low emission of CO<sub>2</sub>".* The Vinny bucket is available in the Italesse catalogue with different colors and customization options.



**Magali-Eve Koralewski,  
Enology Communication  
Manager  
Vinventions France**

*"Since its foundation, Vinventions has been dedicated to addressing wine producers' challenges by focusing on technical and environmental solutions. Building on this commitment, the idea of repurposing collected closures naturally led to the creation of a wine bucket made from these closures, ensuring the new product would be relevant and beneficial to wine producers".*

# Eco Design at Vinventions



## Reduced closure weight

We are actively engaged in reducing the weight of our closures while ensuring they maintain equivalent performance. Our goal is to achieve a 10% reduction in weight, aligning with the objectives of the plastic pacts we have signed. This initiative will have a dual impact, as it will not only result in less raw material used but also contribute to waste reduction.

## At Vinventions, we want to work with renewable, recycled or biodegradable raw material:

The Nomacorc Blue Line range introduces a new category of recyclable closures that utilize 50% recycled plastic as raw material. This means that a substantial portion of the plastic used in these closures is ISCC+ certified, ensuring its origin and sustainability.

Nomacorc Ocean is a special type of closure that is produced using recycled Oceanbound plastic (OBP). OBP refers to plastic waste that is at risk of ending up in the ocean, often found in areas near shores.

By incorporating recycled OBP into the manufacturing process, Nomacorc Ocean actively contributes to reducing OBP waste in the value chain. This initiative helps prevent plastic from damaging marine ecosystems and supports efforts to create a more sustainable future.

## Retorno / Vinny

Vinventions has developed an ice cooler named Vinny, which is not only functional but also environmentally friendly. Vinny is crafted from recycled Nomacorc and SÜBR post-consumer closures, giving these closures a second life. The cooler is available in various colors and can be customized with the customer's logo, adding a personalized touch.

This innovative product aligns with Vinventions' commitment to reducing the ecological footprint. It leverages the closures collected through Vinventions' private collection and partnerships with charitable organizations like France Cancer, as well as French wine shops Nicolas, which operates in 500 locations.

The collaboration between Vinventions and Retorno, combining Retorno's industrial expertise with Vinventions' network, presents a promising project that embodies sustainability and circularity. This initiative is in line with current business strategies and meets the growing expectations of environmentally conscious consumers.

\*\*<http://www.retorno.eu>

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# Vinventions is Partner of Eco Designed Cuvees

## A French example: Utopie

The Utopie cuvée, offered by Bertrand & Vincent Marchesseau winery, showcases a truly eco-responsible approach from closure to label and beyond. This unique wine is presented in a returnable bottle, highlighting the winery's commitment to sustainability. The choice of using the SÜBR micro-natural closure further demonstrates the winery's dedication to environmentally conscious projects.

Located in the Bourgueil appellation, the winery has been actively practicing organic farming since 2012. With The Utopie cuvée, they are pushing boundaries and embracing new challenges in their environmental commitment. This innovative wine not only reflects their sustainable practices in the vineyard and cellar but also challenges traditional norms associated with wine packaging.

By choosing The Utopie cuvée, consumers are invited to participate in a wine experience that goes beyond the ordinary. It represents a tangible expression of the winery's strong ambition to prioritize environmental sustainability.

### Re-thinking Packaging

- Removal of the overcap capsule
- A recycled paper label with water soluble glue
- SÜBR micro-natural closure
- Bottles meeting the reuse specifications

*"Abolish the overcap, develop a label without ink or solvent, offer deposit for reuse at the local level... Utopie was born from the desire to follow through on our ecological commitments, to minimize our environmental impact and to further deepen our approach to wine. Our choice naturally fell on the SÜBR closure from Vinventions, which combines technicality, performance and aesthetics", summarize Bertrand and Vincent Marchesseau.*

**Eco Design is the integration of environmental aspects into the product development process, by balancing ecological and economic requirements. Eco-design considers environmental aspects at all stages of the product development process, striving for products which make the lowest possible environmental impact throughout the product life cycle.\***



\* <https://www.eea.europa.eu/help/glossary/eea-glossary/eco-design>

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## Madera Plástica

We are excited to announce our partnership with Madera Plástica, a renowned recycling organization committed to sustainable practices. Through this alliance, we have initiated the process of sending our closures to be recycled, contributing to the reduction of environmental pollution and promoting the circular economy.

Madera Plástica, based at <https://www.maderaplasticamendoza.com/>, specializes in transforming plastic waste into durable and eco-friendly materials. By diverting our closures from landfills and redirecting them to this recycling initiative, we are actively working towards a greener future and making a positive impact on the environment.

This collaboration reflects our dedication to fostering sustainability and supporting organizations that share our vision. We believe that by partnering with Madera Plástica, we can inspire others to join us in our efforts to create a more sustainable and environmentally friendly world.

Together, we are taking concrete steps towards a greener future and demonstrating our commitment to making a positive difference in the world.



## Vinventions' Adopt a Highway: Transforming Roads, Empowering Communities

In 2022, Vinventions continued its commitment to social responsibility by actively participating in the Adopt a Highway program. This initiative involved conducting three road clean-up projects aimed at improving the cleanliness and environmental well-being of local communities. These actions have significant implications for corporate social responsibility (CSR) and environmental conservation.

By participating in the Adopt a Highway program, Vinventions contributes to the preservation of the environment. The company actively combats littering and promotes responsible waste management by cleaning up roads. This simple act of picking up trash reduces pollution, protects ecosystems, and prevents hazardous materials from entering water bodies, thus safeguarding the delicate balance of nature.

Furthermore, Vinventions' involvement in this program serves as an inspiration to other companies and individuals. By taking a leadership role and actively participating in community service, Vinventions demonstrates the importance of environmental stewardship and encourages others to follow suit. The initiative raises awareness about the impact of individual actions on the environment, fostering a sense of responsibility and a desire to preserve nature for future generations.

In addition to the environmental benefits, the Adopt a Highway program creates a positive and lasting impact on local communities. Clean and well-maintained roads enhance the aesthetics of the surroundings, instilling a sense of pride and belonging in residents. Moreover, by investing time, effort, and resources in these clean-up initiatives, Vinventions builds strong relationships with community members, fostering goodwill and strengthening its reputation as a socially conscious organization.

Vinventions' continued involvement in the Adopt a Highway program exemplifies its commitment to making a positive difference in the world and demonstrates the importance of corporate social responsibility. Through these initiatives, Vinventions actively contributes to environmental conservation, inspires others to take action, and fosters positive community relationships.



## Recycling rate improvement on the production floor in Zebulon:

Vinventions is pleased to share significant advancements in sustainable practices at our Zebulon plant, where the Nomacor closure is produced. We are proud to announce a remarkable improvement in our recycling rate on the production floor, reaching an impressive 90%. This accomplishment underscores our commitment to minimizing waste and maximizing resource efficiency.

Through the implementation of robust recycling systems and the cultivation of an environmental responsibility culture, we have made substantial strides in reducing our environmental footprint. This achievement aligns seamlessly with Vinventions' broader sustainability objectives and reaffirms our unwavering dedication to producing high-quality products while safeguarding the planet for future generations.

Moving forward, we will continue to invest in sustainable practices, aiming for even greater environmental stewardship in the years ahead. We remain committed to driving positive change and actively contributing to a more sustainable future.

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# Yearbook

## Usage of Tupperware in San Juan Plant

The decision to eliminate single-use plastic in the daily lunches at the San Juan Plant and replace it with Tupperware containers has yielded numerous benefits. Firstly, it has made a significant impact in reducing plastic waste, contributing to a cleaner and healthier environment. By opting for reusable Tupperware containers, we have also minimized the consumption of resources needed to produce and dispose of single-use plastic containers.

Moreover, Tupperware containers offer several advantages, including reusability, durability, and better insulation, ensuring that the food remains fresh and enjoyable when delivered daily. This initiative not only promotes sustainability within our own operations but also sets a positive example for other organizations and individuals to adopt eco-friendly practices.

By embracing this change, we demonstrate our commitment to reducing plastic waste and promoting a more sustainable way of living. We encourage others to join us in this endeavor and collectively make a positive impact on the environment.

## Waste segregation at San Juan Plant

At the San Juan Plant, we have made significant progress in waste segregation as part of our commitment to corporate social responsibility and environmental sustainability. Recognizing the negative impact of mixed waste on the environment, we have implemented a comprehensive system that emphasizes the segregation of different types of waste.

Through the use of distinct bins and containers, we have provided our employees with the means to separate recyclables, organic waste, and non-recyclable materials. This system promotes responsible waste management practices and encourages our employees to dispose of waste in the appropriate bins.

By segregating waste at the source, we minimize the amount of waste that ends up in landfills and maximize the potential for resource recovery and recycling. This not only helps to reduce our environmental footprint but also contributes to the conservation of valuable resources.



## Me-go

Cigarette butts are an environmental scourge that pollutes our soils and oceans. It is for this reason that we are a partner of MéGO!, a material recovery & recycling plant for cigarette butts in Europe.

In 2022, we collected 10.05 kg of cigarette butts, i.e.:

- 40 200 cigarette butts;
- Knowing that a cigarette butt thrown on the ground and ending up in the sewer pollutes 500 liters of water, by collecting 40,200 cigarette butts, we have saved 20,100 cubic meters of water.



## Label More

Vinventions is proud to have received the MORE Label from Polyvia, a European label that highlights our commitment to the circular economy and the integration of recycled raw materials in our products. The MORE Label serves as recognition of our efforts to reduce the environmental footprint associated with the production of our closures.

By actively promoting the circular economy, we strive to minimize waste, conserve resources, and integrate recycled materials into our manufacturing processes. The MORE Label validates our commitment to sustainable practices and signifies our dedication to creating products with a reduced environmental impact.

We are honored to receive this prestigious label, which acknowledges our ongoing efforts to drive positive change in the packaging industry. It motivates us to continue our journey towards a more sustainable future, and we are grateful for the recognition of our commitment to environmental stewardship.



# Prosperity

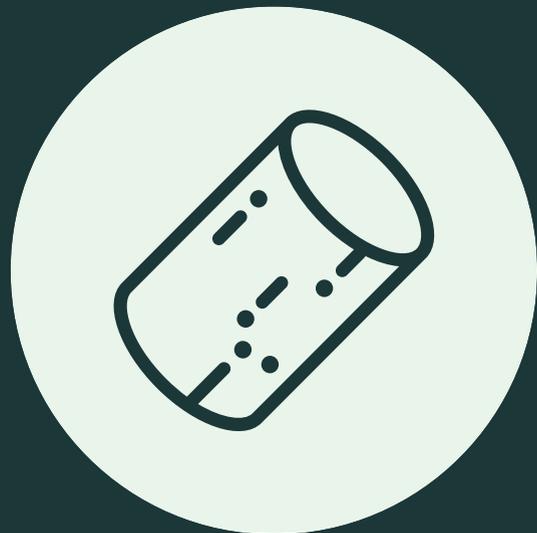


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# Our New Family Member: Federfin Tech Srl

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## Economies of scale

In 2022, Vinventions made a significant step in his growth journey by acquiring Federfin Tech Srl, a specialist in aluminum screwcaps located in Tromello, Italy. Federfin Tech is a well-established Italian manufacturer with over thirty years of experience in producing high-quality aluminum screwcaps for the wine, spirits, and olive oil industries. Known for their innovative product range and customer-centric service, Federfin Tech has built a strong reputation in the market.

This acquisition strengthens Vinventions' position as a leader in the wine closure industry and represents a major milestone in their strategy to become a global leader in high-performance and sustainable closures for the wine and spirits sector. By joining forces with Federfin, Vinventions will now be one of the top three producers of wine screwcaps worldwide, enabling them to create valuable synergies in both industrial operations and commercial activities. This union aligns with Vinventions' core values of flexibility, proximity, and providing robust technical support to their customers.

The combined group will leverage their collective R&D capabilities, particularly in oxygen management, and their extensive industrial expertise to drive innovation and develop new high-performance and sustainable products for their global customer base. Vinventions remains committed to delivering excellent service, maintaining customer proximity, and upholding their reputation for providing technical support. This acquisition propels Vinventions' growth trajectory and enhances their ability to meet the evolving needs of the wine and spirits industry.



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# SÜBR: A True Range of Product

## Establishing industrial scale

Vinventions has made significant advancements in its production capabilities, transitioning from the pilot phase to the industrial phase, to meet the growing demand for sustainable closures. Utilizing state-of-the-art patented extrusion technology, Vinventions has developed the first polyurethane-free micro-natural closure in the industry, demonstrating its commitment to environmental preservation.

By eliminating the use of polyurethane, a non-recyclable material, Vinventions has created a closure that aligns with circular economy principles. This innovative solution ensures the utmost respect for the environment by reducing waste and promoting recycling. Through rigorous research and development, Vinventions has successfully scaled up its production capacity to meet the market's needs for these eco-friendly closures.

The transition from the pilot phase to the industrial phase signifies Vinventions' readiness to produce these polyurethane-free closures on a larger scale, enabling broader adoption and contributing to a more sustainable future. This achievement reflects Vinventions' dedication to pushing the boundaries of technological advancements in the closure industry while prioritizing environmental responsibility.

## SÜBR: the first polyurethane-free micro-natural closure without cork taint

- Micro-Natural as a new category of closures
- Made using cork granules bound with a biodegradable material
- Polyurethane-free manufacturing process allows SÜBR closures to be recycled into other applications
- Bottle to bottle consistency
- Traditional appearance of high quality
- Excellent ageing potential
- Guaranteed to avoid cork taint



**Sandra Davidts,**  
Director of new product development and product management

“Improving the production process and the performances of the products of the Sübr range, as well as developing it by adding new products (F5 and M³), has been real technological and commercial challenges. We are proud of the accomplished work. And of course we don't stop on such a good path: we continue to develop the range and processes, addressing the market needs. “

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# SÜBR: a range of micro natural closures

Vinventions launches SÜBR F5 and SÜBR M3, new micro-natural wine closures that completes the existing SÜBR range, already available with the two aesthetic options SÜBR F7 and SÜBR M5.



## The new SÜBR F5

SÜBR closures are meticulously designed to provide a premium experience when opening a bottle of wine. They bear a striking resemblance to high-end single-piece natural corks, enhancing the overall presentation of the bottle. With their patented high-resolution cork feature print decoration on the side and ends, SÜBR closures exude elegance and craftsmanship.

The design of SÜBR closures allows for additional customization options, such as the inclusion of logo prints on the side and/or ends. This flexibility enables wine producers to further personalize their packaging and communicate their brand identity effectively.

Furthermore, the extended range of SÜBR closures caters to diverse market needs in terms of finishing and aesthetics. Whether a smooth finish or a textured surface is desired, SÜBR offers options that meet various preferences and requirements.

Overall, SÜBR closures combine the timeless appeal of natural cork with modern design elements, delivering a premium and customizable solution for wine packaging.

## The New SÜBR M3

The SÜBR M3 closure offers the design and performance of a micro-agglomerated cork closure, making it an excellent choice for bottling and preserving wine. It ensures consistent quality from bottle to bottle, providing peace of mind for wine producers.

One of the notable features of the SÜBR M3 closure is its lower weight, which offers benefits in terms of cost and efficiency. The efficient and simplified manufacturing process allows the closure to be positioned at a more affordable price point compared to other options in the SÜBR range.

Despite its cost-effectiveness, the SÜBR M3 binder maintains important characteristics such as biodegradability and recyclability. This means that it is environmentally friendly and can be easily disposed of or recycled after use.

In addition to its functional qualities, the SÜBR M3 closure also boasts an attractive appearance. It adds visual appeal to the bottle, enhancing the overall presentation and consumer experience.

Overall, the SÜBR M3 closure provides a compelling combination of performance, affordability, sustainability, and aesthetic appeal, making it a versatile choice for wine producers seeking a reliable and cost-effective closure option.

## SÜBR: a range of micro-natural closures

SÜBR stands as an innovative range of micro-natural closures offered by Vinventions. These closures are distinct as they are polyurethane-free and do not impart any off-flavors to the wine. The SÜBR lineup includes 4 different closure options with varying aesthetics: SÜBR F7, SÜBR F5, SÜBR M3 and SÜBR M5.

One of the key advantages of SÜBR closures is their ability to provide consistent and minimal oxygen ingress. This characteristic makes them well-suited for preserving the freshness of the wine and facilitating optimal aging in the cellar. With a focus on quality and performance, SÜBR closures aim to meet the needs of discerning wine producers and enthusiasts.

Starting from mid-2021, the printing of SÜBR micro-natural closures takes place at Vinventions' plant in Rivesaltes, France. This strategic move ensures efficient production and distribution of these closures to meet the growing demand from customers.

The SÜBR micro-natural closures have gained recognition as a new category of closures, and their popularity has been steadily increasing. In 2021, the volume of SÜBR closures witnessed a remarkable 50% growth. This growth can be attributed to the numerous benefits and advantages that SÜBR closures offer, attracting hundreds of customers who appreciate their unique features and positive impact on the wine preservation process.

Overall, SÜBR closures have established themselves as an innovative and sought-after choice among wine producers and customers who value the combination of performance, aesthetics, and the absence of polyurethane and taint.

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# Our Sustainability Certifications by Product

## Nomacorc Blue Line

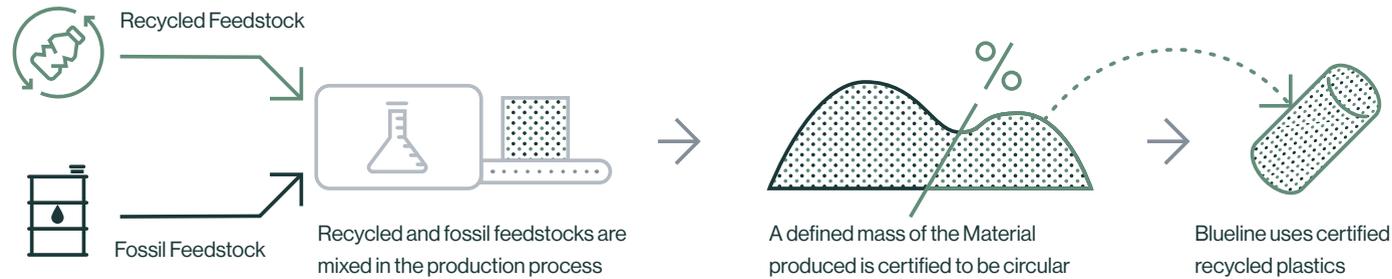
### What is Mass Balance?

The constraints related to logistics and production in the plastic industry make it challenging to physically trace recycled plastic from its initial stage to the end of the manufacturing process. In such cases, the «Mass Balance» approach is considered the most effective method for increasing the utilization of circularly sourced raw materials. This approach ensures a verified balance between the input and output of materials at each stage of the manufacturing process until the final product is achieved.

The Mass Balance approach has already demonstrated its effectiveness in various industries, including wood, cocoa, and electricity. It has played a significant role in advancing sustainable practices in the production of these resources. By adopting the Mass Balance approach, companies can ensure a transparent and reliable system for incorporating circular materials into their manufacturing processes, promoting sustainability and contributing to the overall goal of achieving a circular economy.



### What ?



### Why ?



To clean the planet from plastic pollution



Valorise the otherwise wasted plastic



Reduce CO<sub>2</sub> emission by avoiding plastic incineration



Reduce the use of fossil feedstock

## Nomacorc Green Line

### TÜV Austria

Nomacorc Green Line products have undergone rigorous testing and certification by an independent laboratory, TÜV Austria, to determine their bio-based content. This certification verifies the amount of bio-based materials present in the closures. To demonstrate that our products are made from biogenic carbon, we analyze the carbon 14 content through carbon dating, a process facilitated by our «TÜV Austria» stars certification.

Furthermore, we have conducted a comprehensive life cycle analysis (LCA) study for Select Green in collaboration with an external consultant. This study provides evidence of a zero carbon footprint for this product, further highlighting its sustainability.

At our Thimister plant, we share a collective vision with our entire staff that emphasizes continuous progress in all aspects. We strive to become an exemplary factory by embracing new technologies, prioritizing environmental stewardship, maintaining close relationships with our customers, and fostering a positive work environment focused on employee well-being.



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# « Net Zero Plastic to Nature » Certification

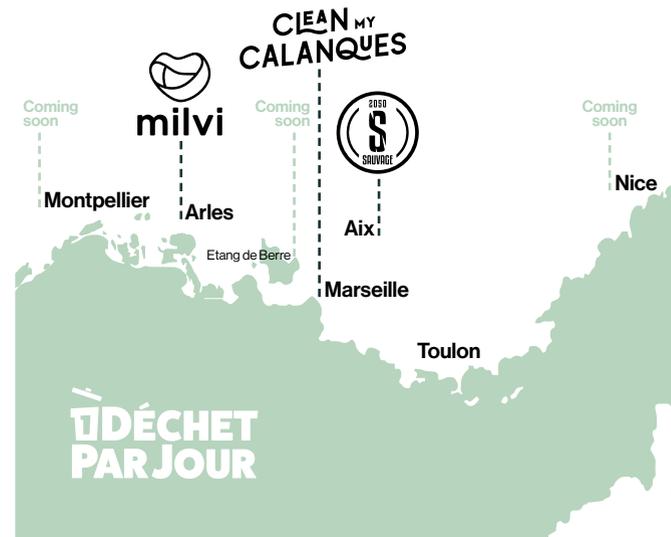
Nomacorc blue line becomes the first range of wine closures worldwide to receive south pole’s net zero plastic to nature label.

In October 2022, The Nomacorc Blue Line range achieved South Pole’s Net Zero Plastic to Nature label certification.

The attainment of this label follows a thorough external benchmark assessment conducted by South Pole, a renowned climate solutions provider and climate action project developer. During this assessment, Vinventions underwent a rigorous evaluation against globally recognized best-practice plastic accounting frameworks. This process ensured that our practices and initiatives align with the highest standards in plastic waste management and sustainability. By undergoing this assessment and receiving the label, we demonstrate our commitment to transparency and accountability in our efforts to address plastic waste and promote environmental sustainability.

**Nomacorc Blue Line’s “Net Zero Plastic to Nature” ambition makes sure no plastic is added to the world balance.**

For every ton of plastic used by the Vinventions Nomacorc Blue Line, an equal amount is permanently removed from the environment.



How does it work?  
And where do we collect?



To compensate the mismanaged plastic waste portion identified by **South Pole** for the Nomacorc Blue Line plastic footprint in 2022, **Vinventions** funds projects that permanently remove plastic waste from the environment.

We have partnered with M. & Mme Recyclage in France, who has identified a network of associations acting on the Mediterranean coast to collect and recycle plastic waste.

Our funds will help bring an additional impact to the efforts deployed by these associations:

- [milvi](#)
- [1 Déchet Par Jour / 1 Piece Of Rubbish](#)
- [Clean my Calanques](#)
- [Sauvage Méditerranée](#)

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# Nomacorc Ocean

## Nomacorc Blue Line , the first wine closure which helps protect our oceans.

**Nomacorc Ocean, the latest innovation from Vinventions,** represents a significant milestone in sustainability within the wine industry. It is the world's first closure made using Ocean Bound Plastic (OBP), a raw material sourced from waste collected in coastal regions to combat marine pollution. Vinventions has partnered with Donnafugata estate in Sicily and Maison Bouey in France, both renowned for their commitment to sustainability, to launch Nomacorc Ocean for their respective cuvées.

With Nomacorc Ocean, Vinventions demonstrates its dedication to preserving the environment and advancing the principles of a circular economy. By utilizing recycled ocean-bound plastics, the closure not only offers excellent performance but also helps address the urgent issue of marine pollution. Vinventions' partnerships with Donnafugata and Maison Bouey highlight the shared values and joint efforts in promoting sustainability within the wine industry.

Numerous global initiatives are underway to combat marine pollution, and Nomacorc Ocean contributes to these efforts by repurposing Ocean-Bound Plastic, preventing it from reaching the ocean and causing harm to marine ecosystems.

This innovative closure is a testament to Vinventions' commitment to environmental responsibility and its role in driving the wine industry towards a more sustainable future.

Vinventions is committed to upholding the highest standards and certifications in its sustainability efforts. In the case of Nomacorc Ocean, the Ocean Bound Plastic (OBP) used in the closure is collected by an organization certified to Zero Plastics Oceans' standards. This certification ensures that the OBP is obtained under ethical and profitable conditions, with rigorous auditing processes in place.

The certification guarantees that the collection efforts align with the definition of OBP provided by Zero Plastic Oceans. It ensures that the areas selected for collection and the waste collected meet the necessary criteria to have the highest impact in preventing marine pollution. By adhering to these standards, Vinventions ensures that the OBP used in Nomacorc Ocean is sourced responsibly and contributes to the company's commitment to environmental preservation.



**Antonino La Placa,**  
Sales Director Italy and  
South-East Europa

We know how important is the problem of the plastic in the Ocean and is and how is related not to the plastic itself but bed human management

With Nomacorc Ocean, Vinventions' goal is to offer its customers and the final consumer the opportunity to help protect the oceans,

we are happy that Donnafugata was the first winery's in the world to adopt this wine closure and we are proud to have started from Sicily, an island surrounded by the sea where this topic is well aware and where once again Italy and Vinventions has been a pioneer in terms of sustainability.

Because By purchasing Nomacorc Ocean, Donnafugata alone helped to relocate 1,7 ton of plastic waste, and the more customers will use this closure and more our planet will say thanks.

# What is WCM?

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## Meet Thomas Ogloza, WCM & Operations Manager, Vinventions Thimister

The official explanation I give to our Thimister associates in the WCM training is: "In order to respond to the threat on our company's perennity we maximize the use of our resources thanks to our Operational Excellence, the WCM."

The WCM letters stands for "World Closure Manufacturing", it is the operational excellence program and best practice guidelines that we build for the closure industry. We were inspired by the best methods of continuous improvement such as Shared Vigilance, TPM, World Class Manufacturing, Lean6Sigma, 5S, ... We tested them, we adapted them to our industry, we improved them and finally we were able to integrate them with our Industry 4.0 journey.

I am very proud to call it a "real operational excellence program" because of the way we combine Continuous Improvement methods, best management practices and Industry 4.0 technologies to tackle non optimal expenses and take each rational opportunities.

### WHAT IS THE SCOPE OF THIS PROGRAM?

Currently we integrated every process under the operation department. We divided our department into 11 pillars of work which included health & safety, quality, production, maintenance, new assets and products, supply chain & sustainability.

### WHAT IS THE JOB OF A WCM MANAGER AT VINVENTIONS?

In addition to participate in the creation of the program I am in charge of implementing it and making sure that we reach the ambitious objectives that we promised. My role vary from supporting the teams, overcome blocking points, giving training, bringing expertise and methodology to specific and complex project. In addition I am personally in charge of conducting different pillars such as Sustainability, Focused Improvement, Autonomous Maintenance and People Development.

### WHAT IS THE LINK BETWEEN OPERATIONAL EXCELLENCE AND SUSTAINABILITY?

Strong! I am paid to reduce spoilage! Of course spoilage of energy and raw material but far more than that spillage of time, spillage of people's talent, spillage of spare parts & consumables, spillage of water,...

In addition thanks to our operational excellence program and culture we make sure that our people go back home safe and sound, that the end user get a protected wine with a closure that is the best solution for the environment.

Personally as an individual I can confirm that the most positive impact I have on the environment and local communities is by doing my job of leading the operational excellence in Thimister.

### NAME 3 OF YOUR 2021-2022 RESULTS?

- Lost Time Accidents reduced by 4
- Productivity @ Chamferring and Embossing improved from 76% to 84%
- Breakdown reduced from 422h to 4h on 5 specific machines



## WCM OBJECTIVES

WCM can be seen as a toolbox composed of the best operation excellence method, industry practices and future oriented tool. All combine to reach a vision ZERO target:

**0** Zero **Breakdown**  
Zero **Defect**  
Zero **Stock**  
Zero **Accident**

In brief: **Zero Spillage!**

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## Our Results: Prosperity

# Yearbook

### Nomacorc Blue Line has been nominated among the “Circular Creativity Winners” by CONAI’s Ecopack 2022.

Vinventions participated in CONAI’s sustainable packaging challenge with its Nomacorc Blue Line. CONAI is an organization that recognizes and rewards exemplary cases of sustainable packaging practices. Out of the 390 candidates, 250 cases were selected for recognition, with a prize fund of 500,000 euros.

The purpose of the challenge is to promote and incentivize circular innovation in packaging. As part of the rewards, the top five cases receive additional incentives totaling 50,000 euros. By participating in this challenge, Vinventions demonstrates its commitment to sustainable packaging practices and its contribution to the circular economy.

The recognition and support from CONAI not only validate Vinventions’ efforts but also provide additional resources to further drive innovation and sustainability in packaging.



### Sustainability Talks

At the plant, regular Sustainability Talks are conducted every three months to educate and engage workers on various topics related to sustainability. These sessions serve as a platform to foster awareness, encourage sustainable practices, and empower workers to contribute positively to the plant’s environmental goals.

The initial talk introduced the concept of sustainability, prompting attendees to consider its meaning and implications. As the talks progressed, new ideas and techniques were incorporated, such as waste separation techniques, emphasizing the importance of minimizing environmental impact and promoting responsible resource management.

By providing these educational sessions, the plant aims to create a more environmentally conscious workforce. The Sustainability Talks not only increase knowledge and understanding of sustainability principles but also encourage workers to actively participate in sustainable practices both at work and in their personal lives.

Through ongoing education and dialogue, the plant fosters a culture of sustainability, inspiring workers to make informed choices and take actions that contribute to a more sustainable future.

### Vinventions Thimister receives the award of Factory of the Future.

We are very proud to announce that our site in Vinventions Thimister (Belgium) has today received the title of “Factory of the future” from the hands of the Vice-President of Wallonia Willy Borsus.

“This award is the result of long-term work started in 2010 with Lean/6 sigma, the industry 4.0 vision (2016), the World Class Manufacturing program (2019) and the Vinventions Foundations (2020). It is important to mention that this is the result of the work of all our teams. All of our processes have been audited in order to verify our ability to meet the challenges of the coming decades”, mentions Frédéric Grégoire, Chief Manufacturing & Technology Officer.

Our employees on the Vinventions Thimister site are now working with cobots, smart sensors and ERP manage and monitor all administrative and operational processes and respond in an agile, flexible and rapid way to the expectations of our distributed customers. in Europe, Asia and Africa.

“If our example can allow other companies who are reluctant to embark on digitalization to take the plunge, we would be very proud. In the future, we will continue the process of continuous improvement. Artificial intelligence will increasingly be part of our development by being integrated into our planning tools, equipment monitoring, etc.,” explains Axel Pirard, Site Director of Vinventions Thimister.



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## Who We Are



# Our Presence Worldwide

Manufacturing sites and commercial offices



## Our distributor network

On top of our plants and commercial offices, Vinventions works with a large network of distributors and agents.

Located in all the wine regions in the world, they sell the Vinventions brand globally.



USA	15
South America	2
Europe	83
AAPAC	1

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# Our Foundations

WHY

## Vinventions purpose

Since our founding in 1999, Vinventions has been on a journey to create a more sustainable future with our customers, partners and associates.



## Our Mission

- We help wineries and retailers ensure their wines present as intended and delight the consumer.
- We create value for our customers by innovating and applying leading practices to offer the most appropriate solutions to maximize wine quality, preservation and consistency.
- We influence our industry and our communities to preserve our planet.



## Our Vision

Be the most innovative, sustainable and trusted global supplier of closures and service solutions in the wine industry.

HOW



## Our Strategy

### HOW WILL WE SUCCESSFULLY ACHIEVE OUR GOALS?

Our strategy is based on 6 pillars.



Sustainability



Growth



Global



Innovation



Excellence



Founder's value

## Our Guiding principles

### HOW DO WE BEHAVE?



Customer centricity



Innovation



Empowerment



Open teamwork



Sustainability



Long term responsibility

## Our Leadership guidelines

### HOW WE ACT AS LEADERS?

- We lead by example
- We inspire trust and treat each other with respect
- We act with integrity and we do the right things in the right way
- We communicate openly and listen actively
- We are accountable and perform to our best
- We encourage ideas and experimentations and empower our employees and promote delegation

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# Our 6 Strategic Pillars



## Sustainability

We act responsibly towards our people, our customers, our communities and our planet.

### Efficient and environmentally friendly products

- Life Cycle Assessment
- Raw Materials
- Carbon neutrality

### Reduced environmental footprint

- Renewable energy
- Minimized waste generation
- Post-Consumer Recycling and Circularity

### Caring workplace and employee development

- Employee's health and well being
- Voice of our employees

### Social responsibility to our communities

- Charity actions



## Growth

We will grow through a combination of organic growth, consolidation and acquisitions.



## Global

We are a global company with a strong local presence.

- Increased marketshare
- New geographies
- Global Strategic Marketing



## Innovation

We make a difference by developing new products and technologies of superior performance.

- New products & technologies
- Innovative performance, design & sustainability
- Investments in wine making and oenological expertise



## Excellence

We owe our customers high quality products and services that are the reference in our markets. We will continuously improve our standards and achieve optimal use of all our resources in order to maximize our operational efficiency..

### Improved product performance

- New materials and technologies

### Industrial benchmark in operational efficiency

- WCM (World Closure Manufacturing)

### Customer experience

- System Platform and Ecosystem
- Improved operational and cost efficiency

### Talent development

- Culture of excellence

### Excellence in safety



## Founder's Values

We are a family company. We value it as an unmatched strength, and we will achieve our objectives while promoting our founder's values, among other, based on : love, trust and respect; honesty, integrity & fairness; team work; clear communication; optimistic realism; curiosity; financial discipline; fun.

### Respect for Founder's value

### Promotion of Founder's value

- Communication on regional actions

### Vinventions Day

- Celebrate company values

### Workforce diversity

- Recruitment and people development

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# Our Operating Model

INPUTS

## People



- Employees
  - Workforce diversity
  - Talent development
  - Shareholder engagement
  - Respect for & Promotion of
- Founder's value (Vinventions' Day)
  - Partnerships & Collaborations (throughout our value chain)

## Planet



- Renewable, circular, or biodegradable raw material
- Renewable energy
- Water
- Life Cycle Assessment

## Prosperity



- Stakeholder engagement
- Shareholder equity
- Manufacturing asset base
- Strategic acquisitions & consolidation
- Professional procurement
- Innovation
- WCM (World Closure Manufacturing)
- Global Strategic Marketing
- Improved operational & cost efficiency (EPIC/NetSuite)
- Increased market share
- New geographies

OUTCOMES

## People



- Employee well-being
- Employee benefits
- Workforce engagement (Voice of our employees)
- Length of service
- Excellence in Safety
- Customer experience
- Positive impact on our communities
- Philanthropy & sponsoring

## Planet



- Conservation of Biodiversity & Ecosystem Services
- Minimized waste generation
- Post-Consumer Recycling
- Environmental footprint reduction
- Carbon neutrality (combat climate change)
- Sustainable closures
- Circular economy
- Life Cycle/Systems Thinking (e.g. Eco-design, design for recycling, etc.)

## Prosperity



- Public Affairs strategy
- Positive contribution to economic growth in countries & markets in which we operate
- Contribution to business & the industry
- Improved product performance
- Food waste reduction
- Customer satisfaction (wine quality preservation)
- Cutting edge manufacturing operations and process



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# Our Offering

## Our commitments

 **Performance**  
For Your Wine

 **Sustainability**  
For Our Planet

 **Design**  
For Your Customers

 **Enology**  
For You

NOMACORC



CARBON NEUTRALITY  
CIRCULARITY

SÜBR



MICRO-NATURALITY

VINTOP



READY-TO-BE-RECYCLED

READY-TO-BE-RECYCLED

WQS



DECISION MAKING  
TOOLS AND SERVICES

## Performance advantage

- Sensory fault-free
- Cork taint-free
- Polyurethane-free
- Consistent & controlled O<sub>2</sub> ingress
- Bottle to bottle consistency
- Wine preservation tailored to all wine categories
- Reliable bottling performance
- Easy opening and reinsertion
- No breaking

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# Our NOMACORC Production Processes

BIO-BASED

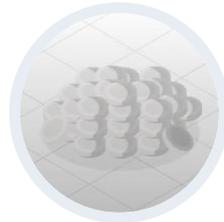
## Green Line™



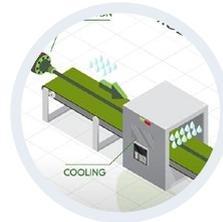
Raw material:  
Sugarcane



Bio-ethanol



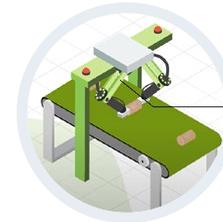
Bio-polyethylene



Co extrusion  
process



Chamfering



Embossing



Printing, Surface  
treatment &  
Packaging



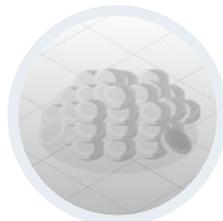
Nomacorc  
Green Line

RECYCLED-BASED

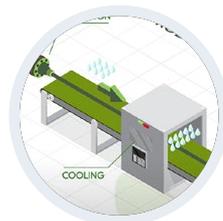
## Blue Line™



Raw material: recycled  
feedstock & fossil  
feedstock



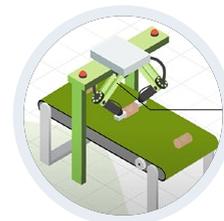
Circular-polyethylene



Co extrusion process



Chamfering



Embossing



Printing, Surface  
treatment &  
Packaging



Nomacorc Blue Line

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# Our SÜBR Production Processes

MICRO-NATURAL  
Sübr™



## A new finishing plant in France

Since mid-2021, the production of SÜBR micro-natural closures, a new category of closures, has been taking place at our plant in Rivesaltes, France. This move marks a significant step in the development of SÜBR closures and their increasing popularity in the market. In fact, the volume of SÜBR closures produced has experienced a remarkable 50% increase in 2021.

The production of SÜBR closures is made possible by state-of-the-art extrusion that allows us to create a polyurethane-free and recyclable closure, demonstrating our commitment to environmental sustainability. This innovative closure offers the utmost respect for the environment while delivering the desired performance.

Furthermore, in recent months, Vinventions has made significant progress in scaling up the production of SÜBR closures. We have transitioned from the pilot phase to the industrial phase, increasing our production capacity to meet the growing demand for this eco-friendly closure. This expansion reflects our dedication to providing sustainable solutions to the market while maintaining the highest standards of quality and efficiency.

With the production of SÜBR closures in full swing, we are proud to offer our customers the advantages of this groundbreaking closure, combining environmental responsibility with superior performance.



# Our VINTOP Production Processes

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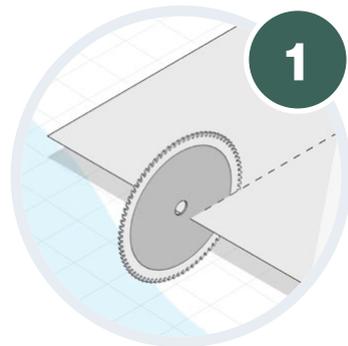
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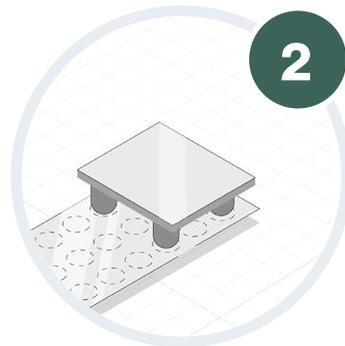
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SCREWCAP  
Vintop™



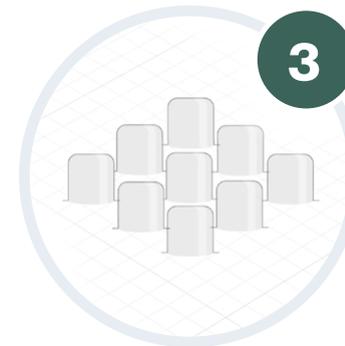
**Aluminum sheet slitting**

Batch of lithoprinted sheets approved by quality gets slitted in two



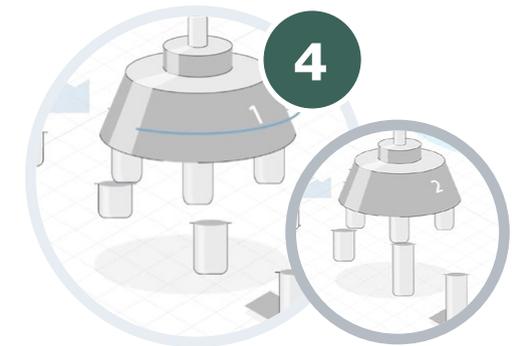
**Punching**

Punches deep drawing  
The aluminum sheet



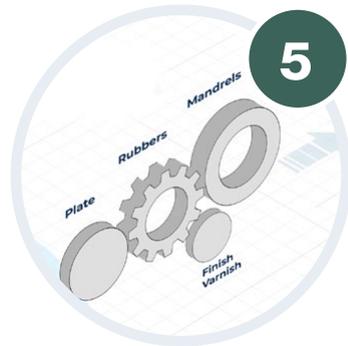
**Punching**

Semifinished shells



**Rotative drawing**

Elongation machine,  
Step 1: Punches softly drawing the aluminum  
Step 2: Punches again softly drawing the aluminum



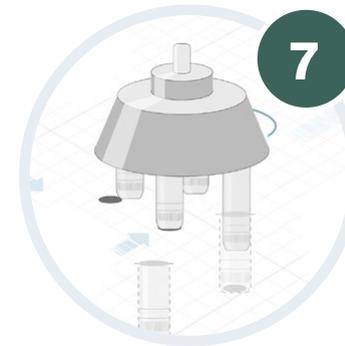
**Rotative offset printing**

Pusher (shells entry from chain)  
Exit to ovens via chain



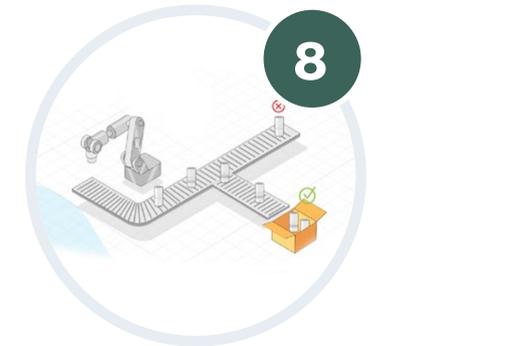
**Knurling**

Mandrels mediated roll forming



**Liner insertion**

Liners / finished shells



**Sorting & Packaging**

Camera control & packaging

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See you in 2024 for a  
recap of our teams'  
great moments and  
progress made towards  
preserving wine  
“one closure at a time”

