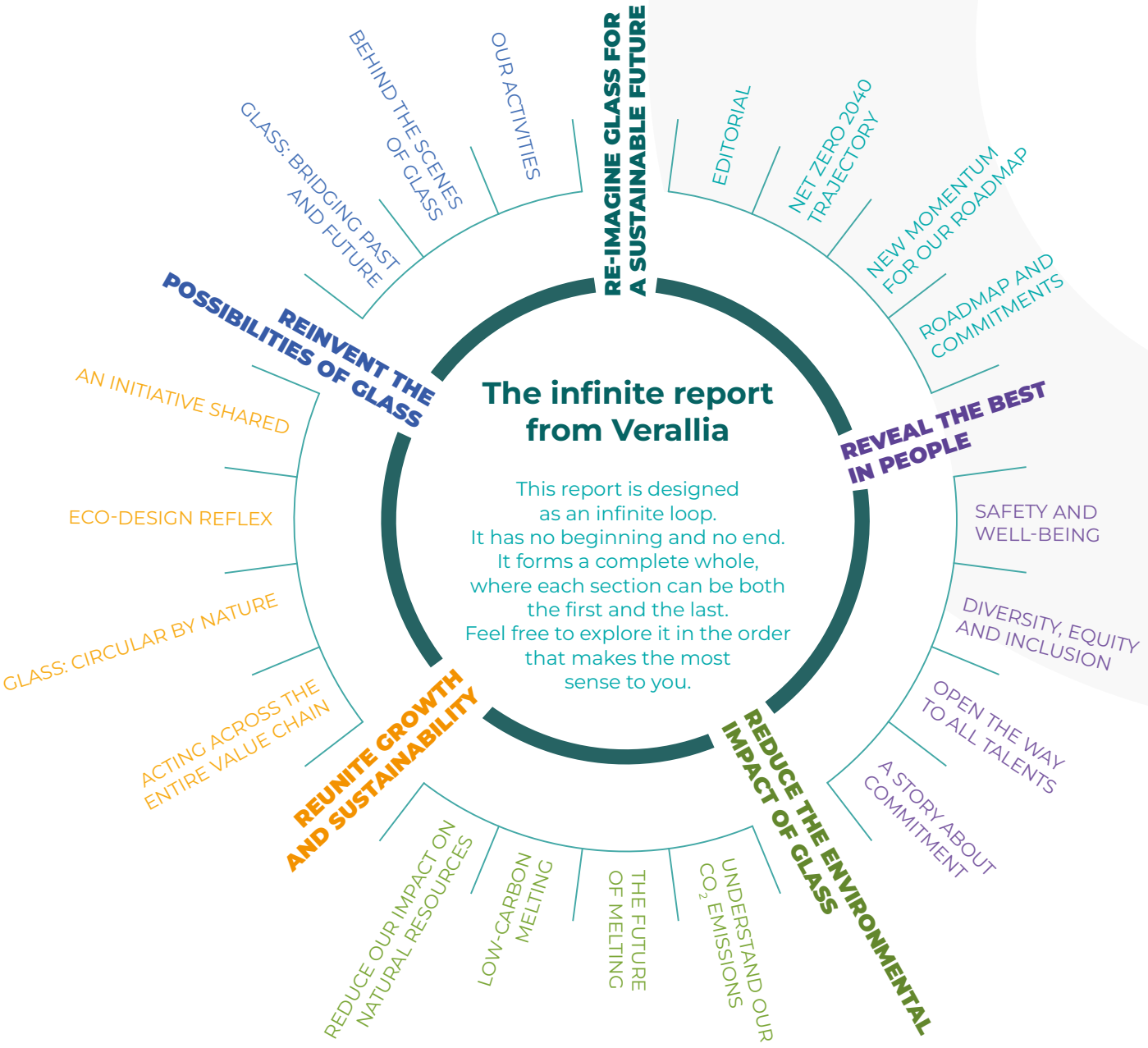
verallia

CSR REPORT 2024 / 2025

RE-IMAGINE

GLASS FOR A SUSTAINABLE FUTURE



EDITORIAL

Re-imagine glass for a sustainable future.
This guiding principle shapes every action taken by our Group. This year, it has resulted in a new impetus: we have redefined our CSR roadmap with greater clarity, strengthened objectives and a clear determination to take action at every level.

Validated by the SBTi, our Net Zero* trajectory for 2040 marks a decisive step forward. It reflects the strength of our strategy, while also reminding us of the scale of the challenge ahead. This validation fully commits us to transforming our production methods and driving innovation. It also affirms our intention to align our partners, customers and all our employees around a shared ambition.

Throughout the year, we intensified our actions with our entire value chain. Eco-design, reuse, increased use of cullet, low-carbon innovations: these are all levers that we are implementing with strong ambition and high standards.
In the face of today's retreat and scepticism, we have chosen commitment. Without compromise. Without greenwashing.

This change cannot succeed without the people who work at Verallia. By the end of 2025, more than 300 employees from the sales and marketing teams will have been trained in CSR issues.

The daily commitment of our teams whether in the field, at our industrial sites, technical centres, or within sales and support functions, embodies our vision. Because building a sustainable industrial model also means believing in collective intelligence, in progress, and in our shared ability to do better. Together.

"Our responsibility is to act relentlessly to make glass more circular, more energy-friendly and more sustainable. Together, with rigour and sincerity, we pursue this ambition for our customers, our teams and future generations."

**Validation of our Net Zero 2040 objective by the SBTi. Net Zero corresponds to a 90% reduction in our CO_2 emissions and 10% offsetting, by 2040 for scopes 1 and 2 and by 2050 for scope 3 compared to 2019.*

Patrice Lucas
Chief Executive Officer
Verallia Group

The NET ZERO 2040 trajectory validated by the SBTi

The Science Based Targets initiative (SBTi) has validated Verallia's Net Zero 2040 decarbonisation trajectory, in line with the SBTi Net-Zero Standard. This validation puts the Group at the forefront of its industry and underlines the relevance of the investments and actions undertaken to reduce the environmental impact of glass packaging.

SCIENCE BASED TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

BUSINESS AMBITION FOR 1.5°C

AHEAD OF THE CROWD

This year, the SBTi officially validated Verallia's long-term CO_2 reduction target to achieve Net Zero by 2040.

Verallia has become the first producer of glass packaging for beverages and food products to commit to a Net Zero trajectory by 2040.

The SBTi had previously validated the Group's short-term CO_2 reduction target for 2030. It is aligned with the trajectory aimed at limiting global warming to +1.5°C above pre-industrial levels, in line with the IPCC's recommendations and the Paris Agreement.

This year, the SBTi officially validated Verallia's long-term Net Zero trajectory according to its Net-Zero Standard. By 2040, Verallia is committed to reducing its CO_2 emissions for scopes 1 and 2 by 90% and offsetting the remaining 10% compared with the 2019 reference year.

OUR REDUCTION TARGETS TOWARDS NET ZERO 2040

Scopes 1 and 2

vs 2019

-46.2%
CO_2 emissions by **2030**

-90%
CO_2 emissions by **2040** and

10%
offsetting

Scope 3

vs 2019

-27.5%
CO_2 emissions by **2030**

-90%
CO_2 emissions by **2050** and

10%
offsetting

SBTi: THE INTERNATIONAL BENCHMARK

The Science Based Targets initiative (SBTi) is a joint project between the Carbon Disclosure Project (CDP), the United Nations Global Compact, the World Resources Institute (WRI) and the World Wide Fund (WWF). It encourages companies to set science-based targets for reducing CO_2 emissions.

The initiative checks that they are in line with the Paris Agreement and compatible with the objective of limiting global warming to +1.5°C in line with the recommendations of the IPCC (Intergovernmental Panel on Climate Change).

"We are very proud of the SBTi's validation of our Net Zero target for 2040, which places Verallia at the forefront of its industry. This represents recognition for the work undertaken by our teams and the robustness of our 2040 decarbonisation plan. It affirms the credibility of our climate strategy and reinforces confidence in our ability to transform our industry over the long term. Our teams are fully mobilised to meet this ambitious challenge, driven by a purpose that guides every one of our actions."

Wendy Kool-Foulon & Laëtitia Fabre
Verallia Group CSR Department

Katia de Saint Germain, Marie-Astrid Gossé, Laëtitia Fabre, Patrice Lucas, Wendy Kool-Foulon, Julie Bastien, Nathalie Delbreuve, Claire Verbrugghe, Romain Barral.

2025: A NEW MOMENTUM FOR OUR ROADMAP

In 2025, Verallia's CSR strategy gains new momentum: a stronger commitment to employees and an accelerated focus on the most strategic environmental issues. In this report you will read about how our approach has evolved. To shed some light on this, we give the floor to the project group that devised the strategy.
The aim is to explain, take responsibility and encourage others to follow the movement.

WHY REVISE A ROADMAP THAT IS ALREADY COMPREHENSIVE AND ADOPTED BY THE TEAMS?

2025 marks the end of the first cycle of commitments. It's the perfect opportunity to take a break, look in the rear-view mirror, assess what has been achieved and pay tribute to all that has been done by the teams in the field.
It's also a pivotal year, one in which the double materiality analysis carried out in 2024 as part of the CSRD, will inform what happens next.
This process has helped us refine our understanding of our impacts and risks, confirm certain priorities and change those that needed greater clarity or ambition.

IN PRACTICAL TERMS, WHAT DOES THIS NEW ROADMAP CHANGE?

In this context, where expectations are becoming clearer and the issues more complex, it has become useful to change the way we structure them. We have therefore chosen to simplify the roadmap, without reducing its scope. The challenge is to clarify our commitments by grouping together related issues, integrating the new challenges arising from the CSRD and giving a more structured and visible place to issues that were previously dealt with in a more horizontal manner.

PEOPLE COMMITMENT *is now the top priority of our roadmap. It's a way of asserting that change can only be achieved with –and thanks to– those who make it possible on a daily basis. Health, safety, inclusion, quality of life at work: these are all issues that remain at the heart of our priorities, in direct line with our ambition to be a responsible and committed employer. A central place is given to the* **ENVIRONMENT**. *Climate, water, waste, air quality, soil regeneration: these issues are now brought together to reflect a more global and coherent approach to preserving natural resources.*

This grouping gives us a better understanding of the interactions between these themes and strengthens our environmental initiatives.
Some issues, such as water management, are taking on new importance, with progress already visible.

Finally, the idea of **SUSTAINABLE GROWTH** *affirms a strong conviction: changing our business model also means creating value differently –more sustainably. This third and final pillar connects our commitments of circularity and eco-design, and highlights the partnerships established across our value chain. We collaborate with our entire ecosystem to develop sustainable, innovative solutions that create value for our customers, helping them reduce their environmetal impact –particularly their scope 3 emissions –and reinforcing what sets us apart in their eyes.*

WHAT'S NEXT?

This roadmap is built on a long-term vision and, above all, an ever-growing collective motivation. It doesn't just happen: it comes to life through projects, collaboration and commitment.
This report is a reflection of that. It's not a conclusion, but a starting point for new connections. It bears witness to an ongoing movement, a continuing desire to make progress, and a joint effort that is still being written.

Welcome to a report that reflects continuous progress — it never ends.

OUR ROADMAP

RE-IMAGINE GLASS
FOR A SUSTAINABLE FUTURE

PEOPLE COMMITMENT
- HEALTH & SAFETY
- DIVERSITY, EQUITY & INCLUSION
- EMPLOYEE EXPERIENCE

ENVIRONMENT
- CLIMATE
- NATURE

SUSTAINABLE GROWTH
- GLASS CIRCULARITY
- ECO-DESIGN
- VALUE CHAIN

OUR VALUES AND OUR ETHICAL PRINCIPLES

Driven by an ambitious roadmap, Verallia is contributing to 13 of the 17 United Nations (UN) Sustainable Development Goals (SDGs).

MEASURED COMMITMENTS

KEY COMMITMENTS	OBJECTIVE	INDICATOR	BASE YEAR	IN 2024	TARGET 2030
Health and safety	Aim for zero accident and achieve TF2 <=1.5 by 2030	TF2*	5.5 in 2019	1.9	**≤ 1.5**
Diversity, equity and inclusion	Maintain 35% female managers at Group level by 2030	Share of female managers	29% in 2019	33.3%	**35%**
	Maintain employee access to a 5% equity stake in the company by 2030	Capital held by employees	2.6% in 2019	4.4%	**5%**
Employee experience	Train 100% of our employees to improve their relevant skill-set by 2030	% of employees trained per year	2025	/	**100%**
	Guarantee a health and life base coverage for all employees by 2030	% of employees covered by One Care	2025	/	**100%**
Climate	CO_2 **Follow the Net Zero 2040** trajectory validated by the SBTi:** Near-term objective: reduce CO_2 emissions for scopes 1 and 2 by 46.2% in absolute terms by 2030 (vs. 2019) Long-term objective: reduce CO_2 emissions for scopes 1 and 2 by 90% in absolute terms by 2040 (vs. 2019)	CO_2 emissions for scopes 1 and 2 in kilotonnes CO_2	3,336 in 2019	2,512 -24.7%	**1,800** **-46.2%**
	Near-term objective: reduce CO_2 emissions for scope 3 by 27.5% in absolute terms by 2030 (vs. 2019) Long-term objective: reduce CO_2 emissions for scope 3 by 90% in absolute terms by 2050 (vs. 2019)	CO_2 emissions for scope 3 in kilotonnes CO_2	1,887 in 2019	1,455 -23%	**1,368** **-27.5%**
	Energy Use 100% certified renewable or low-carbon electricity by 2040	Share of certified renewable or low-carbon electricity out of total electricity consumed	25% in 2019	64%	**80%**
Nature	Achieve 0.35 m³/tpg water consumption in glassmaking plants by 2030	Cubic metres of water consumed per tonne of packed glass (tpg)	0.63 in 2019	0.53	**0.35**
	Achieve 0.25 m³/tpg of water consumption in glassmaking plants in areas of high water stress by 2030			/	**0.25**
Glass circularity	Maximise use of external cullet in our products by maintaining the average integration rate at around 60% by 2030	Rate of external cullet use in glass production	49% in 2019	56.4%	**≈60%**
Eco-design	Develop eco-design and low-carbon products: reduce the weight of standard and non-returnable bottles and jars by 6% between 2019 and 2030	Average weight change calculated using the Alpha coefficient to eliminate the bias of container capacity	2019	-2.5%	**-6%**
	Develop eco-design and low-carbon products: at least one Air bottle or jar in all key segments by 2030	Share of key segments offering an Air*** product	25% in 2025	/	**100%**
Value chain	Maintain 90% of purchases covered by the Supplier Charter by 2030	% of the amount of purchases covered by the signature of the Supplier charter	71% in 2019	90%	**90%**

SCIENCE BASED TARGETS
DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

BUSINESS AMBITION FOR 1.5°C

CDP
DISCLOSURE INSIGHT ACTION
A-
Climate Change
B
Water Security

PLATINUM Top 1%
ecovadis
Sustainability Rating
JAN 2025
85/100
Platinum medal
for the 4th consecutive year

TF2: accident frequency rate (with and without lost time).
***Validation of our Net Zero 2040 objective by the SBTi. Net Zero corresponds to a 90% reduction in our CO_2 emissions and 10% offsetting, by 2040 for scopes 1 and 2 and by 2050 for scope 3 compared with the reference year 2019.*
****Includes still wines, sparkling wines, spirits, beers and ciders, food and non-alcoholic beverages.*

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REVEAL

THE BEST IN PEOPLE

TAKING CONCRETE ACTION FOR OUR EMPLOYEES

At Verallia, revealing the best in our employees means making concrete and measurable commitments, supported on a daily basis by our teams and business experts. These commitments apply to all profiles and are part of a continuous improvement approach.

Being part of Verallia also means becoming part of a committed international group, which is growing thanks to the motivation and expertise of its employees, driven by a desire for continuous improvement at all levels, to contribute to the responsible transformation of the glass industry.

1.5

This is the accident frequency rate (with and without lost time) targeted for 2030

35%

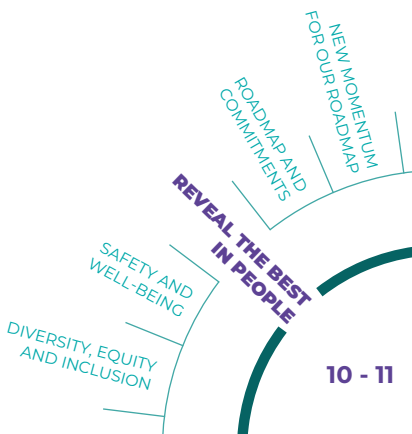
of women managers is the target set for the Group for 2030

100%

of employees will be trained by 2030

100%

of employees will have a health and life base coverage by 2030



HEALTH AND SAFETY: ZERO COMPROMISE

A safe working environment is essential, so we are constantly strengthening our prevention and protection systems to safeguard the health and safety of everyone.

OUR HEALTH AND SAFETY OBJECTIVES

0
ACCIDENT

0
OCCUPATIONAL ILLNESS

0
MANUAL LOAD CARRYING

Since 2019, the frequency rate of accidents at work (with and without lost time), TF2, has been reduced by two thirds at Verallia. This improvement is based on the following pillars:

- a robust EHS system based on 22 standards covering all types of risk, constantly updated through incident analysis and improved prevention methods;
- intensive and positive communication on safety, based on videos featuring Verallia employees and illustrating safety standards, and the organisation of an annual safety day at all Group sites;
- the commitment of managers in the field through Safety Gemba Tours and the implementation of cross-functional actions called "Look Across", enabling the same level of protection to be implemented at every site.

1.9

TF2 in 2024
(vs 5.5 in 2019)

"LOOK ACROSS" ACTIONS

Based on accident analysis, Verallia identifies and prioritises cross-functional safety actions in its programme "Look Across". The aim of these initiatives is to improve protection at all our sites, in particular by installing the right equipment and the appropriate tools.

These initiatives are quickly shared and rolled out throughout the Group's plants.

LIGHTENING THE WORKLOAD IN ALBI

In Albi (France), Fabien Cordier, Director of the Verallia plant since 2020, is working with his teams to achieve a major goal: reduce manual load carrying. It's all about employee health and the future of glassmaking.

"Changing a mould can be quick, but the movements are demanding and the positions uncomfortable. A mould weighs around 15 kg.

Over time, this can lead to pain and even musculoskeletal disorders. The machine is not designed for people. It's up to us to adapt," he explains.
For more than ten years, the site has been committed to a programme to reduce manual loads, now going Group-wide through the "Zero Handling by Hand" programme.

With the support of an ergonomist, the teams were able to identify at-risk positions and movements and develop appropriate solutions together.

"It's the operators who test, validate and sometimes design the tools. If a solution works, it is adopted.
Nothing is imposed. What's more, if a solution takes longer or complicates the procedure, it will quickly be set aside - even if it provides physical relief. "

"The operators are the ones who test, validate and sometimes design the tools."

In mould maintenance workshops, 100% of handling is now done without physical effort, thanks to hoists, gripping plates and other hand-extension tools.
But the work is not done yet.

"*There are still some complex situations, particularly in production. We are exploring and testing new solutions, such as exo-suits. It's time to adapt the machine to the human being -and not the other way round.*"

ERGONOMICS: THE KEY TO WELL-BEING AND SAFETY AT WORK

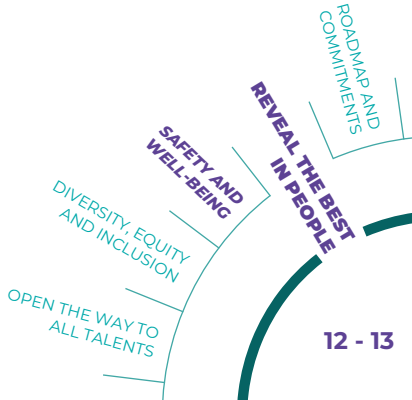
Ergonomics is a key factor in reducing occupational health risks and improving day-to-day well-being. In 2021, we created a dedicated programme to strengthen and sustainably integrate it into our practices.
It helps us adapt our workstations as effectively as possible for people with disabilities and for all our employees.

In 2024, we identified manual load carrying as a priority.
The "Zero Handling by Hand" programme was launched with the aim of achieving zero manual loads by 2026. We are monitoring progress at all our sites.

Today, in seven plants, less than 30% of loads are carried manually, and in two of them we are already close to zero load-carrying. This is major progress considering that, just 15 years ago, 100% of loads were still carried manually.

SAFETY GEMBA TOURS

To boost the safety culture directly in the field, the EHS teams of the Group's various divisions created the Safety Gemba Tours. During these field visits, managers observe practices and, together with their teams, identify risky behaviour or potentially dangerous situations.



BRING DIVERSITY, EQUITY AND INCLUSION TO LIFE

In 2024, Verallia reached an important milestone with the drafting and signing of its Diversity and Inclusion Charter. More than a declaration of intent, it sets out concrete commitments: guarantee fair pay, encourage the inclusion of all people without distinction and promote professional equality.

FROM THEORY TO PRACTICE

Expressed at Group level, these commitments are rolled out locally, taking into account the specific geographical and socio-cultural contexts of each country and each site.
The Global Day for Diversity, Equity and Inclusion, organised at all our sites, illustrates this local approach. For example, a number of actions have been carried out: training and awareness-raising activities, a visit from the Rovisco Pais wheelchair handball team to the Mondego site (Portugal), and a talk by Susana Rodríguez, Paralympic triathlete and gold medallist (Tokyo 2020 and Paris 2024), at the Madrid head office.

MORE WOMEN IN KEY POSITIONS

Verallia is committed to increasing the proportion of women in management and executive positions.
To achieve this, the "Women@Verallia" mentoring programme was launched in 2019 throughout the Group.
Its success has inspired similar initiatives in Italy, Spain and Germany.

The Group has also run a campaign to promote its commitment to gender diversity and inclusion in scientific and technical fields. Verallia celebrated women who chose a career in science or technology to raise awareness and help reduce the gender gap in our industry.

Finally, in 2024, Verallia Italy renewed its gender equality certification, obtained in 2023. This certification process assesses actions taken in six key areas, including equal opportunities and pay, parenting and managing gender differences.

33.3%
of women managers in 2024

3
women on the Group Executive Committee in 2024

12
women have been mentored by the "Women@Verallia" programme in 2024 (52 since its creation in 2019)

"The big challenge for Verallia is to align the new generation with the experience of the older one. The future is being prepared now."

Working at Verallia since 1992, Fabio Moreira has built his career between Brazil and Europe. Now Glass Preparation Manager, Latin America, he has been recognised as a technical expert in the Glassify programme – a distinction that rewards his passion for sharing technical knowledge.

WHY IS PASSING ON KNOWLEDGE ESSENTIAL?

Because glassmaking skills cannot be improvised. Glassmaking is an exact and demanding science that takes time to master. The balance between all the variables is complex, and each furnace has its own specific characteristics. Technology is always improving, but it's no substitute for experience. Hence the importance of passing on knowledge.
The big challenge for Verallia is to align the new generation with the experience of the older one.
The future is being prepared now.

HOW DO YOU REALLY PASS ON KNOWLEDGE?

Verallia has been part of my life for over thirty years. From working with glass, I've learned that watching isn't enough; you have to physically do the job: handle, manipulate and experiment. It's absolutely essential. Verallia offers this learning opportunity. I do my utmost to get young people involved. For example, when I have to travel abroad or attend strategic meetings, they come with me. I quickly realised that learning was a two-way street. They speak better English, have a better command of technology... And above all, they teach us to be more efficient, to work differently. Through them, I realised that it wasn't always about doing more, but sometimes doing things differently.

"GLASSIFY": PASSING ON UNIQUE GLASSMAKING EXPERTISE

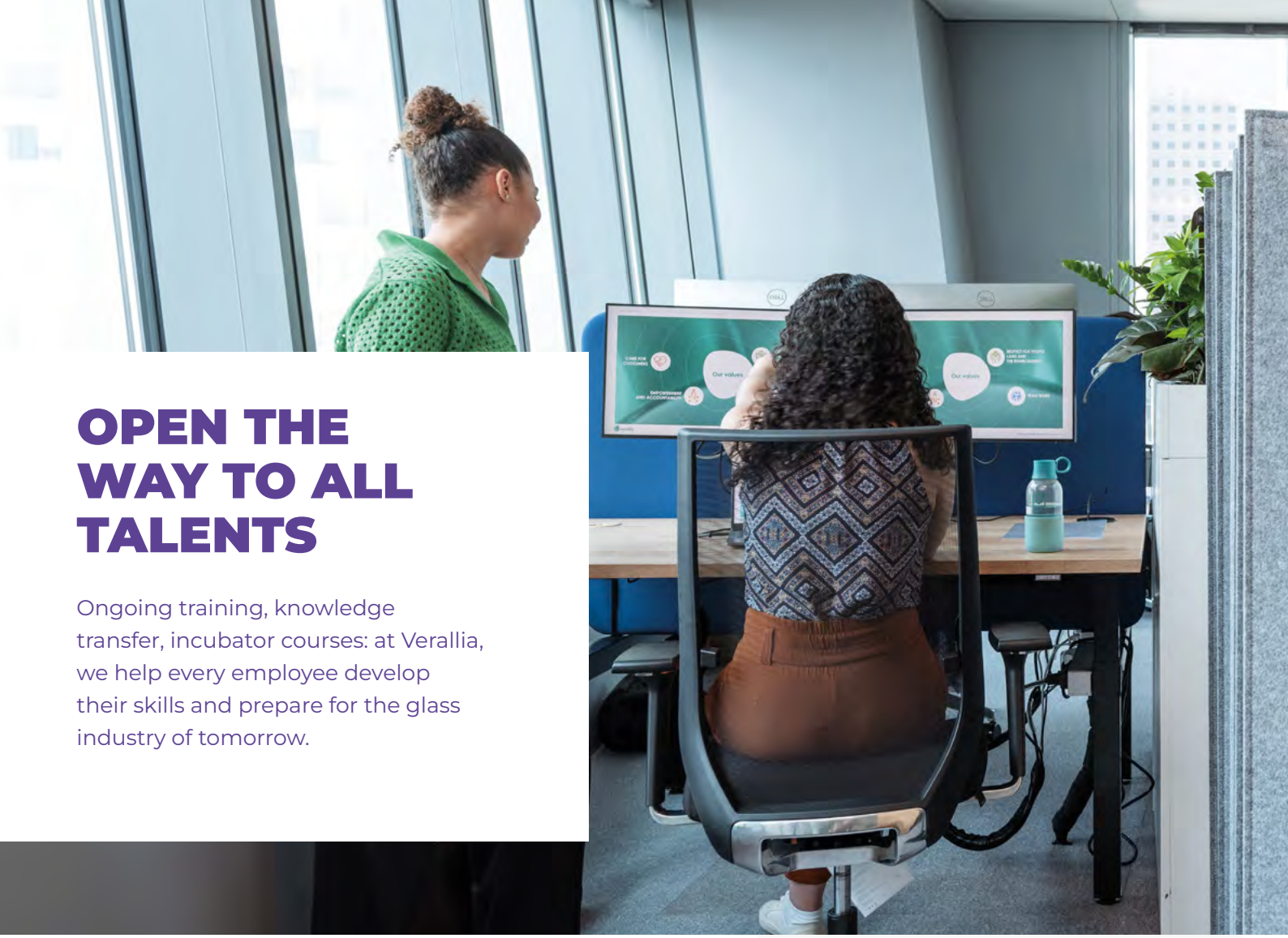
The "Glassify" programme was launched in response to a key challenge: recognising, preserving and passing on the rare technical know-how that makes Verallia a unique repository of glassmaking expertise.

Designed by a team of industrial directors, HR managers and business experts, this programme offers rewarding career paths tailored to people wishing to capitalise on their technical skills rather than move into team management.

Initially rolled out in Latin America, France, the UK and Germany, "Glassify" is based on a rigorous process: candidates are assessed on their level of technical expertise, their ability to solve problems, pass on their skills and embody the Group's values.

Experts are then appointed by a technical committee, with final validation by the Executive Committee for the most experienced people.

In 2024, 11 experts specialising in furnace operation, shaping or inspection machines joined the first "Glassify" class. Selections will now take place every year.



OPEN THE WAY TO ALL TALENTS

Ongoing training, knowledge transfer, incubator courses: at Verallia, we help every employee develop their skills and prepare for the glass industry of tomorrow.

100% OF OUR EMPLOYEES TRAINED BY 2030

Training is an essential lever for supporting change in our businesses, developing new skills and meeting the challenges of digitalisation and transition.

In 2024, more than 400,000 hours of training were provided at all Group sites focusing on health and safety, quality control and production skills. These efforts are part of our commitment to train 100% of our employees by 2030.

With this in mind, the "Imagine" digital platform was launched in 2022. Available in all the Group's languages, it offers customised content adapted to local needs and is regularly updated with input from business experts. By 2024, nearly 70 training programmes had been added to the platform.

"PÉPINIÈRES" COURSES: SPRINGBOARDS TO THE FUTURE

"Pépinières" courses support young graduates in their first steps at work and help them build their career path at Verallia. The aim is to train the Group's future experts and managers. For 18 months, these talented young people join our sites to receive on-the-job training and get their initial experience. Supervised by the teams, they gradually develop their skills with the aim of moving up to operational responsibilities as quickly as possible.

"VERALLIA ONE CARE": A GLOBAL COMMITMENT TO HEALTH

"Verallia One Care" is committed to guaranteeing minimum health and pension cover for all Group employees by 2030, at all sites and for every job. The aim of this programme is to align protection across countries and to extend supplementary health cover to non-managerial staff, in order to strengthen equity and social protection for everyone.

PASSIONATE ABOUT GLASS, INSPIRED BY YOU

In 2024, Verallia presented its new employer brand, which promotes both its expertise and the future of glass professions. Although the glass sector is often perceived as purely industrial, it nevertheless encompasses a wide variety of trades and the legacy of over 200 years of expertise. Working at Verallia means:

JOINING

a global player with local roots, where every person counts and contributes to collective development.

PARTICIPATING

in a meaningful industry, improving a material that can be infinitely recycled and rethinking the way we produce, supply, reuse, and recycle glass.

BENEFITING

from concrete development opportunities, internal mobility and a fulfilling working environment.

4,688

employees, over 25% of whom are manual workers, used the "Imagine" platform in 2024

54

new e-learning courses

100%

of target employees trained in compliance issues in 2024*

"Being part of Verallia means contributing to the development of an international group, a leader in Europe, where everyone can fulfil their potential and find their place, whatever their role."

Katia de Saint Germain
Director of Human Resources, Verallia Group

*Anti-corruption, competition law, economic sanctions and embargoes.

VERALLIA: PASSIONATE ABOUT GLASS, INSPIRED BY YOU!

From Italy to Brazil, France to Spain, UK to Germany, these employees embody our brand. They grew up with Verallia. Their stories are different and their paths unique, but they are united by the same passion: glass and a profession that has become much more than just a job. A story about commitment.

Luca, Melissa and Asia Bassini
Process Technician, Line Manager, Line Controller

Italy, Pescia site
28 years, 3 years and 2 years with Verallia

A STORY ABOUT FAMILY

As a child, Luca dreamed of working in the factory near his home, which seemed huge and almost inaccessible. He has achieved this dream -and more. Hired as an operator, he is now a Process Technician.

He has been working at Verallia for 28 years now and has passed on his passion to his two daughters, who also joined the Group around three years ago. Today, the whole family works at the same site.

The oldest, Melissa, is a Line Manager. Asia, the youngest, is a Line Controller. A work adventure that has become a family affair, full of meaning, passing on knowledge and pride.

"Working together has strengthened our bond. We share a passion for glass and things done well. Things done with love. Here, you feel like part of a family."

Denis Klock
Hot End Manager in the Group's Technical Department

France, Chalon-sur-Saône site
40 years at Verallia

A STORY ABOUT LEGACY

A doctor in physical chemistry, Denis joined Verallia in 1986. After eight years of study, he thought he had finished learning... But it was only the beginning. He has been involved in the construction of furnaces in Europe, Russia, China, India, the United States and South America. His career has been intense but never sedentary, and he continues to train in new areas such as Big Data and artificial intelligence.

Now it's his turn to pass the baton, and he's investing in training the younger generation, incubating new talent
and developing his team.

"What am I most proud of? Seeing the young people I've coached become talented and accomplished managers in their own right. This human connection, this legacy: it's what makes my career, my profession and our company truly unique."

Fernando de Almeida

Production Supervisor

Brazil, Campo Bom site
24 years at Verallia

A STORY ABOUT PERSEVERANCE

Fernando arrived in Campo Bom in 2001 with a rucksack full of clothes and the little money his father had given him.
He was young and inexperienced. It was his first time in town.
He had heard a lot of good things about the Verallia plant. He gave them dozens of copies of his CV.

His perseverance was eventually rewarded with an interview. He spoke emotionally about his family and his desire to develop and improve his life. He got the job.

From the outset, he set himself a goal: career development. Supported by colleagues and training courses provided by the Group, he moved forward step by step. He joined the

He joined one of the Group's most demanding programmes, the "Leader's Trail", and got his diploma in production engineering. Today, he is Production Supervisor.

"I've grown as a person and as a professional. I'm happy with my situation: my parents, my wife and my daughter are proud of me. Verallia has been fertile soil: everything I've sown here has been able to flourish."

Gloria Martorell Marti

Customer Service Manager

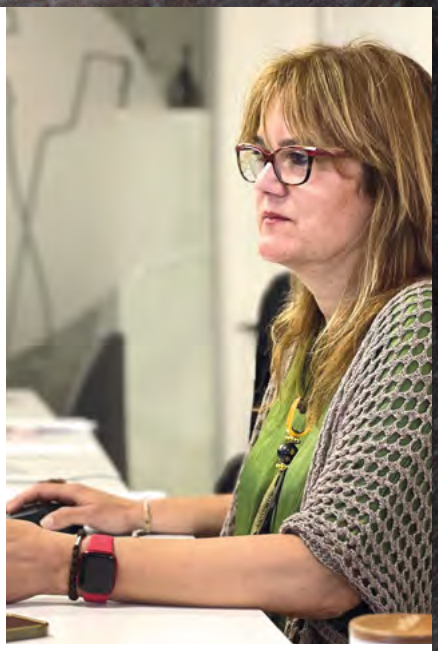
Spain, Montblanc site
28 years at Verallia

A STORY ABOUT FOUNDATIONS

In 1996, Gloria joined the construction project for the future Vidriería de Montblanc plant as Secretary to the site manager.
It was the first stage in an impressive personal and professional journey, built step by step.

She held a number of positions: personal assistant, administrative assistant, environmental project manager, etc. before joining the sales department, where she works today. She began with small local clients and now manages key accounts in the water and beer sectors.

Her story is above all a human adventure. Gloria has seen the factory and its teams grow, and over the years they have become a real community – her second family.



With her colleagues, she has experienced everything, sharing in their news of weddings, births, retirements and bereavements.

"The Montblanc factory feels like my own - the one I saw being created, develop and grow. And, above all it helped me grow too."

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REDUCE

THE ENVIRONMENTAL IMPACT OF GLASS

COMMITTED AND DETERMINED

Reducing our environmental impact is not a promise, it's a trajectory.
We have decided to act without delay.

Decarbonisation, energy transition, water efficiency, preserving natural resources...
On all these fronts, our sites are mobilised, our technologies are evolving and our teams are taking action. This translates into next-generation furnaces, intensified efforts to reduce water consumption, the use of cleaner energy sources, and continuous attention to air quality, waste management, and land preservation.

SCIENCE BASED TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

BUSINESS AMBITION FOR 1.5°C

Validation of our Net Zero 2040 objective by the SBTi.

CO_2

-46.2%
CO_2 emissions for **scopes 1 and 2** by 2030 and **Net Zero* by 2040**

-27.5%
CO_2 emissions for **scope 3** by 2030 and **Net Zero* by 2050**

100%
renewable or low-carbon electricity by 2040

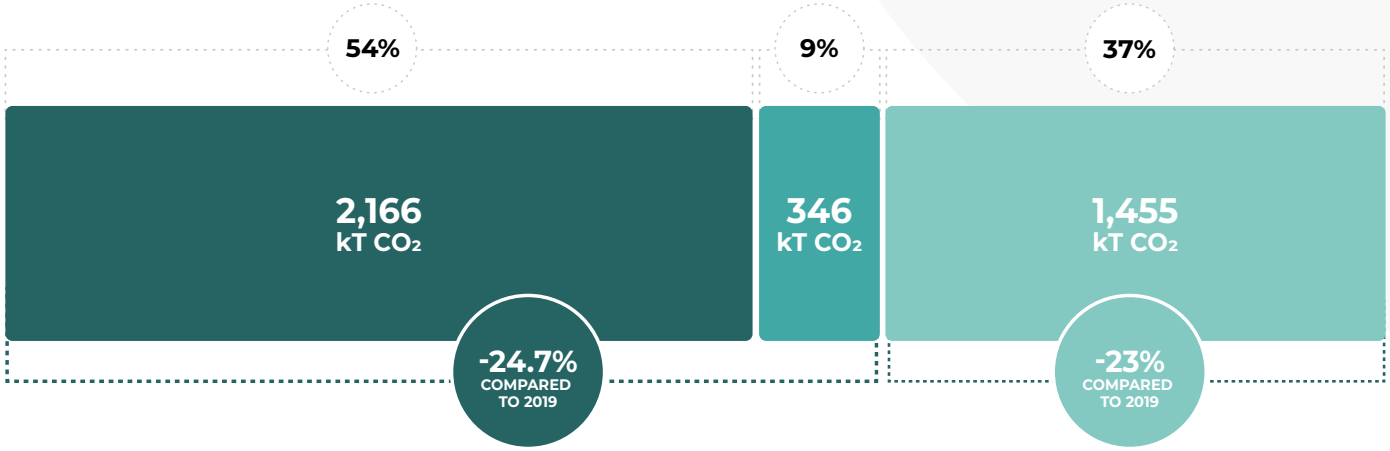
0.35 m³
of water per tonne of packed glass by 2030

*Validation of our Net Zero 2040 target by the SBTi. Net Zero corresponds to a 90% reduction in our CO_2 emissions and 10% offsetting, by 2040 for scopes 1 and 2 and by 2050 for scope 3 compared with the reference year 2019.

UNDERSTANDING OUR CO_2 EMISSIONS

We are taking action at every level to reduce our carbon footprint: addressing both direct emissions from production at our sites (scopes 1 and 2) and indirect emissions generated across our value chain (scope 3). A collective approach supported by both the Group and its suppliers.

OUR 2024 CARBON FOOTPRINT



SCOPE 1: *DIRECT EMISSIONS*

CO_2 emissions generated directly by the plant: carbonated raw materials and fossil fuels, including the natural gas needed for melting.

SCOPE 2: *INDIRECT ELECTRICITY EMISSIONS*

Emissions generated by the production of electricity consumed by the plant.

SCOPE 3: *OTHER INDIRECT EMISSIONS*

All other greenhouse gas emissions generated outside the factory, upstream and downstream of production, throughout product life cycles: extraction and transportation of raw materials, packaging, distribution, end of life, etc.

**Emissions from office buildings, decoration plants and cullet treatment centres are included in the values reported in 2024 for emissions for Scopes 1 and 2.*

SCOPES 1 AND 2

To reduce its CO_2 emissions for scopes 1 and 2, Verallia is focusing on three key levers:
- the first is to use low-carbon raw materials;
- the second aims to improve the energy efficiency of sites through electrification;
- the third concerns the use of renewable or low-carbon energies.

ACCELERATING THE USE OF LOW-CARBON RAW MATERIALS

The use of cullet in production reduces the need for natural raw materials such as sand, and synthetic raw materials such as sodium carbonate.

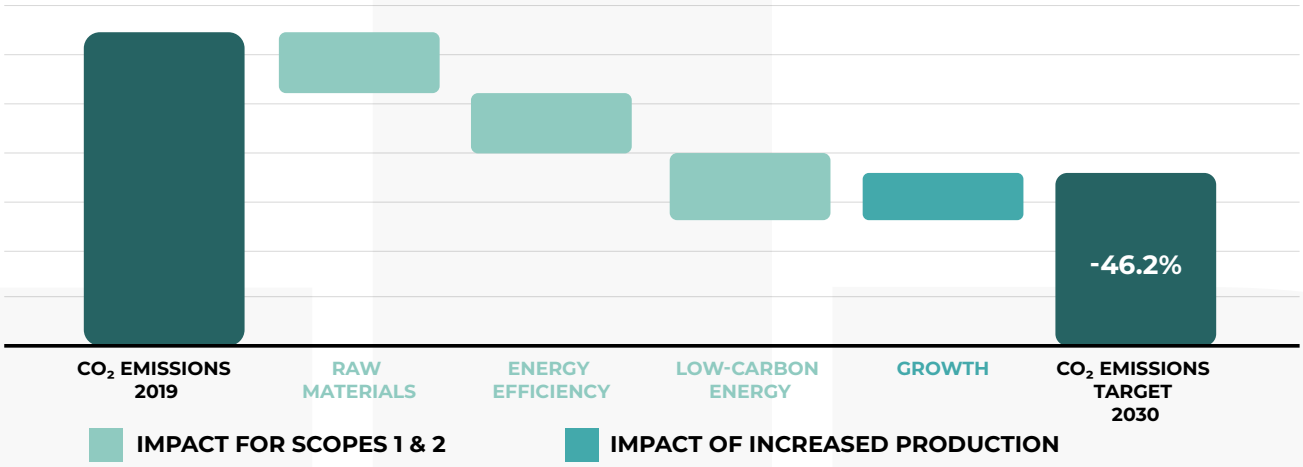
It also helps reduce CO_2 emissions, both by reducing the energy required for melting and by limiting the use of carbonate materials, whose chemical decomposition releases CO_2.

Verallia's R&D teams are also working to identify low-carbon sources of calcium and sodium that are compatible with the operating conditions of glass furnaces.

A HUGE SHIFT TO ELECTRIC FURNACES TO REDUCE CARBON EMITTED BY MELTING

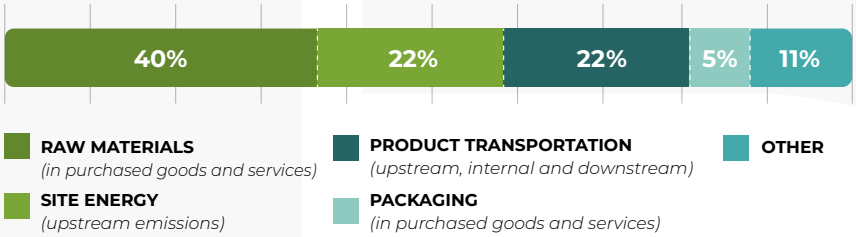
Glass melting alone accounts for 73% of the energy consumed at the Group's sites, and generates 79% of its emissions for scopes 1 and 2. To address this major challenge, Verallia is accelerating the roll-out of low-carbon furnaces. We are the first glass packaging manufacturer to have commissioned a 100% electric furnace. At the same time, we are developing hybrid furnaces capable of combining different technologies to meet specific local requirements (see p. 26).

OUR CO_2 REDUCTION PLAN



SCOPE 3

Verallia works with its suppliers to reduce scope 3 emissions. Action plans are targeting the main emission sources:



- raw materials, by switching to local sourcing, alternative transportation and sharing the decarbonisation roadmap with the highest-emitting suppliers;
- energy, giving priority to low-carbon sources;
- transport, by reducing distances, using biofuels or GPL, and developing multi-modal transport routes;
- packaging, by developing eco-design, and the reuse and recycling of pallets, plastic dividers and film.

THE FUTURE OF MELTING IS BEING INVENTED IN COGNAC

In March 2024, we commissioned the very first 100% electric furnace dedicated to the production of food-grade glass packaging at our Cognac site in France.
A world first! And a major technological step forward for melting, reducing CO_2 emissions by 60% compared with a traditional furnace.

A WORLD FIRST FOR THE GLASS INDUSTRY

The result of a strategic partnership with Fives, an international engineering group founded in France, the 100% electric furnace in Cognac marks a decisive step in the transition of Verallia's industrial equipment. It also represents a major step forward for the industry as a whole, enabling a significant reduction in CO_2 emissions caused by the production of flint and extra-flint glass.

The furnace uses Prium® E-Melt cold-top technology, cutting-edge in the field of electric melting.

With a capacity of 180 metric tonnes per day, it is the world's largest all-electric furnace dedicated to food-grade glass packaging. Powered by locally available low-carbon electricity, it produces white glass bottles for the major cognac houses. This technology raises the international profile of French expertise, while strengthening the competitiveness of an age-old industry firmly established in the Charente region. This pilot furnace paves the way for the gradual roll-out of the technology to other Group sites.

THE 100% ELECTRIC FURNACE IN COGNAC:

57 M€
investment

180 tonnes
of glass per day, or 300,000 bottles

-60%
CO_2 emissions compared to a traditional furnace

ONE YEAR ON: A FURNACE THAT KEEPS ITS PROMISES

In March 2024, the 100% electric furnace in Cognac was successfully commissioned. The journey from early challenges to first successes has been a testament to collective effort and innovation.
Just a year after the start-up, Constance Dumon, who was Glass Production Incubator Engineer at the time and is now Production Engineer, reflects on the key milestones of this transformative project.

THE START-UP PHASE

We first had to say goodbye to the old furnace. It was quite difficult – a bit like ending a relationship. It was emotional for the teams. We launched the new furnace as soon as demolition began. The key moment? The lighting ceremony: we use the flame from the old oven to light the new one. It's a symbolic gesture, like handing over the baton, and it left its mark on the teams. Once up and running, the visual difference is striking.
The new electric furnace, all white and bright, makes a big difference. It felt like breathing new life into the site.

A FEW MONTHS AFTER START-UP

All the teams put in a huge amount of work. Even after many tests, a launch is never 100% reliable. There are always adjustments to be made, things that you discover in real-life situations. The technical centre was there to support us, but it was the teams on the ground who dealt with the problems in real time.

AN INITIAL ASSESSMENT

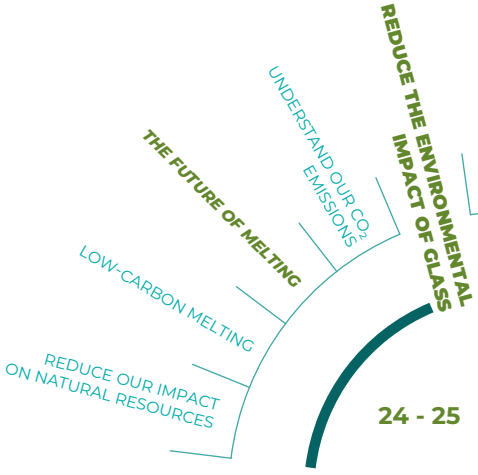
The furnace is working [laughs]. The teams are comfortable, they are autonomous. Customers are satisfied with the first productions, and several have exclusively recommended decarbonised production from the 100% electric furnace. It's a real source of pride. All our efforts have paid off. It's perhaps the best recognition of all.

AND TOMORROW?

We can already see what could be improved: capacity, longevity, cullet rate -today we're at 50%. It's still a first. When I think back to the early days of end-fired furnaces and what they've become, we can imagine great things for the future. To finish, I would say that this project has, at different levels, enabled the integration of a huge number of employees. There was real cohesion, both on site and in the project team. And that, I think, really contributed to its success.

Constance Dumon
Production Engineer

"It's still a first. When I think back to the early days of end-fired furnaces and what they've become, we can imagine great things for the future."



LOW-CARBON MELTING, STEP BY STEP

Glass melting accounts for the majority of the Group's direct emissions. Verallia is using two complementary levers to reduce its carbon footprint: the gradual electrification of its furnaces and the optimisation of its energy mix by increasing the proportion of low-carbon energies.

A NEW GENERATION OF GLASS FURNACES

TRADITIONAL SUPER-BOOSTED FURNACES

25 % electricity

This technology increases the share of electricity from 7% to around 25%, reducing natural gas consumption and CO_2 emissions.

➔ *Already in place at the Verallia site in Chalon-sur-Saône (France), it will be the priority choice when rebuilding furnaces between now and 2027.*

HYBRID FURNACES

70% electricity

Running on 70% renewable or low-carbon electricity and 30% gas, these furnaces can reduce CO_2 emissions by 50%. There is no limit to how much cullet can be used, so it can be adapted to suit all glass colours.

➔ *First furnace to be commissioned in Zaragoza (Spain) at the end of 2025; a second is planned for Saint-Romain-le-Puy (France) in 2026, before gradual roll-out from 2028.*

OXY-FUEL FURNACES

25 % electricity

Oxygen is injected into the furnace to optimise combustion, reducing energy consumption and scope 1 CO_2 emissions by a further 10%. In addition, electric heating accounts for 25% of the energy used in the furnace.

➔ *This technology combined with super-boosted furnaces is being rolled out this year at Campo Bom (Brazil) and Pescia (Italy).*

100% ELECTRIC FURNACES

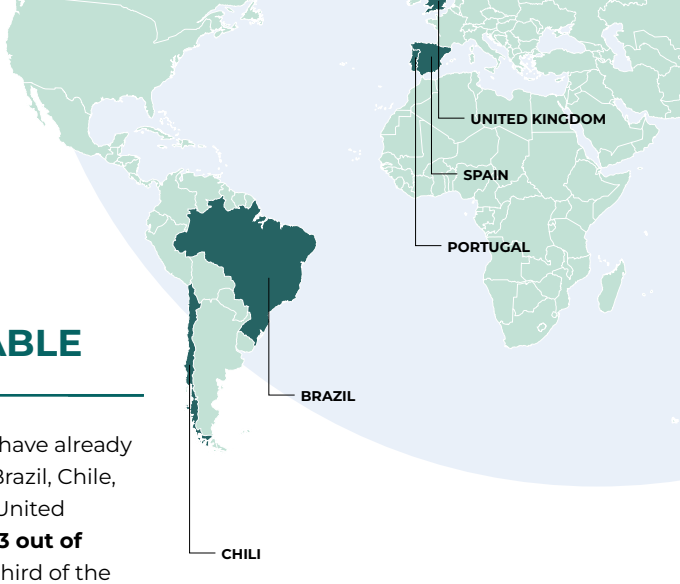
100 % electricity

Running exclusively on renewable or low-carbon electricity, it can reduce CO_2 emissions by 60% compared to a traditional furnace.
Its cold top design means it cannot produce coloured glass. It is used for white and extra-white glass.

➔ *The first 100% electric furnace has been up and running in Cognac (France) since March 2024.*

RENEWABLE ELECTRICITY PRODUCED ON-SITE

To strengthen their energy self-sufficiency and reduce their carbon footprint, several Verallia subsidiaries have signed agreements with partners to install solar panels on their production sites. In 2024, new sites –including Villa Poma and Lonigo in Italy, and Burgos and Vicsa in Spain –began generating renewable electricity. These installations now cover between 5% and 25% of the current electricity needs of the respective sites..



100% RENEWABLE ELECTRICITY

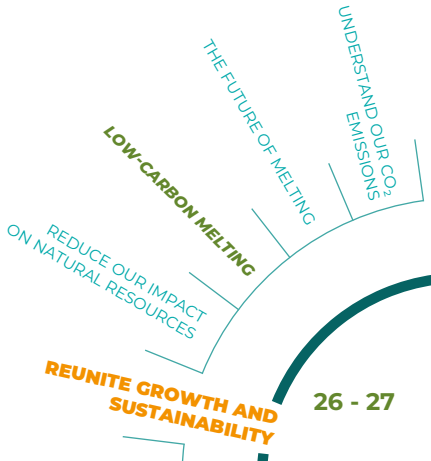
Five of our subsidiaries have already reached this milestone: Brazil, Chile, Spain, Portugal and the United Kingdom, representing **13 out of 35 sites**, or more than a third of the Group's plants.

THE RIGHT MIX FOR A SUCCESSFUL TRANSITION

Increasing the proportion of renewable electricity
In 2020, Verallia set itself the target of achieving **60% renewable or low-carbon electricity** in its overall electricity mix by 2025.
With 64% achieved by 2024, this target has already been exceeded.
This success is based in particular on the signing of long-term purchasing contracts, guaranteeing a stable and sustainable supply. In Germany and Italy, for example, partnerships with local energy companies –RWE and Edison Energia –have secured certified renewable electricity for several of our sites over a ten-year period. **By 2040, the Group is aiming for 100% renewable or low-carbon electricity**, at a time when electricity demand will have quadrupled.

Biofuels to replace natural gas
Verallia is looking to replace natural gas, the main source of CO_2 emissions from its furnaces, with biofuels to reduce its scope 1 carbon footprint.
Two of our sites, Zaragoza (Spain) and Vauxrot (France), are already using them. The roll-out of these solutions depends on local access to biofuels – a challenge we are taking up with our partners.
At our Cognac site (France), we launched a pilot syngas production project with Charwood Energy in 2025. It will produce a green gas generated using biomass pyrogasification to fuel one of our furnaces.

Hydrogen: a promising alternative to natural gas
Following initial conclusive trials in Zaragoza (Spain) in 2023, a major industrial project was launched in Essen (Germany) in November 2024. It involves supplying the site's two furnaces with a gas containing 60% hydrogen.
Verallia is a pioneer in the glass industry, exploring the use of hydrogen in an industrial, sustainable and economically viable way. This industrial-scale trial has reduced emissions at the Essen site by 10%. This experience will help us quickly integrate green hydrogen at sites where this energy is available.



REDUCE OUR IMPACT ON NATURAL RESOURCES

At all our sites, every natural resource is carefully managed -starting with water, which is essential to our operations. Every day, our teams work hard to minimise our environmental impact on all aspects: air, land and waste.

WATER: AN ESSENTIAL RESOURCE

Water is a vital resource for glass production, mainly used for cooling glass and equipment. Verallia continues to optimise consumption across all its sites, balancing industrial performance with water environmental.
Most plants already operate in semi-closed systems: the water is treated, recycled and then reused for production and cooling, reducing the withdrawals and losses. To support this effort, Verallia has launched a dedicated initiative in each plant: "Water Cards".

Twice a year, each site uses its "Water Card" to assess water consumption against set targets and, more importantly, to plan and structure concrete actions and future investments. Through this initiative, Verallia applies the principles of anticipatory management, already proven effective in controlling CO_2 emissions, to water stewardship.

At the same time, several sites have replaced their cooling towers with adiabatic towers to reduce water consumption. Unlike conventional systems that can cause evaporation losses, this adiabatic equipment cools the water using ambient air, without any losses.

These towers can reduce a plant's water consumption by 40-50%. Verallia has chosen to schedule its investments over the long term; each furnace replacement technology is now associated with an adiabatic cooler.

INCREASING OUR EFFORTS IN WATER-STRESSED AREAS

In 2024, nine of our 35 plants will be located in areas at risk of water stress, meaning demand for water permanently exceeds available resources.
There will be ten plants by 2030. All have already set a reduction target that is more ambitious than the one defined at Group level.
Their target: 0.25 m^3 of water used per tonne of glass packaged by 2030 (compared with 0.35 m^3/tpg for the others).

CHANGES IN OUR WATER CONSUMPTION

OIRY: AN EXEMPLARY SITE FOR WATER MANAGEMENT

In Oiry (France), Franck Blondelle, Plant Manager, and Vincent Biesmans, Head of Maintenance and Energy & CO_2 Projects, are driving powerful environmental ambitions.

Vincent Biesmans
Head of Maintenance and Energy & CO_2 Projects

Franck Blondelle
Plant Manager

Located in the very heart of the Champagne region's vineyards, the plant is recognised for its expertise in making bottles for the major Champagne houses.

The Oiry site also stands out for its low water consumption. *"Six years ago, we were using 140,000 m³ a year. Today, we use under 14,000 m³, ten times less,"* explains Franck Blondelle. *"And we're aiming for even less: zero consumption, with rainwater recovery from 2025."*

This trajectory has been built over time. The plant has gradually developed real expertise, combining three levers: switching to a closed circuit, high-efficiency equipment and tight control of consumption.

"Before, we had systems with evaporation losses. With the adiabatic towers, those losses have been eliminated. Most importantly, we have also implemented real network management: monitoring, understanding, correcting," adds Vincent Biesmans.

Today, Oiry has become a benchmark site within the Group. *"We are often asked to share what we have put in place and to give other teams a tour. And that's a real pleasure,"* Franck continues. And the ambitions are ongoing: *"14 of the Group's furnaces will be equipped with the same technology. What we've started here, others will continue.*

Apart from a few details, we'll all end up with the same result. Oiry is just the starting point."

"NATURE ON SITE": COMPETITION RESULTS VISIBLE IN THE FIELD

Organised by the Group, this competition rewards projects based around nature, designed by plant employees, which combine environmental benefits and sustainable social impacts.

13 projects
rewarded since 2019

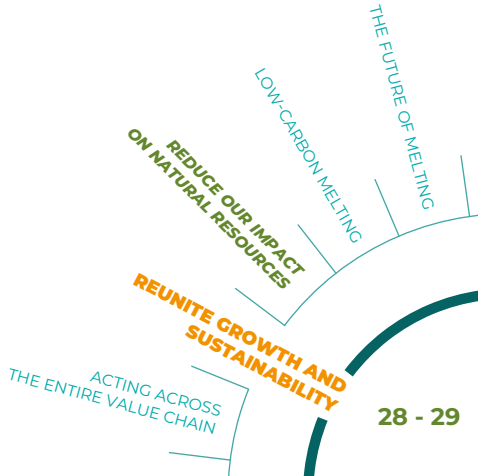
9 countries
involved to date in these local initiatives

TAKING CONCRETE ACTION ON AIR AND WASTE

Every site is working hard to reduce its impact on the air, land and resources, combining rigorous environmental management, team mobilisation and local initiatives. Air quality is closely monitored, particularly SOx and NOx emissions from the furnaces. In 2024, only four threshold overruns were recorded, all of which were minor and immediately dealt with.

Waste management at Verallia pursues a dual objective: reducing waste generation and maximising recovery. In 2024, 58% of the 242,176 tonnes of waste generated were recycled. To strengthen this momentum, Verallia conducts "Environmental Gemba Tours" at its sites, engaging teams, mapping waste flows, raising awareness, and identifying actionable levers for improvement.

In the UK, a project launched at the end of 2023 aimed to reduce waste-related costs by 30% in 12 months. Waste mapping plays a central role, visually representing the journey of waste from its point of origin to the recycling areas. Both operational and educational, this tool strengthens the commitment of teams and encourages more effective and responsible management.



CSR REPORT
2024 / 2025

REUNITE
GROWTH AND SUSTAINBILITY

CREATING VALUE DIFFERENTLY

In the Group, growth and sustainability go hand in hand. Reducing the weight of our packaging, reducing our carbon footprint, using more recycled glass and rethinking our products from the design stage: these are all concrete actions that reflect a profound change in our business model. We are driving this transition with our entire value chain -starting with our increasingly committed customers -and creating virtuous ecosystems throughout the glass industry.

-6%
weight for standard non-returnable bottles and jars between 2019 and 2030

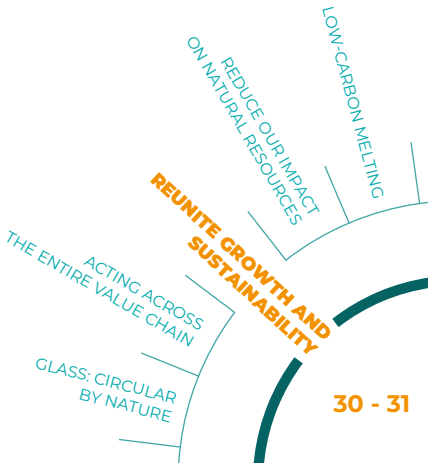
100%
key segments covered by the AIR range by 2030

≈60%
of external cullet used on average in our products by 2030

CSR AS A LEVER FOR GROWTH

Because our Corporate Social Responsibility initiatives set us apart, we train our sales and marketing teams to talk about them with confidence, clarity and in-depth knowledge. The aim is to highlight our commitments and make sustainability both a competitive advantage and a real driver for creating value. This upskilling strengthens the involvement of our teams and fully aligns our commercial positioning with our CSR actions.

100%
of sales teams trained by 2025



ACTING ACROSS THE ENTIRE VALUE CHAIN

With our customers, suppliers, industrial partners, start-ups, reuse channels and collective initiatives, we are working hard to develop sustainable, practical solutions that can be applied on a large scale. At every stage in the value chain, cooperation makes the difference.

CITEO: A USER GUIDE FOR REUSE

Since 2020, Citeo has made reuse a cornerstone of its strategy. Alongside food brands and packaging players including Verallia, the eco-organisation is working hard to create structure on a national level. We spoke to Jean Hornain, Chief Executive Officer of Citeo.

HOW CAN REUSE BECOME THE NORM?

The first to be affected are the food brands, who have to rethink their entire value chain. Using reusable, standardised packaging means changing production lines, rethinking logistics and building shared collection systems between different shops and brands.

It's a real transition because for thirty years, the whole chain — from production to recycling — has been organised around single-use packaging, and successfully so.

On the subject of reuse, I see three key requirements for success: massively increase volumes to build up a competitive offer, guarantee irreproachable sanitary conditions and make it economical and attractive to consumers.

WHAT ROLE DO PACKAGING MANUFACTURERS LIKE VERALLIA PLAY?

Verallia realised that the reuse of glass packaging was going to be the order of the day, that it was the only future and that it could be turned into an opportunity.

The R-Cœur bottle designed by Citeo is a concrete illustration of this: a standardised 750 ml reusable beer bottle manufactured by Verallia at its Vauxrot plant, and already used by several brands and brewers.

We are currently testing R-Cœur packaging as part of the "ReUse" scheme, which has been launched in four regions with the aim of making reuse part of everyday life in France. It involves 750 shops, 50 brands and potentially 16 million consumers.

AND WHAT ABOUT RECYCLING?

We must not forget recycling and its key role in the circular economy. We will continue to recycle, including reusable glass packaging after +/- 20 uses. It's all about tackling the 3Rs head on -Reduce, Reuse and Recycle. Never give up, that's the key!

"It's all about tackling the 3Rs head on - Reduce, Reuse and Recycle. Never give up, that's the key!"

Jean Hornain
Chief Executive Officer
Citeo

BEING A STRONG LINK IN OUR ECOSYSTEM

TRAINING OUR CUSTOMERS AND PARTNERS IN THE LIFE CYCLE OF GLASS

Since 2016, "Glass Schools" specially designed for our customers and partners have been developed to share our expertise in immersive programmes.

The goal: explore the entire life cycle of glass, from manufacture to reuse.

Three modules are available:

- an immersive experience at the plant to discover the glassmaking process;
- a visit to a cullet treatment centre to understand the challenges of the circular economy;
- new for 2024: a session at Bout' à Bout', a Nantes-based start-up specialising in glass reuse and supported by Verallia since 2023.

CO-DEVELOPING SOLUTIONS FOR REUSE IN THE WINE INDUSTRY

Spearheaded by the Spanish Wine Federation, the "#REBO2VINO" project analyses the feasibility and impact of a reuse system in the local wine industry. The project is aimed at the hospitality sector and has received €564,000 in financial support from the European Union.

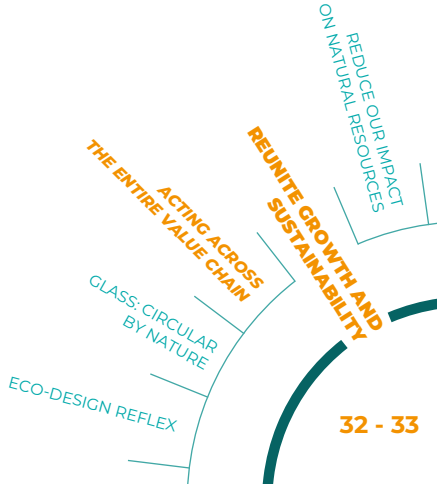
Verallia is making its contribution by manufacturing a standard wine bottle designed to fit a large-scale reuse system.
The Group is also participating in the environmental analysis of this new reuse system.

RAISING AWARENESS ABOUT THE CHALLENGES OF GLASS WITH YOUTH

In Latin America, we are carrying out a number of initiatives to share our passion for glass with young generations and educate them on the challenges of the circular economy. In Chile, the "Verallia Connect" programme raises awareness in schools through interactive and fun workshops.
In Argentina, employees on the "Verallia Volunteering" programme welcome children into our production sites, offering them a behind-the-scenes look at the glass lifecycle, from manufacture to processing.

SUPPLIERS WHO SHARE OUR COMMITMENTS

Every new supplier undertakes to respect our Responsible Purchasing Charter, which outlines clear principles: respect for the right to development, protection of employee rights, health and safety, environmental commitment and compliance with the law. We will continue to engage and mobilise our suppliers with the aim of maintaining at least 90% adherence to our Responsible Purchasing Charter by 2030.



GLASS: A NATURALLY CIRCULAR ECONOMY

100% infinitely recyclable with no loss of quality, glass is a model material in terms of circularity. By focusing on its reuse and recycling, we are ensuring its long-term place in the circular economy.

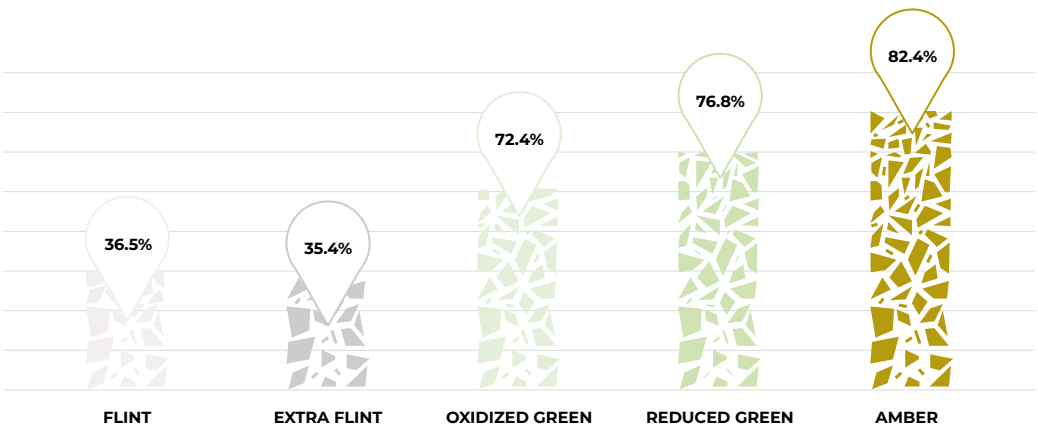
THE RIGHT CULLET IN THE RIGHT PLACE

Collecting glass is essential, but so is sorting it correctly. To produce high quality white glass, the white cullet must be separated at the point of collection. In many countries, however, recycling bins mix all glass colours together, which makes targeted recycling more difficult. To address this challenge, Verallia is investing in state-of-the-art optical sorting equipment and technologies capable of identifying and separating the white cullet, which in turn increases its integration rate in new white glass production.

Completed in 2023, the modernisation of our Everglass cullet treatment centre in Rozet-Saint-Albin (France) has significantly improved sorting quality.

CULLET IN PRODUCTION

Percentage of Group external cullet integration by colour:



56.4%

in our production in 2024: +7 points vs 2019 (49%)

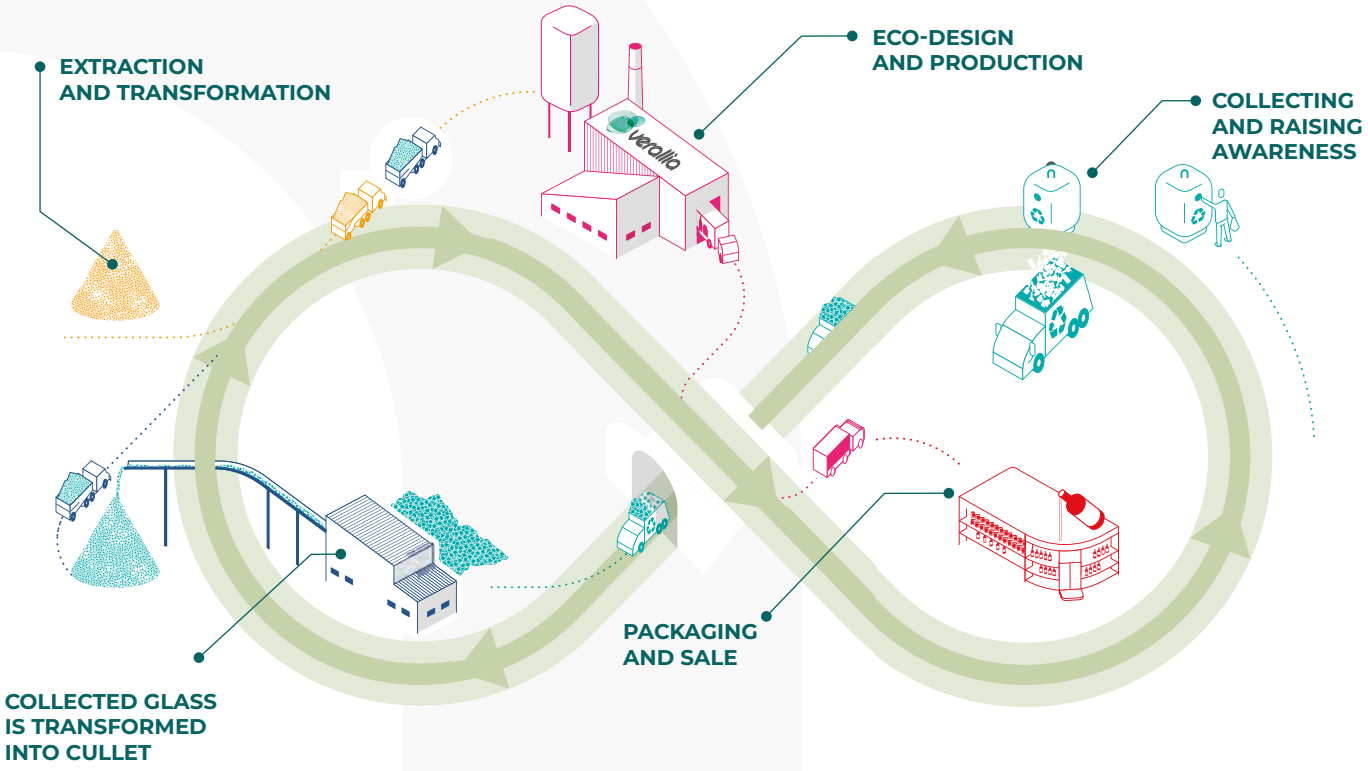
TARGET 2025

59%

TARGET 2030

≈60%

OUR BUSINESS MODEL: AT THE HEART OF THE CIRCULAR ECONOMY



BRAZIL: COMMITMENT ON THE GROUND

In some countries, there is still considerable room for improvement in glass collection. In Brazil, only 30.3% of glass containers are recycled, according to the Abividro charity. The rest -almost 70% -ends up in landfill.
Verallia has been taking concrete steps to change the situation. 825 recycling bins have been installed, enabling 5,000 tonnes of glass to be collected in 2024. And this is just the beginning: more than 1,080 additional bins will be installed by the end of 2025.

A BOTTLE THAT IS 100% CULLET

It is possible to produce a 100% recycled glass bottle. We did it in the UK in early 2025 thanks to exceptional local availability of white cullet and limited production using the Group's smallest furnace.

An inspiring example, though based on a unique local ecosystem. It opens the way to complete circularity.

HENNESSY AND VEOLIA: THE VIRTUOUS CIRCLE

Verallia, Hennessy (LVMH Group) -the world's leading cognac producer -and Veolia have joined forces to recycle, recover and reuse glass waste from bottling spirits.
In Châteaubernard (France), Veolia transports extra-white glass waste from the Hennessy production units to our Everglass treatment centre, just a few kilometres away. We process them into cullet, before reintegrating them into our glass furnaces. A demonstration of circular and local partnerships.

ECO-DESIGN: A REFLEX

At Verallia, eco-design starts with making the right choices from the very beginning: during project design. We create packaging that incorporates more cullet, is lighter or is designed for reuse, all with the goal of minimising its carbon footprint throughout its entire life cycle.

THE 3RS: REDUCE, REUSE, RECYCLE

REDUCE

Nearly 700 projects to reduce the weight of jars and bottles have been undertaken as part of our international programme "Project Alpha", to reduce the weight of the non-reusable standard range. As a result, the average weight of our range fell by 2.5% between 2019 and 2024. We are also reducing our logistics footprint with improved palletising to maximise delivery lorry loads.

REUSE

Glass is ideal for reuse, and we already offer 180 reusable products in our various markets. We also support the development of reuse channels through concrete actions: forums for exchanging best practices like Re-Use Labs, and pilot projects carried out with local players like Bout' à Bout' in France or the "#REBO2VINO" project in Spain, for example.

RECYCLE

Our ambition is to increase both the quantity and quality of cullet used. This starts with better collection, supported by awareness-raising campaigns run alongside our partners. We are also working to maximise cullet integration into our production processes, using the colours most compatible with recycling and working upstream with our customers to avoid the introduction of troublesome elements into products.

LIGHTNESS DRIVING TRANSITION

REVOLUTION IS IN THE AIR

In 2023, Verallia launched the Bordelaise Air 300G, a lighter version of the classic Bordeaux bottle. In 2024, the range was extended to include seven ultra-light food jars with an improved design and a versatile "My Air" design, for both alcoholic and non-alcoholic beverages in single servings.

The result: up to 33% less weight than traditional models and the same amount of CO_2 avoided for the food industry.

A RECORD IN SPAIN

We developed the lightest bottle of Cava on the market at just 775 grams, 125 grams lighter than the traditional bottle. Combining quality and solidity, it is just as resistant to the pressure of sparkling wines, with 14% less CO_2 emissions.

CO_2 SAVINGS: THE RIGHT CALCULATION

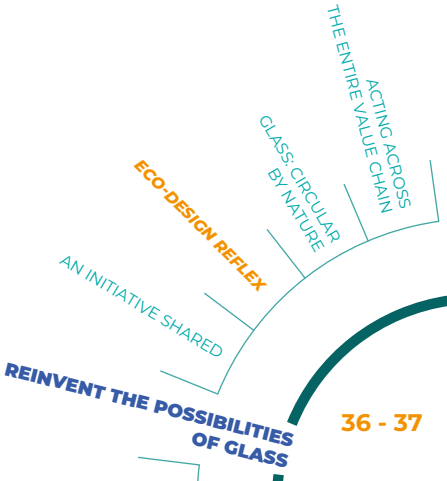
To support our customers in making informed decisions, we have developed an exclusive modelling tool. This tool allows them to compare the CO_2 emissions of their bottles across different eco-design scenario by adjusting parameters such as weight and colour of the packaging. It calculates the emissions avoided for scopes 1 and 2 based on the quantities involved.

The results are presented in an educational format, translated into tangible equivalents (for example, air travel).

DID YOU KNOW?

When we reduce our direct emissions (scopes 1 and 2) or lighten the weight of our bottles, we contribute directly to reducing our customers' scope 3 emissions.

TO PUT IT SIMPLY:
OUR SCOPE 1 AND 2 = THEIR SCOPE 3.



AN APPROACH SHARED WITH OUR CUSTOMERS AND PARTNERS

Cooperation with our customers and partners — start-ups, manufacturers, local authorities, etc. - enables us to develop practical, reproducible solutions that will accelerate the industry's transition towards increasingly sustainable glass processes and packaging.

PUGET: EVEN GREENER GLASS

We have a long-standing partnership with PUGET with whom we develop innovative and sustainable packaging solutions. That's how we came up with the idea of a glass bottle in an autumn leaf colour.

This shade provides extra protection against UV rays to preserve the quality and freshness of the olive oil for longer. It also makes it possible to incorporate 86% recycled glass, marking a significant step forward in terms of the circular economy and reducing environmental impact.

CHAMPAGNE TELMONT: A COLOURFUL COLLABORATION

Verallia has developed the lightest bottle of champagne on the market at 800 grams, successfully tested and first marketed in 2022 by Champagne Telmont (Rémy Cointreau). This new bottle weighs 35 grams less than the market standard, an important advantage when you consider that the bottle accounts for almost 30% of a Champagne house's carbon footprint.

Together, we decided to switch from white to green glass, which means it contains up to 87% of external cullet. We also used the "193,000 colours of green" glass produced during the colour transition phases in our furnaces, the hue changing from deep green to cinnamon. This approach helped reduce the energy consumption associated with re-melting glass that was previously considered non-compliant. This eco-design extends right down to the bottle decoration: Telmont has removed superfluous packaging elements and opted for understated, distinctive labels.

THE PILOT GLASS REUSE PROJECT ALONGSIDE

Bout'à Bout'

(France)

To better understand and support the growth of the reuse sector, Verallia has teamed up with Nantes-based start-up Bout' à Bout', founded in 2016. Nicolas Le Feuvre, Director of Recycled Glass in France at Verallia and a member of the Board of Directors of Bout' à Bout', tells us all about it.

WHY DID YOU CHOOSE A START-UP LIKE BOUT' À BOUT'?

Reuse today is first and foremost a matter of local and militant action. We chose Bout'à Bout because they have been pioneers in reuse in the Pays de Loire region since 2016, and their model was already well advanced at local level in terms of their ability to manage the entire reuse cycle, from the collection of glass packaging to washing and redistribution.

HOW DO YOU SUPPORT THEM?

We help them in a number of ways. We provided them with funding and support in three key areas: knowledge of the market, managing an industrial site and the quality of the glass. In concrete terms, this meant that we were able to provide highly practical advice when the plant was starting up, such as quality control for each item, palletising as well as storage and transportation to customers, for example. They faced many questions, all of which we were able to answer thanks to our expertise in industrial excellence.

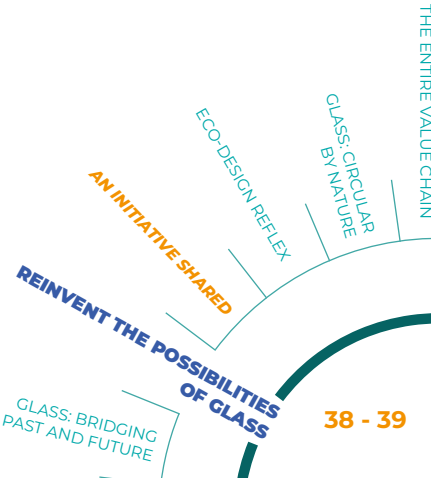
WHAT DOES THIS PARTNERSHIP OFFER YOU?

Reuse presents major challenges in terms of the economic model. Bout' à Bout', which has invested in the largest bottle-washing facility in France, gives us a unique perspective to better understand the players and channels involved. This partnership sheds light on how washed reusable bottles behave on a large scale, enriching our future development of reusable packaging. To replicate and grow this model in the future, we need to understand it. To achieve this, Bout' à Bout', is the ideal partner, in the right place at the right time.

Nicolas Le Feuvre
Director of Recycled Glass in France

R-CŒUR: ACCELERATING REUSE

Choosing reuse over single-use can reduce the carbon footprint of packaging by up to 75% over its entire life cycle. To make it widely available, with Citeo we are developing the R-Cœur 750 ml beer bottle, a reusable glass bottle designed to be used by several brands. Tested in four regions in north-west France, this bottle is part of a structured deposit system. Its "Reusable" marking encourages consumers to return it, while standardisation means that collection, washing and re-circulation can be shared, while reducing transportation distances.



CSR REPORT
2024 / 2025

REINVENT

THE POSSIBILITIES OF GLASS

GLASS CAN STILL SURPRISE YOU

From prehistoric obsidian to today's recyclable packaging, glass has survived the centuries thanks to a number of enduring qualities, including its ability to renew and adapt.
What about tomorrow? What does the future of glass look like? Does it still have a few revolutions ahead of it? We invite you to rediscover this unique material by exploring both its rich past and its promising future.

WHAT IF, TOMORROW...

...Glass packaging became the norm (again).

...The same bottle was used hundreds of times before being recycled.

...Glass packaging production did not emit CO_2

...Glass was the logical and responsible alternative to single-use.

GLASS: GLINTS OF YESTERDAY AND REFLECTIONS OF TOMORROW

Glass has been part of our everyday lives for 100,000 years. A long-standing companion, handed down from generation to generation, glass has stood the test of time without ever losing its meaning or function.

100,000 years BCE

Originally, glass was used in its natural form, obsidian, a shiny black volcanic rock, to make tools, weapons and jewellery.

3,000 years BCE

Glass was first manufactured in the Middle East.

400 years BCE

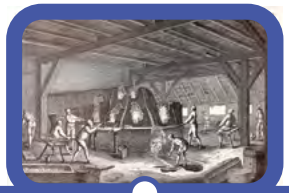
Glass has been "recycled" since Antiquity and the Middle Ages. Broken glass was collected and used as a form of payment.

100 years BCE

A major turning point: the invention of the glass blowing technique in what is now Syria and Lebanon, producing hollow glass.

19th century

The deposit system is invented in England for glass bottles.

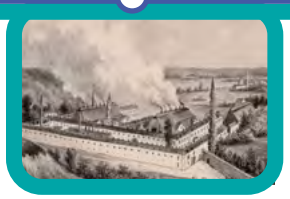


≈1500

During the Renaissance period, the modern bottle was born.

1665

Creation of the Manufacture Royale des Glaces in the village of Saint-Gobain, which gave its name to the industrial group.



1827

The glassmaking plant at Vauxrot (France) is founded. It joined Saint-Gobain in 1918.

TOMORROW, GLASS

In laboratories and factories, glass is reinventing its possibilities and entering a new phase in its history, driven by innovation and eco-design. Interview with Marie-Astrid Gossé, Group Marketing Director, to explore the transformations already underway - and those yet to come.

Marie-Astrid Gossé
Group Marketing Director

WHAT MAKES GLASS SO UNIQUE?

Glass embodies a fascinating duality: it is both an ancestral material that has protected us for thousands of years and a modern, futuristic material that is constantly evolving.
Its exceptional ability to be part of the circular economy and the low-carbon transition makes it a strategic ally for today's environmental challenges. Intuitively perceived as healthy and reassuring, glass wins us over with its transparency, simplicity and obviousness while at the same time being at the cutting edge of innovation.

It's also a great place for creative expression.
Thanks to the sensory richness it offers, glass design opens up unique and infinite possibilities for differentiation. It enables brands to create unique, memorable and meaningful experiences.

HAS ECO-DESIGN UNDERGONE A REVOLUTION IN RECENT YEARS?

I'd call it an evolution rather than a revolution. In the end, a lot of things aren't necessarily revolutionary but, when put together, they help us bring about important, sometimes key, changes.
For certain ranges, we've pushed the limit in terms of weight reduction, and we've achieved record weights. With bottles that are extremely difficult to produce, requiring highly advanced skills and tools in terms of modelling and glass distribution.

"Glass offers real creative potential. You can really be extraordinarily different with glass design. The sensory nature of the material can be exploited in infinite ways."

"Eco-design has become an important factor in our relationships with customers. The challenge now is to adapt it to an increasingly varied and specific range of needs."

HOW CAN THIS DYNAMIC BECOME A NEW STANDARD FOR THE GLASS INDUSTRY?

We will continue to optimise our portfolio, looking at more and more segments and formats in the light of our new roadmap. Eco-design has become an important factor in our relationships with customers. The challenge now is to adapt it to an increasingly varied and specific range of needs. In conclusion, rather than spectacular breakthroughs, we need to extend and accelerate what already exists. We know how to do this and we have a plan for moving forward. The aim now is to implement it on a large scale, in as many geographical areas as possible.

verallia

2010
Birth of the Verallia brand within the Packaging branch of the Saint-Gobain group. Five years later, in 2015, it became an independent group.

2020
Verallia embraces its purpose: **"re-imagine glass for a sustainable future",** which guides and inspires all its actions.

2025
Verallia's commitment to a **Net Zero* 2040 trajectory is validated by the SBTi**

**Validation of the Net Zero 2040 CO_2 reduction trajectory by the SBTi. Net Zero corresponds to a 90% reduction and 10% offsetting by 2040 for scopes 1 and 2 and by 2050 for scope 3 compared with the reference year 2019.*

BEHIND THE SCENES OF GLASS

Glass has unique intrinsic properties that make it the ideal packaging for food and beverages. It offers many benefits, both for human health and the environment.

UNDERSTANDING THE GLASSMAKING PROCESS

The industrial manufacture of glass packaging follows a rigorous process, from the eco-design of products to the recycling of the main raw material: cullet.

1 ECO-DESIGN

To **minimise the environmental impact of our production**, we start each project with an eco-design procedure, collaborating with our customers to develop their own models.

2 MIXING RAW MATERIALS

We use:

- **2.5%** various constituents to colour the glass,
- **5%** limestone,
- **7%** soda ash,
- **29%** sand,
- **56.4%** external cullet.

3 MELTING

Our furnaces heat the mixture of solid raw materials to **1,550°C for around 24 hours** until the molten glass is completely blended and can flow through feeders to the forming machines where the glass moulds are located.

4 SHAPING

The glass is blown in **two stages** (in a blank mould then a finishing mould) **to achieve its final design**. Bottles and jars emerge from moulds at temperatures in excess of 500°C.

5 ANNEALING ARCH

The annealing arch eliminates internal stresses in the glass. This "tunnel oven" ensures that the **glass containers are perfectly solid**. At the end of the arch, the glass receives an anti-scratch treatment.

6 INSPECTION AND QUALITY CONTROL

Before the containers are sent out, we use state-of-the-art equipment to **closely inspect** seals and pressure resistance for sparkling beverage containers, as well as size, thickness and appearance.

7 PACKAGING AND SHIPPING

After inspection, the glass containers are **placed on pallets**, made primarily from reusable or recyclable materials. They are then **protected by a cover** (made from 20% recycled material) before being **moved to trucks** for delivery.

8 RECYCLING CULLET

Used glass is **collected, sorted, stripped** of impurities and **crushed** to become clean cullet, ready to be made into new glass packaging.
Verallia operates **19 cullet treatment centres** equipped with the latest optical sorting technologies (demixing).

A RESOURCEFUL MATERIAL!

THE HEALTHIEST AND MOST PROTECTIVE PACKAGING MATERIAL

Glass makes the ideal packaging for food and beverages. It is inert; it does not react with the substances it contains, keeping them pure and consumer-safe.
It also provides effective protection against contamination, while preserving the freshness, flavour and nutritional qualities of food and drink. Its transparency facilitates quality inspection.

ADDING VALUE TO PRODUCTS

Glass is associated with high quality and elegant, top-of-the-range products. Its transparency, colours and adaptability offer unlimited customisation possibilities.

THE REUSE CHAMPION

Glass packaging can be designed to be returned, washed and reused up to 50 times on an industrial scale.

100% AND INFINITELY RECYCLABLE

Glass is a permanent material that can be completely and infinitely recycled without any change in its properties. Glass packaging can be remelted to become new packaging, without any loss of quality. Using cullet reduces CO_2 emissions and preserves natural resources.

AN INCREASINGLY POSITIVE IMPACT

Glass consumes 70% less energy and emits 50% less CO_2 than it did 50 years ago. Glass bottles are 30% lighter today than they were 20 years ago*. New furnace technologies (100% electric and hybrid furnaces in particular) and research into low-carbon raw materials will further improve its environmental impact in the years to come.

Data from FEVE, available from the website https://feve.org/

OUR PRODUCTION ACTIVITES*

We are experts in the design, production and recycling of glass packaging. Our products are used by 10,000 customers worldwide, from local family producers to major international groups.

BRAZIL
3 glassmaking plants
1 decoration plant

ARGENTINA
1 glassmaking plant
1 cullet treatment centre

CHILE
1 glassmaking plant
1 cullet treatment centre

+16 billion bottles and jars produced per year

35 glassmaking plants

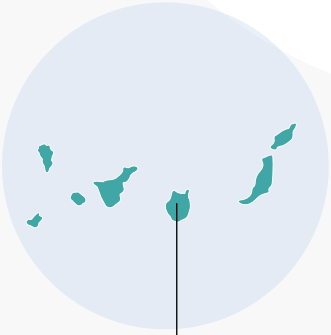
66 furnaces

6 decoration plants

19 cullet treatment centres

12 product development centres

nearly **11,000** employees in 12 countries

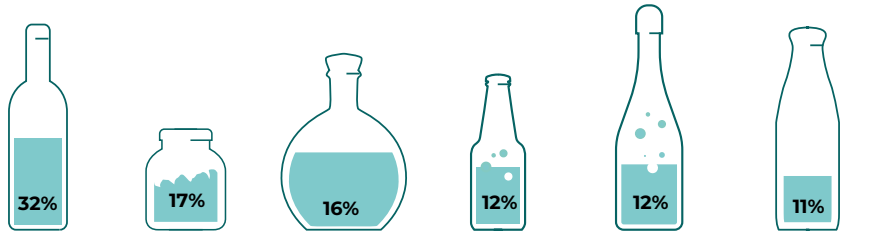


CANARY ISLANDS
1 joint-venture glassmaking plant
1 joint-venture cullet treatment centre
1 decoration plant

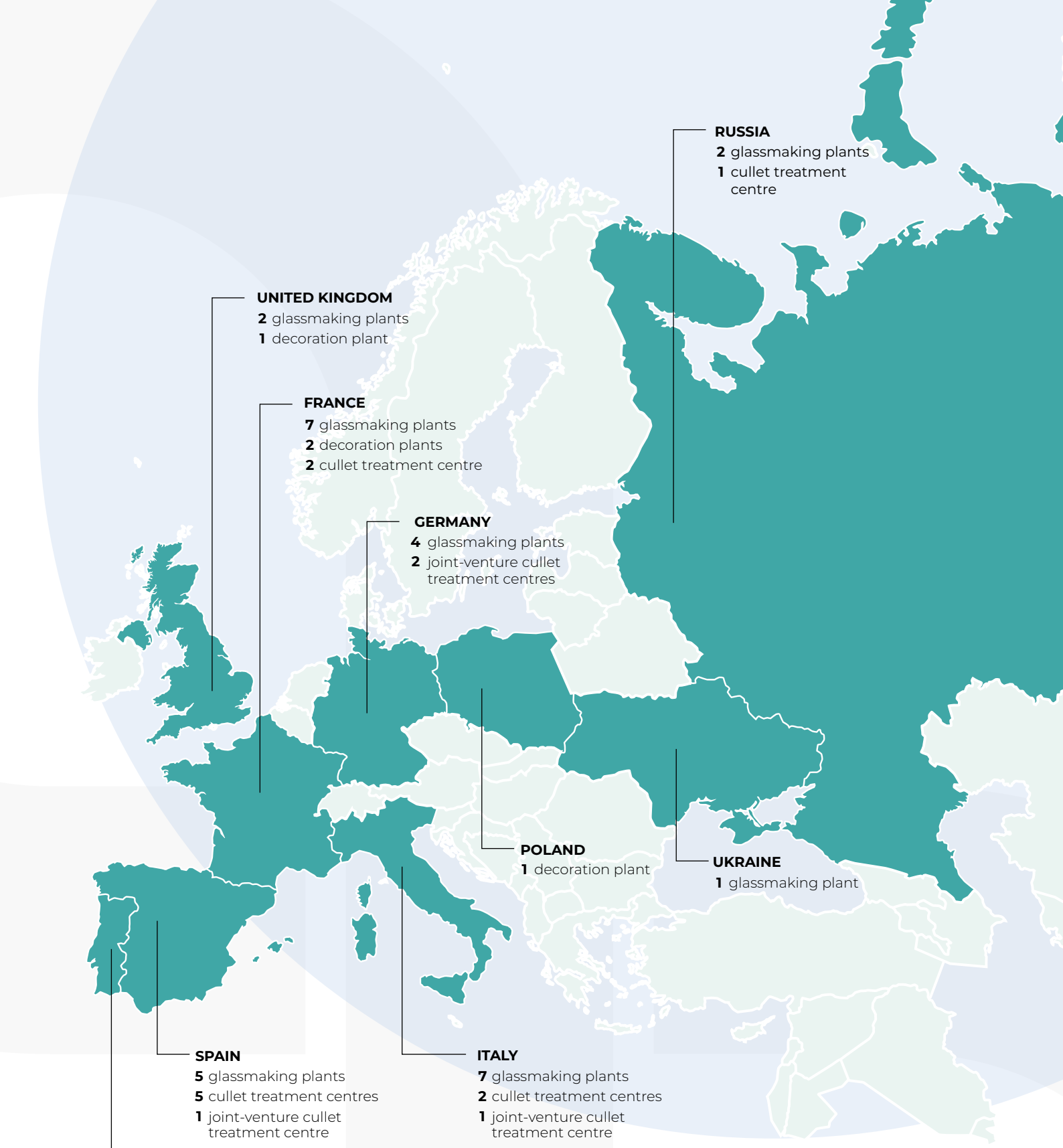
European leader and the world's 3rd largest producer of glass packaging for beverages and food products

2024 REVENUE

3,456.1 M€



*As of December 31, 2024, source: URD 2024.



RUSSIA
2 glassmaking plants
1 cullet treatment centre

UNITED KINGDOM
2 glassmaking plants
1 decoration plant

FRANCE
7 glassmaking plants
2 decoration plants
2 cullet treatment centre

GERMANY
4 glassmaking plants
2 joint-venture cullet treatment centres

POLAND
1 decoration plant

UKRAINE
1 glassmaking plant

SPAIN
5 glassmaking plants
5 cullet treatment centres
1 joint-venture cullet treatment centre

ITALY
7 glassmaking plants
2 cullet treatment centres
1 joint-venture cullet treatment centre

PORTUGAL
1 glassmaking plant
1 cullet treatment centre
1 joint-venture cullet treatment centre

RECYCLING. IT'S UP TO YOU.

GLASS IS AN EXAMPLE OF THE CIRCULAR ECONOMY. IT IS COMPLETELY AND INFINITELY RECYCLABLE.

RECYCLE GLASS!

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Find out more about glass recycling

verallia