



# Vetropack Italia

## A plant for the future

First stone of new factory, first seed  
of innovation and sustainability

Company Profile





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# Vetropack: sustainability values

We enable everyone to enjoy food and beverages in the safest, most responsible, and sustainable way.

## Safe

Everyone's safety is our top priority - we focus on high-quality glass products that are the result of constant innovation. Due to its natural origin and inert structure, glass is the perfect material for food-safe packaging. We have a holistic view of safety and help our customers optimize their value chain to ensure consumer safety.

## Sustainable and Responsible

We consider glass to be the most sustainable solution for all containers for the food and beverage industry, as it originates from totally natural raw materials and is 100% and infinitely recyclable. Our responsibility is not limited to the product, but also translates into a path that involves all our stakeholders. In this spirit, we take responsibility for producing and generating economic returns with a reduced environmental impact. We aim to continuously reduce our atmospheric emissions throughout the entire value chain. With this in mind, we firmly believe that circular economy is the key to optimizing the product life cycle, including end of life management. Our commitment does not stop there, and we contribute to our customers' success through a range of synergistic services.



# The Vetropack Group at a glance

around  
**4,000**  
employees  
in 8 countries

**4.86**  
billion units  
glass containers

Recycling  
pioneer since  
the **1970s**

Net Sales in CHF  
millions

**662.6**

EBIT in CHF  
millions

**76.1**

**55%**  
Use of  
recycled glass  
in the  
production  
process

**10**  
Locations  
in Europe

**4.86**  
Unit sales  
every year  
in billions



# Vetropack is one of the leading manufacturers of glass containers in Europe

The Vetropack Group is an independent, listed and family-managed glass packaging manufacturer in Switzerland with about 4,000 employees overall. We supply the beverage and food industry with high-quality glass packaging. Glass is a natural and neutral raw material that can best preserve valuable products.

## Growing momentum in the glass industry

Traditionally, the glass industry has evolved at a rather slow pace, as investment cycles are long, and the value chain is characterized by proven processes and partnerships with customers and suppliers that span several years. For the past few years, however, its momentum has been picking up, particularly thanks to digitalization and rising expectations from various stakeholder groups. The global pandemic in 2020 intensified some of the existing trends and had a serious impact on the sales markets. Vetropack's results show that the company is in a very stable position and can quickly respond to unexpected developments. To ensure that the company can continue to meet customer needs as effectively as possible in the future, Vetropack constantly monitors the market environment to identify opportunities and challenges early on and proactively find ways to address them.



# Vetropack Italia

## Vetropack Italia glassworks

Founded  
1960

Takeover  
by Vetropack  
2015

Area  
88,700 m<sup>2</sup>

Number of furnaces  
2

Number  
of production lines  
6

Net sales 2020  
in EUR millions  
85.4

Employees  
as at 31.12.2020  
301





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## Vetropack Italia

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Vetropack Italia S.r.l., part of Vetropack Group, is a company that produces, sells and distributes glass packaging, mainly on the Italian territory. The current site, built in 1960 and acquired by Vetropack Group in July 2015, is located in Trezzano sul Naviglio. The site covers an area of 88,700 m<sup>2</sup> and has a total of 301 employees, whose average age is 44.

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## Vetropack Italia's business approach

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Vetropack Italia's business approach is guided by its three core values: integrity, loyalty, and transparency. The company bases its business and relationships with suppliers and customers on these three points, aiming to create solid and lasting partnerships. An extensive catalogue and the possibility to choose from both its own articles and those of the Group, have allowed Vetropack Italia to establish a strong bond with its client portfolio, which ranges from the small entrepreneur to the large multinational. Alongside customers and suppliers, employees play a fundamental role for Vetropack Italia, for whom the company provided over 7,000 hours of training in 2020. The company has also activated a collaboration with the Politecnico di Milano.

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## A new plant for the future

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In order to meet the growing demand of the Italian market and, at the same time, improve efficiency and innovate through a structure that complies with its sustainability goals, Vetropack Italia has decided to purchase a larger plot of land, where it is building a new glass production site aimed at satisfying an ever-increasing demand for its products but also capable of meeting the increasingly stringent quality requirements demanded by its customers. Developed on a triple level of sustainability - urban, social, and environmental - the new plant will be built in Boffalora sopra Ticino, in the province of Milan. For the Trezzano sul Naviglio plant, on the other hand, Vetropack Italia, feeling a historically integrated part of the territory, will pay the utmost attention and care to the plan of a better use of a strategic area for the development of the country, through the consolidated collaboration with the local authorities.



# Commitment to sustainability and the future of the company and its ecosystem

## The driving force behind value creation

Vetropack Group's actions are determined by an integrated understanding of value creation. Instead of only focusing on financial success, Vetropack also takes into account the various resources required to create value in its business activities. Alongside customers and shareholders, partners along the value chain, employees and the environment also benefit. The purpose is at the heart of the business model and is the driving force behind the activities carried out by employees and the basis of production and services.

Vetropack's sustainability strategy falls within the European Union's development plans, aimed at increasing the percentage of used glass in the production process.

In this perspective and as part of the 2030 Strategy, Vetropack Group has set the goal of achieving a percentage of recycled glass in production of at least 70% at group level by 2030, compared to 53% at the end of 2020.

In Switzerland, we started collecting used glass as early as the 1970s, therefore responsible management of raw materials is a key element of environmental sustainability.

Glass is a natural material that is 100% recyclable without compromising its quality. Glass embodies the concept of a sustainable container and is always the first choice for health and environmentally conscious consumers.

## Recycling improves the environmental impact

Recycling is the best choice from an environmental and economic point of view. Over the last decades, reusing glass has increased significantly, improving the environmental impact of production: in the last 25 years, the European glass container industry has reduced CO<sub>2</sub> emissions and waste pollution by 74% through recycling and technological innovations. We can use up to 60% of recycled glass to produce clear and brown glass and up to 100% to produce new green glass. The quality of the collected glass and its treatment are crucial.

By producing glass containers, we create added value in all three areas of sustainability: economic, social, and environmental.

## Sustainable development

Our goal is to continually improve sustainable production models in glass production. We strive to reduce the use of materials and energy consumption during processing and transportation.



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## Greenhouse gas emissions by energy source

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Thermal energy for melting furnaces accounts for over 60% of the total greenhouse gas emissions from the manufacturing process.

Aware of the impact generated by our emissions, we take responsibility for improving our environmental footprint through continued investment in innovation.

There are essentially four factors that determine the carbon footprint of a glass container:

- the energy required for the production process;
- the amount of used glass employed;
- the transport distance to the bottling unit;
- the selected transport means.

The glass production process requires high temperatures of around 1600° C, and the challenge for us is to improve the energy efficiency of the melting process. At the same time, it is also possible to optimize the use of the residual heat from the melting furnaces, for example by using them as heating sources for adjacent buildings.

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## Lightweight glass technology and short transport routes

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Lightweight glass production technologies - which allow the production of thinner glass containers while maintaining their stability and strength - contribute to significantly reduce the environmental impact of a glass container.

Moreover, if a bottle is marketed regionally and transported by rail, its ecological footprint is further improved.

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## Sustainable economic activity ensures our success

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Environmental protection is a factor in our success:

- Production models and products in line with the best sustainability standards;
- Attention to stakeholder needs, also from an environmental standpoint;

- Energy efficiency measures that positively influence the environmental balance and cost structure;
- The use of a significant percentage of recycled glass as a secondary raw material, the reduction in energy and material consumption, and the optimization of waste management and emissions within the production process allow us to improve the environmental footprint of our glass containers.

## Technological innovations and environmental projects

### Energy efficient and low emission melting furnaces

Processing glass requires very high temperatures, which are generally obtained by using gas as an energy source. The mixture of recycled glass and raw materials is heated in the melting furnaces to a temperature of about 1600° C. To ensure that the energy required for melting is used in an environmentally responsible manner, while at the same time continuing to reduce the level of emissions, we strive to use the latest technology whenever a new melting furnace is installed or is periodically inspected.

### The lightness of sustainability: lightweight glass

Lightweight glass technology makes it possible to reduce the weight of glass packaging while retaining all the other advantages of this material: glass is 100% recyclable with no loss of quality and guarantees absolute neutrality for the content. Thinner glass containers nonetheless guarantee the necessary performance.

The reduction in weight benefits the environment: less use of raw materials, less energy and materials, lower CO<sub>2</sub> emissions. But the benefits of weight reduction are reflected not only on the environment, but also on bottlers, retailers, and consumers.



# The new production site: a plant that looks to the future for innovation and sustainability

In line with the 2030 Strategy, Vetropack has chosen to embrace the values of sustainability also through the construction of its new production plant in Italy. After an extensive search, the first preliminary agreement for the purchase of the land in Boffalora sopra Ticino was signed in November 2018 and, during 2019, Vetropack Italia made significant investments on the Trezzano sul Naviglio site to ensure maximum plant operations until the relocation date. Although the 2020 Covid-19 pandemic affected Vetropack Group deeply, this did not slow down its growth and expansion ambitions. On August 2, 2021, in fact, work began on the new site in Boffalora sopra Ticino, where the project is expected to be completed in 2023.

The production site is designed with the objective of integrating the plant into the territory, which is located within the Ticino Park and, as such, subject to floral-fauna and environmental protection. The presence of the course of the Naviglio Grande also introduced requirements for environmental and water protection, so the architectural project is conceived in full collaboration with the competent authorities. The result is a site that integrates itself into the landscape, reflecting the landscape's colours and perspective matrices avoiding obvious clashes. The result will be an industrial site of about 170.000 m<sup>2</sup>, on a land area of about 347.000 m<sup>2</sup>.

This project does not entail the construction of a new industrial plant from the ground up on new land converted to industrial use, but rather on a disused but not abandoned site. In an effort to create a responsible business, the project embraces sustainability standards on three different levels: urban, social and environmental.

## Urban Sustainability

The Boffalora sopra Ticino production site is the result of an extensive plan to demolish unsafe buildings and ruins, allowing for the recovery of a large, renovated area, already connected to the national electricity and methane gas distribution network. In addition, as part of the construction of the new industrial site, about 31,000 m<sup>2</sup> of an area overlooking the Naviglio Grande will be dedicated to the creation of a public green park with native flora and fauna. A park that will be open to the public also through a bicycle and pedestrian path stretching 2,5 km, connected with the existing circuit, where a building of the former industrial area will be used as a municipal information point. The project also includes the modification of the traffic circulation of the current SP225, which will improve accessibility and safety of the road, as well as the construction of a public parking lot for cars and a parking lot for trucks to avoid imposing on the existing roadway.

## Social Sustainability

The Boffalora plant will be located at a distance of 25 km from Trezzano sul Naviglio, to ensure the preservation of jobs and the protection of employees as much as possible. Moreover, the plant will be a centre of renewed industrial vocation, building on the previous industrial areas.

## Environmental Sustainability

The site will comply with the Regional Resolution on land consumption, favouring the recovery of a post-industrial area over the occupation of new land currently used for agriculture; an extensive environmental assessment of the subsoil and a consequent environmental reclamation plan have been carried out, which have allowed the municipality to remove significant environmental liabilities and to eliminate several thousand square meters of asbestos roofing. The secondary materials generated by the demolition and crushing of the existing buildings will be reused in the construction phase, and the vegetation felled in the areas where the buildings will be reconstructed will be replanted on site. The glass plant is also designed to have the lowest day/night acoustic emission level and an emission treatment system to ensure reduced emission levels in the atmosphere. Finally, a drastic reduction in water consumption in the processing phases will be implemented, increasing the use of internal recovery and recycling systems.

## Vetropack Italia: plant for the future. First stone of the new factory, first seed of innovation and sustainability

The civil and urbanization of the project has been entrusted to GSE Italia S.r.l. who, as General Contractors, is working with architectural and environmental design firms. The process part is supported by CM.Project.ing, a German engineering company.

Vetropack Italia's resolve to bring its own contribution to the territory through a sustainable approach is therefore mainly represented through the building of the new production plant in Boffalora sopra Ticino, which embraces the guidelines of the 2030 Strategy.



# Contacts

## Havas PR Milan

### Rafaella Casula

Phone: +39 02 85457056

Mobile: +39 345 3780834

Email: rafaella.casula@havaspr.com

### Lidy Casati

Phone: +39 02 85457091

Email: lidy.casati@havaspr.com

### Anna Bottolo

Phone: +39 02 85457002

Email: anna.bottolo@havaspr.com

## Vetropack Italia S.r.l.

### Valentina Colussi

Phone: +39 02 45877799

Mobile: +39 342 8238333

Email: valentina.colussi@vetropack.com

## Vetropack Holding Ltd

### Elisabeth Boner

Head of Corporate Communication

Phone: +41 44 863 33 05

Mobile: +41 79 404 35 17

Email: elisabeth.boner@vetropack.com



[www.vetropack.com/en](http://www.vetropack.com/en)