

07 Committed to the planet

- 7.1** More environmental ambition
- 7.2** Towards carbon neutrality
- 7.3** A circular company
- 7.4** Main environmental indicators
- 7.5** Going further: partnerships for sustainability





07.1

More environmental ambition

Management approach

Scientific evidence has sent us a message: time is running out to reach the goal of limiting the increase in the average temperature of the planet to 1.5°C. The latest *Emissions Gap Report (2022)* from the UN Environment Programme (UNEP) warns of the possibility of reaching an increase of 2.8°C by the end of the century compared to the pre-industrial era if there is no drastic reduction in the emission of greenhouse gases. Just a few days after this report was published, **COP27** concluded with a call for the need to maintain the scenario set out in the **2015 Paris Agreement**.

The progress made in recent years, from the historic COP21 to the last one held in the Egyptian city of Sharm El Sheikh, has been increasing the pressure on governments and companies to adopt increasingly demanding decarbonization strategies and emission reduction targets. The leadership of the European Union has been decisive in this translation of the agreements into a firm regulatory framework, with its European Green Deal, a road map to make Europe the first climate-neutral continent.

In this context, Antolin is working to become a business leader in the new green economy for its contribution to the fight against climate change and its support for the transition toward a low carbon economy. Thus, in order to continue advancing in this area, in 2022, as part of the review and updating of the company's strategy, more ambitious decarbonization commitments were established for both processes and products.

- Evolution of the **reduction of Scope 1 and 2 emissions by 2028**, with respect to 2019, from 30% to 75%. To achieve this, Antolin will, among other actions, increase the use of renewable energy in European countries not previously considered and will also introduce this commitment, gradually, in the United States and Mexico. In 2022, 20% of the electricity consumed was renewable.
- **Adherence to Science Based Targets (SBTi):** Antolin will define science-based medium-term decarbonization targets that include the three scopes for their validation over the next two years.
- Increase in the percentage of **sustainable material in the product**, in keeping with customer and market conditions. Antolin will move towards defining a percentage applicable to the most consumed raw materials, according to availability and supply conditions in the market.

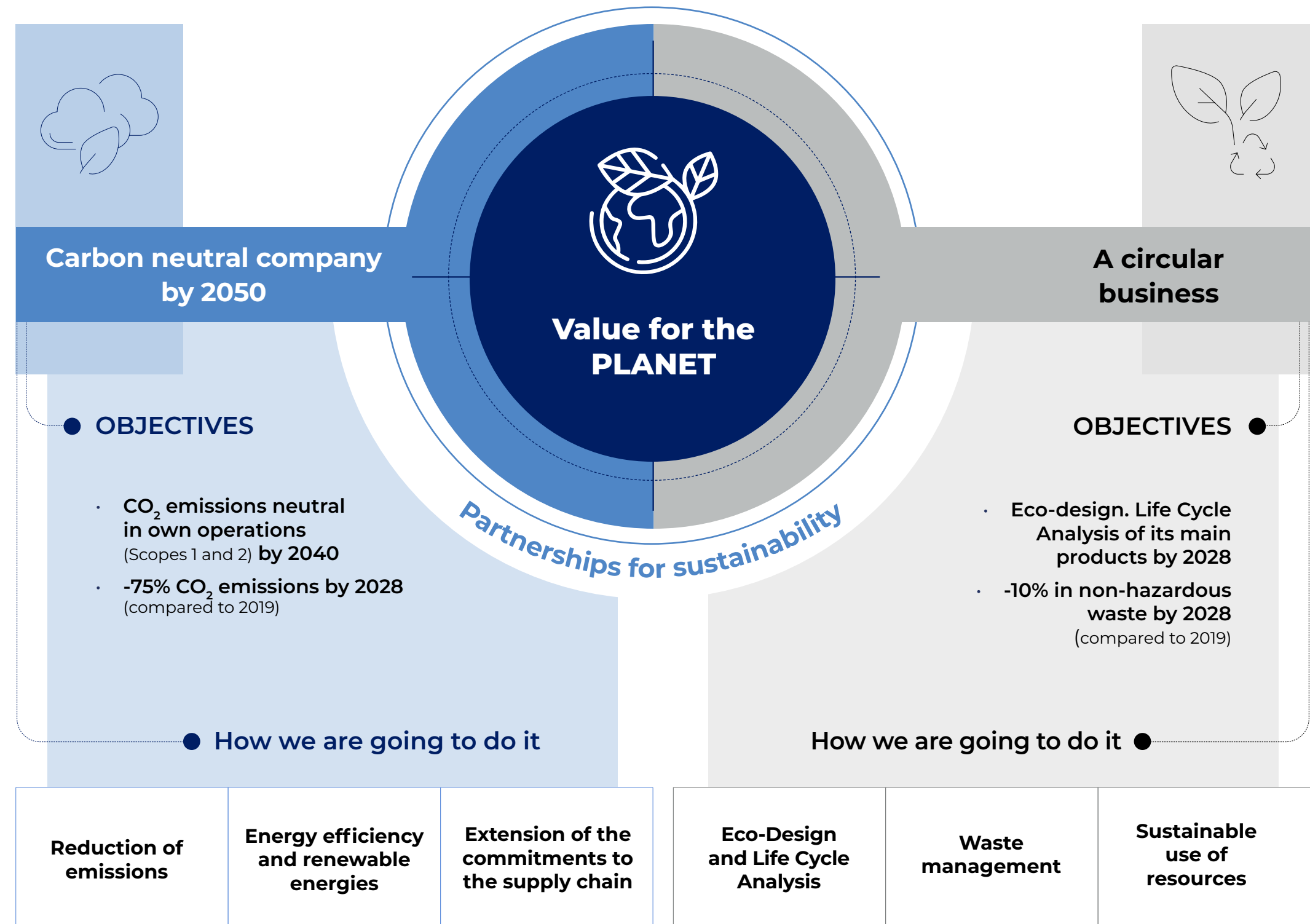




Linked to the fulfillment of these objectives, Antolin is developing a series of actions capable of combining economic growth with the use of natural resources in a rational and responsible manner. This contributes to preserving, maintaining, and protecting the natural environment and the beings living in it following the path set by the **Paris Agreement** and **the Sustainable Development Goals of the 2030 Agenda**.

Antolin's environmental commitment is set out in Planeta, one of the three strategic pillars for the company's value generation from a dual perspective: the environmental footprint generated by the company itself and by its products. In both cases, Antolin is working to minimize the impact generated and maximize its contribution to the decarbonization of the economy, always hand-in-hand with its customers and its supply chain.

A new road map



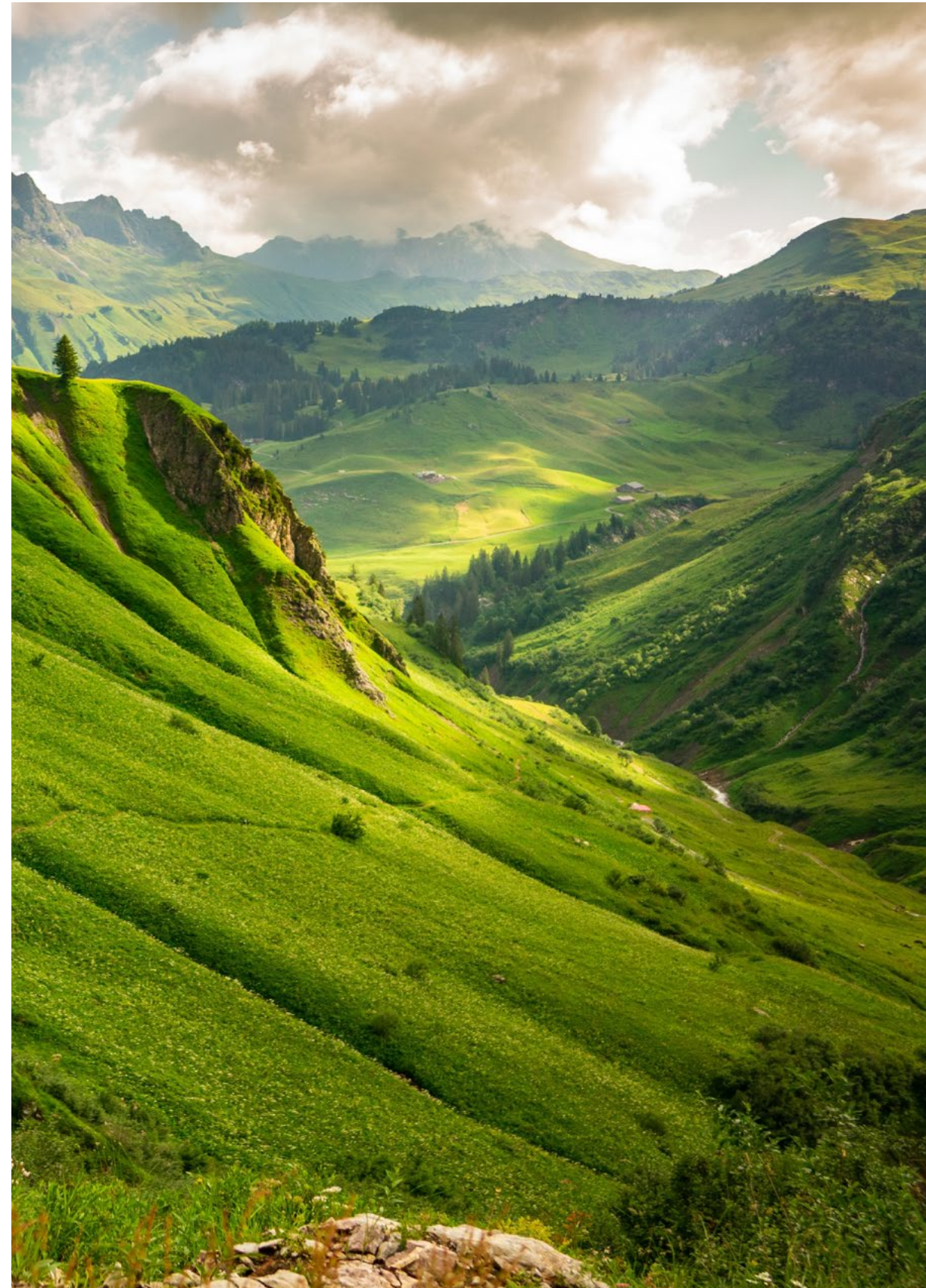
Prevention of environmental risks

Under the responsibility of the Board of Directors and the Sustainability and Corporate Governance Committee, Antolin has promoted, from the very start, the consolidation of a cross-cutting environmental culture in the company. It does this with the support of the sustainability department, which has a specific area focused on the fight against climate change and the circular economy, as a facilitating agent for the integration of environmental sustainability into the daily management of the organization. This will help its customers meet their decarbonization commitments.

This commitment is developed regionally and locally at the different centers where Antolin operates. At each certified company there is at least one person responsible for environmental management. In some cases, this person has also obtained the qualification to perform cross audits. In 2022, five new internal auditors were trained, meaning that there are currently 21 qualified auditors collaborating in Antolin's environmental management. In total, 96 of its own employees and one external employee are working to prevent environmental risks.

Antolin applies the **Precautionary Principle**, derived from its Environmental and Energy Policy, to all stages of its activity, from the design of products, their manufacturing, to the end of their useful life. In addition, the company has guarantees in the form of civil liability insurance to cover possible contingencies in this matter.

Each and every solution created through the company's innovation is conceived as a comprehensive element that brings together sustainable materials, excellent technical features, electronic devices, and control software for their associated functions to achieve greater sustainability, comfort, and safety on board.



Key elements in Antolin's environmental management

- **Environmental and Energy Policy.** It drives the promotion of renewable energy and the extension of Antolin's environmental sustainability commitments to the supply chain through the Supplier Code of Conduct. This was updated in 2022 to align the environmental goals revised over the past year with the updating of the sustainable principles and commitments defined for the automotive value chain by the main sector associations: *Drive Sustainability* and *AIAG*.
- **Environmental Management System (EMS).** Based on ISO 14001:2015 and rolled out to the main industrial companies with the greatest environmental impact, the headquarters, and certain assembly and sequencing centers, it is aimed at preventing pollution and reducing the use of resources, as well as improving energy efficiency.

Thanks to this system, Antolin can annually identify the risks and opportunities of each company and establish improvement programs. In 2022, one of the companies located in Portugal extended the scope of its ISO 14001 certification to a new site. This brings the number of ISO 14001-certified sites to 95, two numbers less than in 2021 due to the change in the scope of financial consolidation in that year.

- **Energy Management System (EnMS).** This is based on the ISO 50001:2018 standard to evaluate significant uses of energy, a continuous stimulus for improvements in energy efficiency, and to adopt measures aimed at reducing energy use. There are currently six European centers with this Energy Management System.



07.2

Toward carbon neutrality

Management approach

The transition towards a low-carbon economy is an essential process to combat the effects of climate change. This decarbonization requires immediate commitments by countries and companies to reduce greenhouse gas (GHG) emissions so that we can comply with the agreements reached at the **Paris Climate Summit**.

Antolin seeks to minimize its impact on the environment by optimizing its procedures and developing innovative sustainable solutions, while redoubling its efforts to anticipate the demands of customers and regulators, and thus reach the desired goal of zero emissions in its processes and throughout the chain. In this regard, the company went a step further in 2022 by initiating a Scope 3 emissions calculation project.

Following these commitments and the path indicated by the European Green Deal, Antolin is committed to achieving **climate neutrality by 2050**, a key year in which Europe could become the first climate-neutral continent. To do this, the company has activated three main lines of work:

- **Consume less:** reduce consumption through the digitalization of companies and the introduction of energy efficiency criteria into processes and products.
- **Consume better:** by purchasing renewable energy and promoting the self-consumption of emission-free electricity through photovoltaic facilities.
- **Offsetting:** to improve social and environmental positioning through actions such as reforestation.

| OBJECTIVES | | |
|---|---|---|
| Value for the planet | | |
| | Reduction of emissions | Road map 2028 |
| SCOPE 1 Direct emissions Associated with combustion processes and greenhouse gases (GHG) related to the activity itself | Carbon neutrality by 2040 -75% CO ₂ emissions by 2028 | Consume less -5% energy consumption Consume better 70% consumption of energy from renewable sources Offsetting emissions |
| SCOPE 2 Indirect emissions Associated with electricity consumption and district heat derived from its own activity | | |
| SCOPE 3 Indirect emissions Derived from the supply chain | Carbon neutrality by 2050 | <ul style="list-style-type: none"> • Scope 3 footprint measurement • Extension of the commitments to the supply chain |



Antolin, on the front line of decarbonization

In 2022, Antolin joined the international **Science Based Target (SBTi)** initiative, led by the Carbon Disclosure Project (CDP), United Nations Global Compact, World Resources Institute (WRI), World Wildlife Fund (WWF), and the We Mean Business corporate coalition, to help companies set ambitious science-based climate targets. As part of the membership process, Antolin's proposed targets must be approved by SBTi within a two-year period.

Similarly, in compliance with the requirements of customers and rating agencies, Antolin has been reporting its environmental performance annually to the **Carbon Disclosure Project (CDP)** organization since 2012. It is worth highlighting the substantial improvement in the result, moving from a D rating in 2021 to B in 2022. This positions the company above the sector average, and also above all the industries that report to CDP worldwide.

Scope 3 footprint measurement

In 2022, Antolin launched a Scope 3 emissions calculation project that has made it possible to identify the main categories of indirect emissions. This is also a first step in laying the foundations for a plan with specific actions aimed at a gradual reduction of emissions throughout the chain.

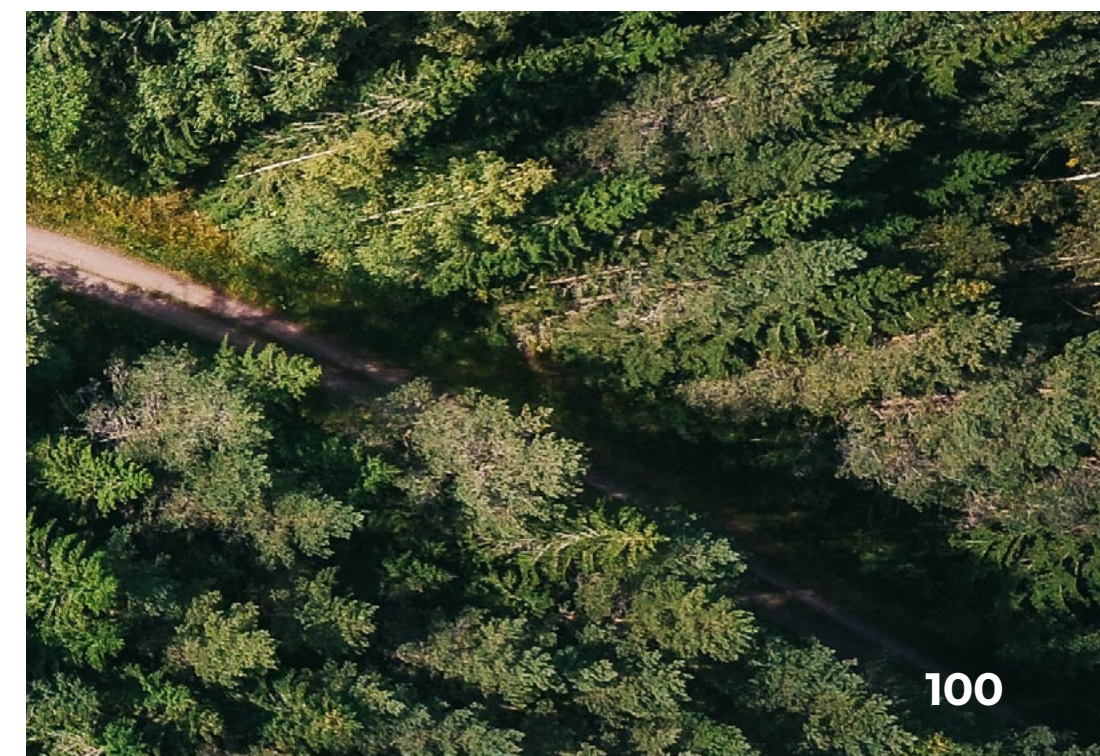
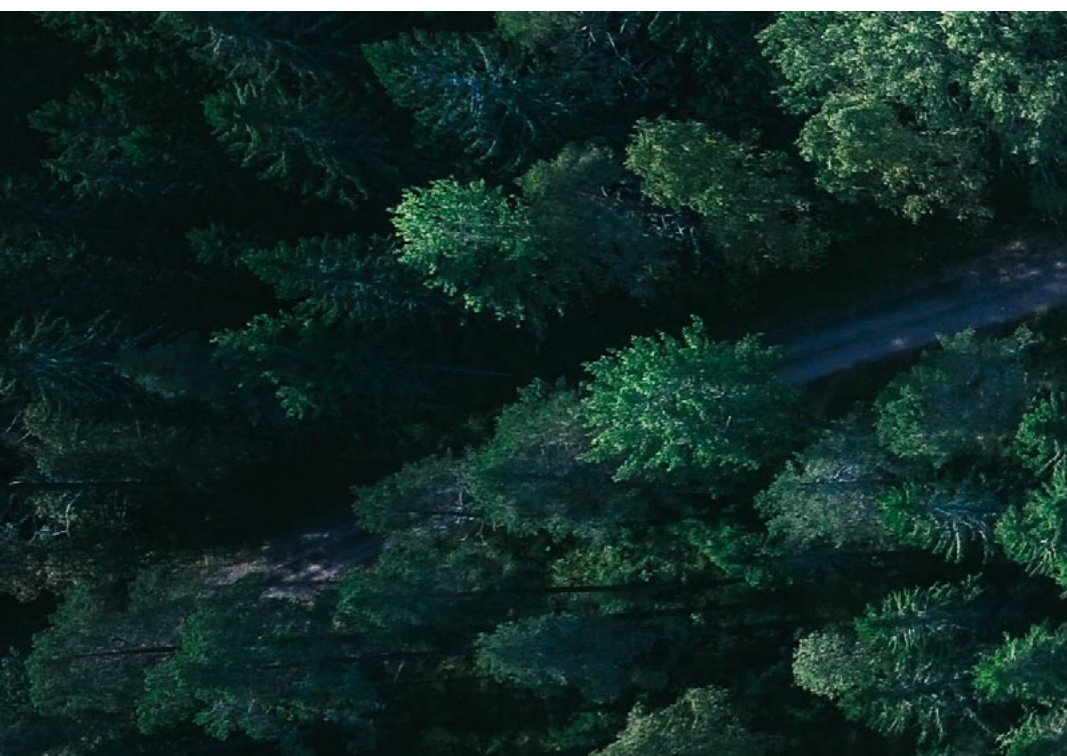
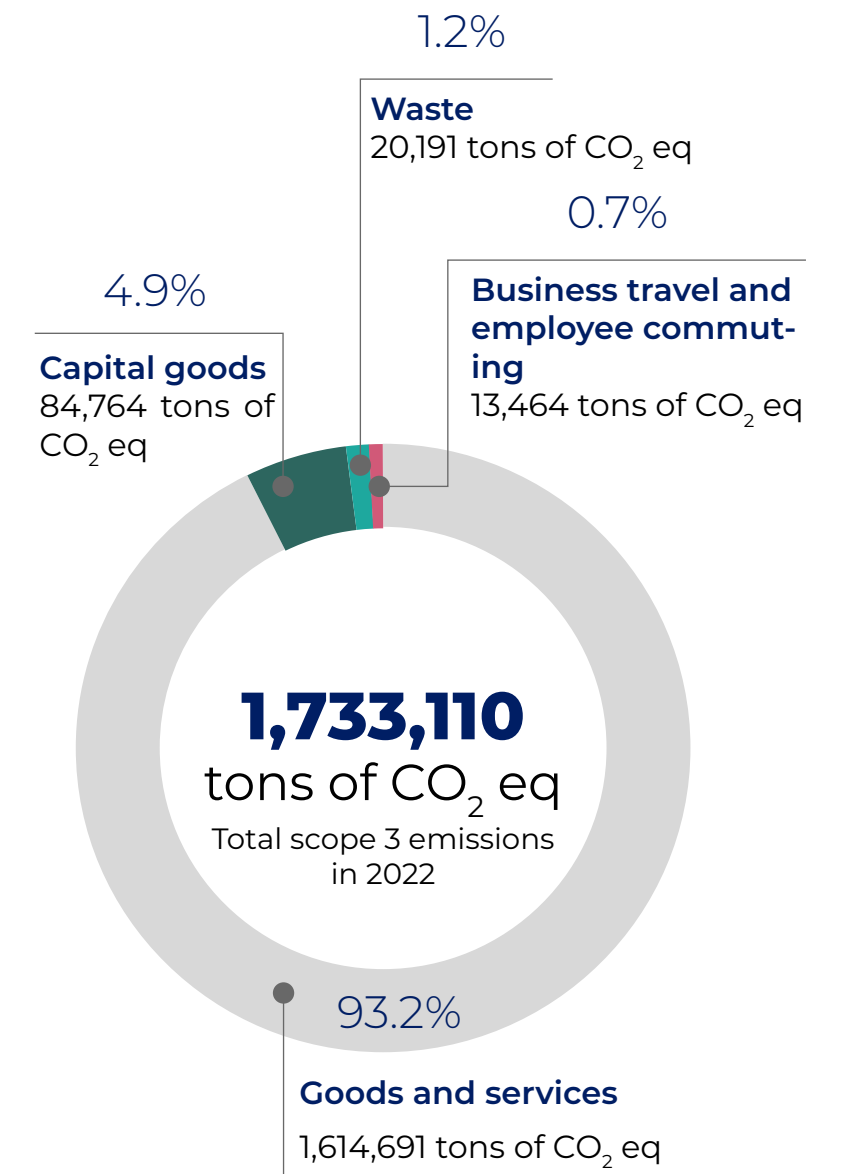
The calculation was carried out according to the Greenhouse Gas Protocol (Technical Guidance for calculating Scope 3 emissions) methodology and includes the following categories:

- **Category 1:** Purchased goods and services
- **Category 2:** Capital goods
- **Category 5:** Waste generated in operations
- **Category 6:** Business travel
- **Category 7:** Employee commuting

Led by the sustainability department, this process has been assisted by a startup specialized in the measurement, traceability, and monitoring of emissions throughout the supply chain. As part of the team, we can highlight the internal collaboration of different areas, such as purchasing and digitalization, and companies, in the collection and provision of environmental data in the internal environmental reporting tool launched in 2021.

The new categories reported reinforce Antolin's existing carbon footprint measurement. Since 2020 it has had two logistics platforms—rolled out to 59 centers in Europe, the United States, and Mexico—to calculate the global emissions derived from transportation from the supplier to Antolin's facilities. With 37% of transport monitored in Europe, and 26% in the United States and Mexico, these Scope 3 emissions amount to 27,434 tons of CO₂ in Europe and 25,097 tons in the United States and Mexico in 2022.

Antolin's ambition does not end here since it also continues to work hand-in-hand with its suppliers to identify **new improvement opportunities**, such as the optimization of logistics routes. This project, which started in 2022 in Europe, has already avoided the emission of 512 tons of CO₂.





Reduction of emissions

In order to meet the targets set, the company has continued to promote initiatives for the gradual reduction of greenhouse gas emissions by improving processes and facilities, increasing the use of energy from renewable sources, and generating electricity for self-consumption.

All of Antolin's processes —acquisition of raw materials, manufacturing, storage, shipping— are optimized in order to minimize its polluting emissions. A determining factor for this is the positioning of its plants and “Just in Time” production centers close to those of its customers in the 26 countries where it operates.

Another important measure in this line of action to reduce emissions is the **monitoring of other gases (NO_x and SO_x)** from the use of fossil fuels in climate control processes. Through external maintenance companies or authorized control bodies, Antolin guarantees regular measurements to verify compliance with the atmospheric emission limits established in the legislation.

The company also monitors other ozone-depleting substances used in refrigeration and fire extinguishing systems to detect and prevent possible leaks in the facilities. Thanks to these controls, leaks equivalent to the emission of 69 tons of CO₂ were recorded in 2022.

Moreover, Antolin also measures outdoor noise emission levels following the current regulations and applies the corresponding corrective measures in the event of any problems detected.

GHG emissions

| Indicator (unit) | 2021 | 2022 |
|--|---------|-----------|
| Greenhouse gas emissions by direct consumption of energy (scope 1) (tons of CO ₂ eq) (*1) | 27,910 | 26,461 |
| Greenhouse gas emissions by consumption of electricity (scope 2) (tons of CO ₂ eq) (*1) | 178,308 | 155,209 |
| Greenhouse gas emissions (scope 3) (tons of CO ₂ eq) (*3) | - | 1,733,110 |

KPI (unit/sales)

| KPI (unit/sales) | 2021 | 2022 |
|---|-------|--------|
| Greenhouse gas emissions by direct consumption of energy (scope 1) (tons of CO ₂ eq/€ million) (*1) | 6.20 | 5.35 |
| Greenhouse gas emissions by consumption of electricity (scope 2) (tons of CO ₂ eq/€ million) (*1) (*2) | 39.63 | 31.40 |
| Greenhouse gas emissions (scope 3) (tons of CO ₂ eq/€ million) (*3) (*4) | | 389.38 |

(*1) The energy, emissions, waste and water figures correspond to 97.7% (by aggregate sales) of Antolin's industrial centers and assembly and sequencing centers (including the headquarters).

(*3) Scope 3 emissions data correspond to the 5 most relevant categories according to the GHG Protocol classification (Categories 1, 2, 5, 6, and 7). Data incorporated in 2022.

(*2) The figures for the indirect consumption of energy and emissions in 2021-2022 include electricity and district heating. In 2020 direct energy only included electricity.

(*4) KPI values for plastic pellets consumption, Polyol / Isocyanate consumption, and greenhouse gas emissions (Scope 3) are calculated in relation to consolidated sales.



Lighter products, lower emissions

Antolin is addressing the reduction of vehicle emissions in the **different phases of the life cycle of its products**, with actions aimed at reducing the weight of components and solutions supplied to the customer. In this way, the company decisively contributes to minimizing the environmental impact of vehicle use.

In this area, it is worth highlighting:

- **Use of structural foaming in the manufacture of interiors.** This results in a lightweight and durable interior structure which also creates a pleasant sensation to the touch and on the eye for the user.
- Development of **materials from renewable sources**, such as those made of natural fibers.



Antolin is working on the reduction of emissions in the different stages of its products' life cycles



100% of the electricity consumed at the centers in Spain and Portugal is renewable

Responsible energy management: consume better, consume less

From the very start, Antolin has maintained an unwavering commitment to responsible energy management. In 2022, the commitment went one stage further with the creation of an **energy committee**. Made up of a multidisciplinary team, its main function is to introduce measures to increase the use of renewable energy, either through self-consumption or agreements with renewable energy suppliers and/or those with guarantees of origin.

Both avenues were boosted in 2022 through different actions.

- **Generation of electricity at its own facilities for self-consumption.** Antolin commissioned two new photovoltaic facilities in 2022: one in Burgos, with a capacity that meets 10% of the plant's annual consumption; and another in Valladolid, whose capacity is expected to reach 30% in 2023. These are in addition to those already up and running in India and Spain since 2021. The company's headquarters was home to its first photovoltaic facility in 2007. Following this progress, two more photovoltaic facilities will be established in Spain in 2023.
- **100% renewable energy consumption.** The year 2022 marks a milestone in the plan to purchase energy from renewable sources, as from this point all the electricity consumed at the company's sites in Spain and Portugal will come from green sources. Antolin also has three centers (two in Mexico and one in China) with international certificates (I-REC), certifying that the energy supplied comes from renewable sources. This recognition is endorsed by the GHG Protocol and accepted by customers.

As a result of these actions, the **consumption of energy from renewable sources increased from 2.4% in 2021 to nearly 11% in 2022**. This increase has avoided a total emission of 12,593 tons of CO₂.

Consume less: projects with innovation as the key element

Antolin's energy responsibility finds one of its best allies in **digitalization**. Technology has not only transformed production processes and led to the "smart factory" model, it is also giving rise to new tools to make the aspiration of consuming less a reality.

- **TEEPP Project.** Between 2021 and 2022, this project focused on research into innovative technologies applied to the energy efficiency of production processes (TEEPP). The result was a digital platform capable of transforming data into knowledge to improve decision-making in the energy optimization of production processes. Implemented in two centers in Burgos, Spain, the initiative has already improved the consumption as a proportion of sales indicator at both facilities.
- **Smart Energy Project.** Launched in 2022 at two sites in the United Kingdom and Germany, this project is based on the application of digitalization to the analysis of energy consumption and the cross-referencing of this data with production data. Under the leadership of the Advanced Manufacturing 4.0. Division, Smart Energy will be rolled out to a total of nine plants in Europe and North America over the next two years.

» *More information about sustainable innovation in [chapter 2](#) and [chapter 3](#)*



07.3

A circular company

Management approach

In just a few years, the circular economy has made the leap from academic papers to the pages of our legal system. The European Green Deal, the cornerstone of a new, greener, and more sustainable continent, has the **Circular Economy Action Plan** among its main tools for action. Through the so-called “circular economy legislative package” and its transposition at a national level, countries are adopting a management model focused on waste reduction, with ambitious objectives and all eyes on a goal of “zero waste”.

Antolin shares this commitment to circularity —also present in the 2030 Agenda through SDG 12: Responsible consumption and production—, and puts it into practice by making a sustainable use of resources and incorporating materials with a lower environmental impact. All this is motivated by the desire to support its customers and take on their needs as its own.

For Antolin, being a circular company means being committed to **these lines of work**:

- **Eco-design** of products and solutions
- **Life Cycle Analysis (LCA)** of main products
- **Innovation and technological development** to reduce the weight of components

Eco-Design and Life Cycle Analysis: a winning combination

Antolin uses Life Cycle Assessment (LCA) as a strategic tool to measure the environmental footprint of its products, identify the materials and processes with the greatest impact, and propose **alternatives**. In this regard, in 2022 the company secured the creation of a **team specialized in LCA**, made up of professionals with experience in the design and development of Antolin’s solutions who had first been trained with the help of software widely used in the automotive sector.

Thanks to these advances and the knowledge accumulated over the last year, the Business Units are continuing to make progress in the Life Cycle Assessment objectives defined by the company. One of the projects set to lead the way in this direction is the LCA study carried out on an instrument panel and an upper pillar. Its results are helping to increase our knowledge of the environmental impact of the materials and processes, a key factor in Antolin’s decarbonization strategy.

Antolin’s commitment to eco-design includes all its Business Units, as a response to the demands of its customers and the industry as a whole. This need must be met even more as a world leader in the production of headliner modules, and this is already resulting in **lighter** and therefore more sustainable headliners. These sustainable headliner projects also exemplify Antolin’s efforts to extend sustainability to all of its value chain, anticipating the requirements of customers and the industry as a whole with the development of new solutions.

Circular Economy, a key element in 2022: noteworthy projects

- Instrument panels with NFPP technology that reduces component weight by up to 40% and is compatible with materials such as leather.
- Production of door panels injected with natural fibers to reduce weight by up to 20%.
- Improved energy efficiency and reduced fuel consumption of the vehicle due to lower component weight thanks to an innovative laser welding system, which contributes to decarbonization both in manufacturing and in use.
- Use of new materials in the instrument panels, applying double slush skin trim technology with an excellent texture and finish at half the weight.
- Use of recycled and natural materials in the production of doors or instrument panels.





Sustainable materials: research and innovation

Antolin has been working for years on introducing recycled or natural materials into its products. In this regard, the corporate purchasing department has conducted an exhaustive analysis to determine the availability of sustainable raw materials in the market. A study focused on the main materials used by the company, such as **plastic pellets** for the manufacture of door panels, instrument panels, and other plastic components; or **polyol and isocyanate** for headliner trims.

At the same time, the advanced engineering departments have accelerated the processes to validate the technical feasibility of **incorporating sustainable materials, whether recycled or of natural origin**, in the different components to be supplied to the customer.

Given the current situation in the raw materials market and in response to the requirements of its customers, Antolin has set itself the objective of increasing the **percentage of sustainable plastic** in the products supplied. Thus, in new projects, manufacturers will be offered components with a significant content of sustainable material, mainly technical plastics for doors and instrument panels and for headliner trims.

It is also worth mentioning the research and development of **materials from renewable sources**—replacing others with a fossil origin— such as natural fibers, or polyurethane foams with a high polyol content of biological and renewable origin, used in the production of interior headliner trims.

Likewise, Antolin is working on the development of surface finishes with high added value, using 100% natural materials, in order to improve recyclability: mineral materials, corks, and natural materials encapsulated in polymeric substrates. Another project is the production of films using cellulose pulp from paper industry waste.





Sustainable use of resources: toward zero waste

The circular economy views all waste as a resource of infinite value. Antolin not only shares this vision, it also protects it through its Environmental and Strategic Policy, and its quality, environmental, and energy management systems. Based on the continuous improvement of processes and the optimization of the use of resources, these systems are underpinned by three principles:

- Reducing the consumption of raw materials and energy.
- Reducing waste as much as possible.
- Ensuring the proper control of the stock of materials to avoid losses.

In view of the impact caused by the waste generated in the manufacture of headliner trims, back in 2005 Antolin decided to set up the company ASH Reciclado de Techos. As a result of this management, the company has developed a range of technical materials (Coretech®) for the construction sector, which offer excellent noise insulation and damp protection properties. In 2022, ASH doubled its activity to reach a production of 50,000 m² of prefabricated board as a substitute for wood, manufactured from 490 tons of waste, 97% of which comes from its two Spanish headliner trim manufacturing plants.

Among the actions implemented during the past year to minimize waste generation, promote the circular economy, and minimize the use of resources, the following stand out:

Compression of headliner waste to optimize transportation and reduce fuel consumption and CO₂ emissions in Argentina, which has prevented over 80 tons of foam from ending up in the landfill.

Recycling 100% of the waste generated in Mexico for its **valorization**, an action that was **recognized by GEOCYCLE**, a world leader in waste management services, for its proven contribution to preserving the environment.

Reduction of hazardous waste and adhesive losses in Brazil, thanks to a campaign to **control the generation of hazardous waste**.

Replacement of **cardboard packaging with returnable packaging** as a sustainable alternative at several companies in Spain.

Modification of the composition of products and processes to reduce the amount of hazardous and non-hazardous waste in China and the United Kingdom, and facilitating the **recycling of waste** and preventing 16 tons from being sent to landfill in Brazil. In Mexico's case, 56% of segregated vinyl waste was used to manufacture sandals.

Raising the profile of environmental protection through **awareness campaigns** for employees and their families at centers in Spain, France, Italy, Mexico, and Romania.

Installation of charging points for electric vehicles and/or bicycle racks as a measure to promote **sustainable mobility** among employees in Spain and France.

Award for the environmental responsibility of the workforce in **collaboration with ECOEMBES** through RECICLOS, an initiative to promote recycling at the headquarters by utilizing a system whereby points obtained from recycling can be transformed into contributions for social or environmental projects.

| Waste management | 2021 | 2022 ⁽¹⁾ |
|-----------------------------------|--------|---------------------|
| INDICATOR UNIT | | |
| Non-hazardous waste (T) | 68,662 | 71,577 |
| Hazardous waste (T) | 4,259 | 3,999 |
| KPI (UNIT/SALES) | | |
| Non-hazardous waste (T/€ million) | 15.26 | 14.48 |
| Hazardous waste (T/€ million) | 0.95 | 0.81 |

(1) The energy, emissions, waste and water figures correspond to 97.9% (by aggregate sales) of Antolin's industrial centers and assembly and sequencing centers (including the headquarters).



Consumption of water and raw materials

Water consumption has a minor impact given Antolin's activity. Its main use is sanitary and, even though it is very limited in the production processes, rational water management is applied through saving and efficiency actions. In 2022, water consumption was 1,552,438 m³ in total and 314.10 m³/million of sales.

It is important to add that 60% of the total water consumption is due to the generation of renewable hydraulic energy through a turbine at one of the company's production centers in Austria.

In terms of the **raw materials consumed**, figures are provided on the two main families for the following reasons:

- **Polyol and isocyanate:** Antolin is the global leader in the manufacturing of headliner trims for vehicles. Polyurethane foam is used to manufacture overhead trims, this in turn being made from two chemical components: polyol and isocyanate. Although in a smaller quantity, both compounds are also used in instrument panels and other accessories. Through in-situ foaming, a padded finish is given to the final part. A total of 33 companies use polyol and isocyanate.
- **Plastics:** plastic pellets are widely used to manufacture multiple automotive parts, from instrument panels, door panels, pillars, and other small parts or subcomponents for sunvisors, window regulators, lighting parts, etc. A total of 36 companies manufacture plastic parts by injection.

Consumption of raw materials

| | 2021 | 2022 |
|--|--------|--------|
| INDICATOR UNIT | | |
| Consumption of plastic pellets (T) | 84,102 | 94,560 |
| Consumption of polyol/isocyanate (T) | 17,602 | 19,256 |
| KPI (UNIT/SALES) | | |
| Consumption of plastic pellets (T/€ million) | 20.7 | 21.2 |
| Consumption of polyol/isocyanate (T/€ million) | 4.3 | 4.3 |

* KPI values for plastic pellets consumption, Polyol / Isocyanate consumption, and greenhouse gas emissions (Scope 3) are calculated in relation to consolidated sales.

Biodiversity

In accordance with the results of the company's materiality analysis, Antolin's activity does not have a significant direct impact on biodiversity and natural capital, therefore, it has been considered as non-material for the business and the environment.

» Best practice

Antolin's sustainable headliner, winner of the Plastics Recycling Award

In 2022, Antolin received the prestigious Plastics Recycling Award Europe in the Automotive, Electrical, or Electronic Product of the Year category. This award recognizes the first headliner substrate on the market produced through a hot forming process for different materials (polyurethane, fabrics, and reinforced plastics) obtained from urban waste, post-consumer plastic waste, and tires at the end of their useful life.

Thanks to this project, Antolin is able to reduce waste and energy consumption during the product manufacturing process and meet the demand for sustainable vehicle interiors, something that is increasingly valued by consumers in their purchasing decisions. This successful project is the result of collaboration between Antolin and other tier two suppliers.

As a world leader in vehicle overheads, Antolin has the cutting-edge technology, experience, and capabilities needed to offer more sustainable car interior components. The thermoformed polyurethane headliner technology has shown itself to be the most competitive in terms of quality and cost, thus meeting the specifications of the company's customers.

Organized jointly by Plastics Recyclers Europe (PRE) and Crain Communications, the Plastic Recycling Awards Europe offer an insight into the best developments in the use, product design, and innovative manufacturing of recycled materials.





07.4

Main environmental indicators

| Indicator (Unit) | 2021 | 2022 |
|--|------------|------------|
| Non-hazardous waste (T) (*1) | 68,622 | 71,577 |
| Hazardous waste (T) (*1) | 4,259 | 3,999 |
| Consumption of water (m ³) (*1) | 1,381,513 | 1,552,438 |
| Consumption of plastic pellets (T) (*6) | 84,102 | 94,560 |
| Consumption of polyol/isocyanate (T) (*6) | 17,602 | 19,256 |
| Direct consumption of energy (GWh) (*1) | 133.65 | 126.92 |
| Indirect consumption of energy (electricity) (GWh) (*1) (*2) | 485.94 | 481.48 |
| % Renewable energy | 2.46 | 10.92 |
| Consumption of renewable electricity (kWh) (*3) | 15,221,518 | 66,452,526 |
| Generation of renewable energy (sale) (kWh) (*4) | 536,360 | 536,298 |
| Greenhouse gas emissions avoided by using renewable energy (tons of CO ₂ eq) (*3) | 2,718 | 12,593 |
| Greenhouse gas emissions by direct consumption of energy (scope 1) (tons of CO ₂ eq) (*1) | 27,910 | 26,461 |
| Greenhouse gas emissions by consumption of electricity (scope 2) (tons of CO ₂ eq) (*1) | 178,308 | 155,209 |
| Greenhouse gas emissions (scope 3) (tons of CO ₂ eq) | | 1,733,110 |

| KPI (Unit/Sales) | 2021 | 2022 |
|---|--------|--------|
| Non-hazardous waste (T/millions of €) (*1) | 15.26 | 14.48 |
| Hazardous waste (T/millions of €) (*1) | 0.95 | 0.81 |
| Consumption of water (m ³ /€ million) (*1) | 307.04 | 314.10 |
| Consumption of plastic pellets (T/€ million) (*6) | 20.7 | 21.2 |
| Consumption of polyol/isocyanate (T/€ million) (*6) | 4.3 | 4.3 |
| Direct consumption of energy (MWh/€ million) (*1) | 29.70 | 25.68 |
| Indirect consumption of energy (electricity) (MWh/€ million) (*1) (*2) | 108.00 | 97.42 |
| Greenhouse gas emissions by direct consumption of energy (scope 1) (tons of CO ₂ eq/€ million) (*1) | 6.20 | 5.35 |
| Greenhouse gas emissions by consumption of electricity (scope 2) (tons of CO ₂ eq/€ million) (*1) (*2) | 39.63 | 31.40 |
| Greenhouse gas emissions (scope 3) (tons of CO ₂ eq/€ million) (*5) | | 389.38 |

| PROCESSES | 2021 | 2022 |
|---|------|------|
| Environmental Certifications based on ISO 14001 (no.) | 97 | 95 |
| Energy Certification based on ISO 50001 (no.) | 6 | 6 |
| People dedicated to the environment (no.) | 113 | 97 |

(*1) The energy, emissions, waste and water figures correspond to 97.7% (by aggregate sales) of Antolin's industrial centers and assembly and sequencing centers (including the headquarters).

(*6) KPI values for plastic pellets consumption, Polyol / Isocyanate consumption, and greenhouse gas emissions (Scope 3) are calculated in relation to consolidated sales.

(*2) The figures for the indirect consumption of energy and emissions in 2021-2022 include electricity and district heating. In 2020 direct energy only included electricity.

(*3) The figures on renewable electricity and emissions avoided in 2022 come from the purchase of 100% renewable electricity (21 centers) and the self-generation of electricity (6 centers).

(*4) The figures on the generation of renewable energy (sale) correspond to the electricity generated in the Antolin headquarters, which is fed into the electricity distribution network.

(*5) Scope 3 emissions data correspond to the 5 most relevant categories according to the GHG Protocol classification (Categories 1, 2, 5, 6, and 7).



07.5

Going further: partnerships for sustainability

It is no coincidence that the last edition of the Davos Forum was held under the slogan 'Cooperation in a fragmented world'. At a time of geopolitical tension and polarization, we need to remember the path set out by the 2030 Agenda in its 'SDG 17-Partnerships for the goals' as the most effective means of channeling action to support sustainable development.

This path, involving multilateral efforts, has had notable success stories, such as the United Nations Global Compact, the World Business Council for Sustainable Development (WBCSD), and the 'We Mean Business' coalition (which works with companies around the world to act against climate change), to cite just a few examples.

As a company with a clear vocation to lead and, at the same time, a good understanding of the needs of its environment, Antolin has been following this path for some time, forging partnerships with leading entities, both national and international, to progress in the fight against climate change and accelerate the transition to the circular economy.

The exchange of knowledge, technical capacity, experience, and best practices not only enables the company to improve its environmental performance and showcase its progress, but also encourages it to challenge its limits and raise its ambition.

Partnerships with organizations and technical forums in 2022 include the following:

- **Climate Change Cluster (Forética).** Made up of 73 large companies, it is the leading business platform in the fight against climate change. In 2022 it focused its activity on the need to understand climate change from a broader perspective (with the supply chain) and on the latest advances in environmental reporting.
[» More about the Climate Change Cluster](#)
- **Circular Economy Action Group (Forética).** Formed by 14 companies, in 2022 this business initiative worked to improve our understanding of innovation and financing as two of the pillars for circular transformation.
[» More about the Circular Economy Action Group](#)
- **Circular Plastic Alliance (CPA).** Antolin collaborates with this alliance —made up of 300 industrial, academic, and governmental organizations— through various working groups under the name "Design Product Teams for the Automotive Sector at the CPA". The ultimate goal of the CPA is to boost the European Union's recycled plastics market with a figure on the horizon: 10 million tons by 2025.
- With the aim of sharing the best practices in environmental sustainability led by Antolin, the company has participated in various technical forums, together with the different departments and areas of the organization.

