

Sustainability report 2024

Plastilene Group

NOVEMBER 13, 2024 - COLOMBIA, ECUADOR, GUATEMALA, USA



Challenges
and regulations
for Plastics,
the path to a more
SUSTAINABLE WORLD

EXTENDED PRODUCER RESPONSIBILITY
SINGLE USE PLASTICS BANS
MINIMUM RECYCLED CONTENT
REUSABLE PRODUCTS

Our essence

Letter from our president

April 2025



By: **Stefano Pacini**
CEO Grupo Plastilene

Although this report relates to 2024, it is hard not to consider the road ahead in 2025. We've started this year with massive changes, uncertainty, and surely a new world stage that could shift sustainability for the next 20 years. With this on the table, it is up to us to revise and strengthen our strategy, understanding and analyzing any changes that may come our way.

Plastilene, like most companies in our area of interest, has made statements and commitments aligned with environmental challenges that affect our business and planet. It is our duty to follow through on our commitments, but also to revise and analyze situations or changes that could impact the future of our companies and the wellbeing of our partners and employees.

In 2024 we've witnessed substantial transformation globally: presidential elections were held in the US, elections in the UK, Venezuela, Brazil, and Ecuador, the collapse of the German government, a shift in leadership in Canada, unstable leadership in France, amongst others. In 2025 Ecuador and Colombia will both hold elections.

This is the beauty of democracy, a system that has proved to be the most successful, though far from perfect. We are not exempt from how these changes impact the global equilibrium, and so we must understand, assimilate, and work according to our values and commitments.

For Grupo Plastilene, 2024 was a satisfactory year when it comes to sustainability. We continue being leaders and promoters of real and active sustainability. Our Recycling plant and PCR projects have been solidified, and our entire sustainability strategy, with its many chapters, has only gotten stronger.

This journey has been costly and difficult, but we see that satisfaction is possible. There are many challenges to overcome, and many that we have already surpassed. We continue ahead with our statements and commitments, always ensuring they are in line with our values and principles.

Being true to ourselves is still the most valuable and gratifying part of this journey, we are praised for being who we are, for what we do, and how we do it. 2025 and the next few years might be very challenging, but rest assured that it will not change our commitments, principles, and values.

Editorial



By: **Ricardo Estrada**
VP Global Procurement and Sustainability

2024 was a challenging year for sustainability. Globally, a binding treaty was discussed to reduce plastic pollution, especially in marine environments. Ultimately the treaty has not been approved yet, but it has pushed the plastics industry to invest into becoming a more sustainable industry and highlighted the importance of having a scientific approximation quantifying the impact and benefits of plastic in our society. The traction generated so far, supported by consumers and responsible brands, has mobilized many countries to implement legislation that regulates plastics, including countries where Grupo Plastilene is present.

Closing 2024, the United States has moved forward in environmental regulation with the passage of EPR legislation in 5 states, 10 bottle bills, plastic bag bans in 8 states, single use plastic limitations in 12, and resin identification code requirements in 29 states. In Guatemala the National Agreement for Single Use Plastic was drafted. Ecuador passed a Ministerial Agreement of the Integral Management of Plastic Waste, as well as a Ministerial Agreement on Agricultural Plastic, and a bottle bill for PET bottles.

Colombia has started the process of enforcing its single use plastic prohibitions, strengthening its EPR program and the taxation of single use plastic. Due to the absence of rulemaking delineating the exceptions for sustainable products, such as products manufactured with 100% nationally produced PCR, or certified biodegradable products, this transition has been quite frantic. Our invitation to governments and fellow plastic supply chain members is that we support these legislations diligently and strongly; this regulatory framework promotes inversion and innovation in our sector.

At Grupo Plastilene we have been working with waste managers and clients to strengthen the agricultural plastic supply chain in Ecuador and promote the development of products with PCR in Colombia and Guatemala. During 2024 we commercialized 2.426 tonnes of Ciclolene PCR resins, produced in our Reciclene plant, and we commercialized more than 6.500 tonnes of packaging with as much as 100% PCR resins manufactured in Plastilene, Altalene, and Technofilms.

At the end of the year we were forced to face the changes in Ecoinvent's database and how it impacted the Life Cycle Analysis (LCA) of our products. We were certain that mobilizing the industry to ask for a solid scientific defense goes beyond promoting mechanical and advanced recycling technologies, manufacturing products with PCR, or decreasing the footprint of our products. We must understand how to respond to the mechanisms of evaluation of our products in a coherent and organized manner, with actions that support the environmental results of our products from the source, such as the way they are measured and interpreted. We must also participate in the conversations in other ways: what is being measured? Is this the correct methodology? Is it transparent? How do we guide our ecodesign changes to address the most relevant aspects? Scientific work must be done and come with concrete actions to have a positive impact, as well as to assertively communicate and educate about the environmental impacts of our products.

All of this to say that Grupo Plastilene sees itself as a mobilizing force that increases awareness through experience and creativity. We transform concepts into reality, in ways that are aligned to our core commitments: Circularity, Corporate Social Responsibility, the Environment, and our Portfolio. We also do so through our three main strategic pillars: Trust, Sustainability, and Innovation; we will focus on this last one in 2025 to strengthen the path that the Group has built itself on and together with the industry find solutions catering to societal and client expectations, as well as any challenges that may come, such as legislation and replacement of our portfolio in an ever changing world.

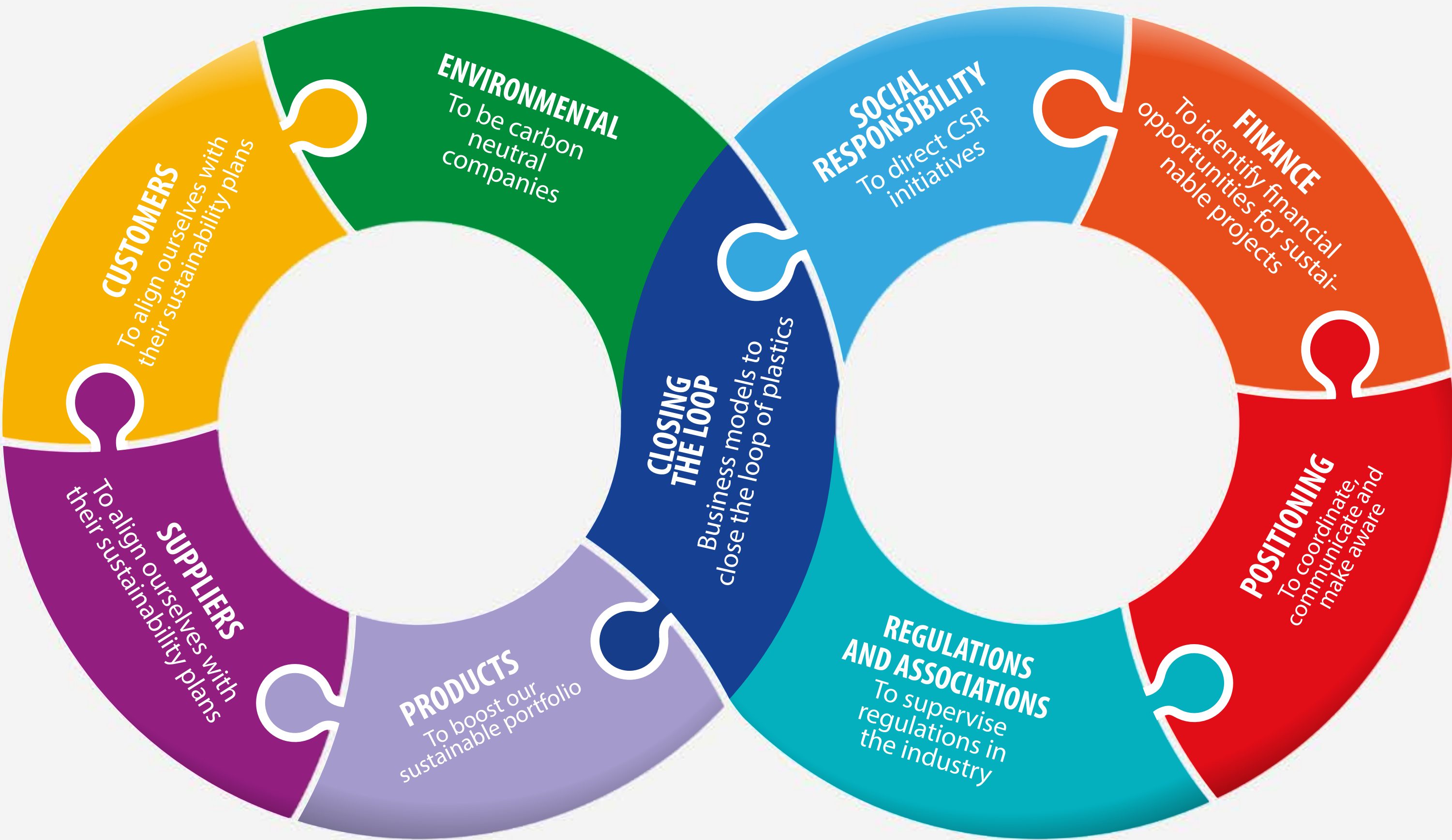
About us

1,100 staff involved
in sustainability

We operate four production plants. To serve markets in Bolivia, Peru, Chile, Mexico, El Salvador, Honduras, Costa Rica, Panama, Nicaragua, Belize, Paraguay, Uruguay, and Dominican Republic.



Sustainability strategy



Working toward the Sustainable Development Goals (SDGs) is part of our framework in every management line.

We organize this according to its materiality level, classified as follows:

Very material



Material



Sustainable Commitments



Circular Economy

[See the seal](#)

To facilitate the circular economy for plastics, the achievement of our customers' sustainable commitments, and compliance with legislation relating to our materials.



Environmental Commitment

[See the seal](#)

To be carbon-neutral companies and to contribute to ecosystem regeneration.



Sustainable Portfolio

[See the seal](#)

To develop and offer the market a competitive portfolio of sustainable products based on eco-design principles that will enable customers to achieve their corporate sustainability targets.



Social Commitment

[See the seal](#)

To be socially-responsible companies by providing our staff with wellbeing and supporting vulnerable communities in our areas of influence.

Financial data

Our economic results were as follows:

	2023	2024
EVG	834.183.251	841.374.455
EVD	749.676.438	781.390.933
EVR	84.506.813	59.983.522

VALUES IN COLOMBIAN PESOS

EVG: ECONOMIC VALUE GENERATED
EVD: ECONOMIC VALUE DISTRIBUTED
EVR: ECONOMIC VALUE RETAINED



Communications Timeline, 2024.

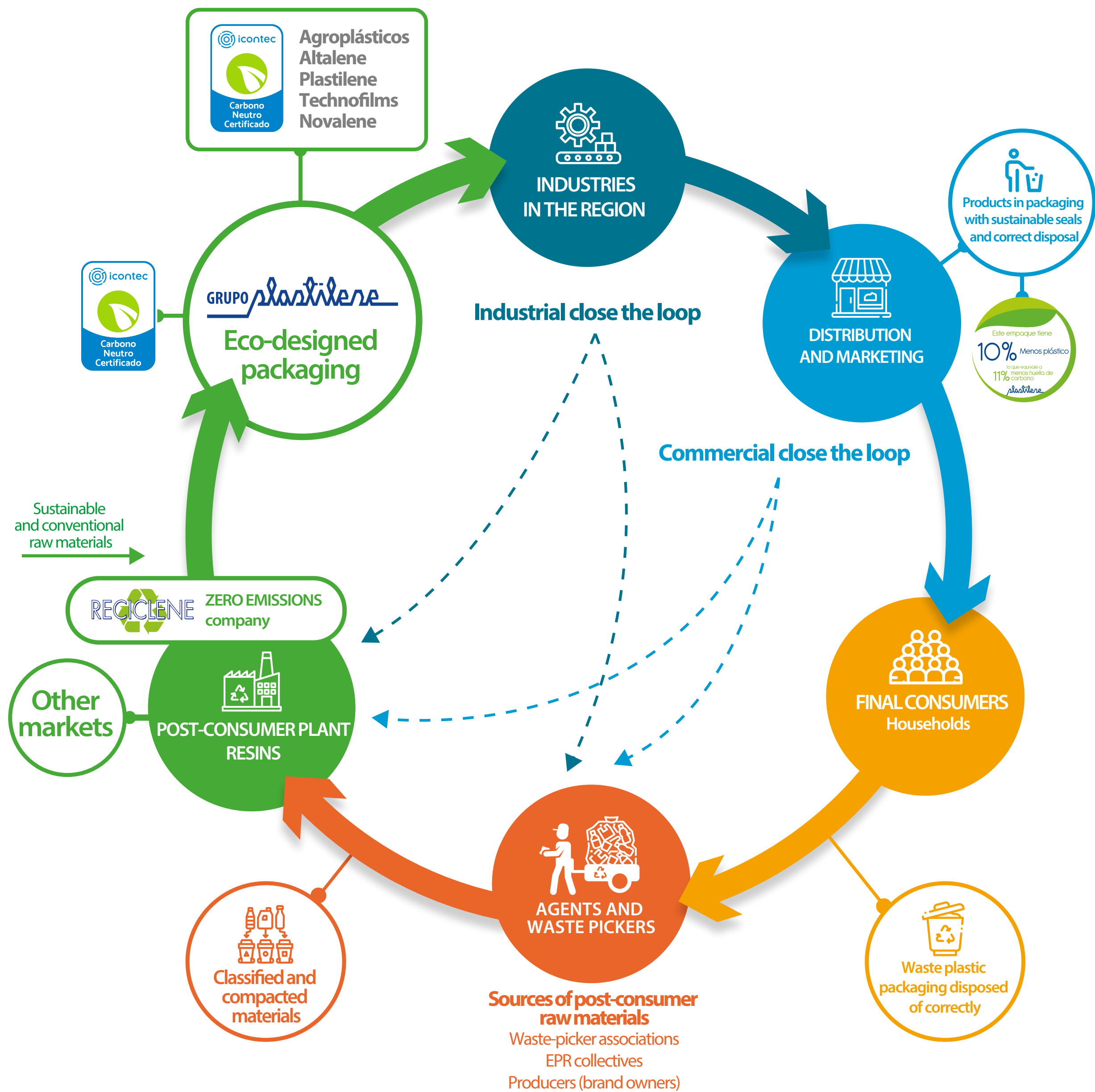
- At Altalene we received the “Headed Towards Environmental Excellence” certification from the District Environmental Secretariat.
- In Guatemala, we trained our team in Technofilms to adapt to new waste management legislation and to adopt more sustainable habits.
- ICAMA invited us to the first Sustainable Development Congress in Amatitlán, Guatemala.
- As part of the launch of the Plastics Pact, we reinforced our commitment to work towards a circular economy.
- During an academic session at INALDE we had the opportunity to share Grupo Plastilene’s case study.
- Reciclene, Plastilene and Altalene shared our PCR resins portfolio as well as our products that have incorporated recycled plastic at Colombiaplast 2024.
- Our VP of Sustainability represented us at the Plastic Recycling Conference in Texas
- For the first time in Chicago we were part of PackExpo where we showed our capabilities when it comes to innovation and our ongoing commitment to sustainability.
- We exhibited our Ciclolene PCR flexible packaging at the PPS 39 Conference in Cartagena.
- In Spain at Agricultural Film 2024 we shared our projects and developments in the agricultural sector.
- On the podcast Hablemos de Floricultura de Ecuador (Let’s talk about floriculture in Ecuador) we educated listeners about greenhouse plastic management and how it has to be treated as special waste within a circular economy.
- We were part of the third Seminario Hortofrutícola in Cauca.
- As part of SIFLOR we shared our innovations for the agricultural sector.
- Plastilene and Technofilms held their very first sustainable innovation fairs.
- Coca-Cola awarded us in the ESG (Environmental, Social and Governance) area.
- Our client GHT invited us to participate at their Polyethylene School.
- To educate our followers on social media and our partners we shared clear and useful information regarding the Colombian Resolution 803 of 2024.



Sustainable Commitments

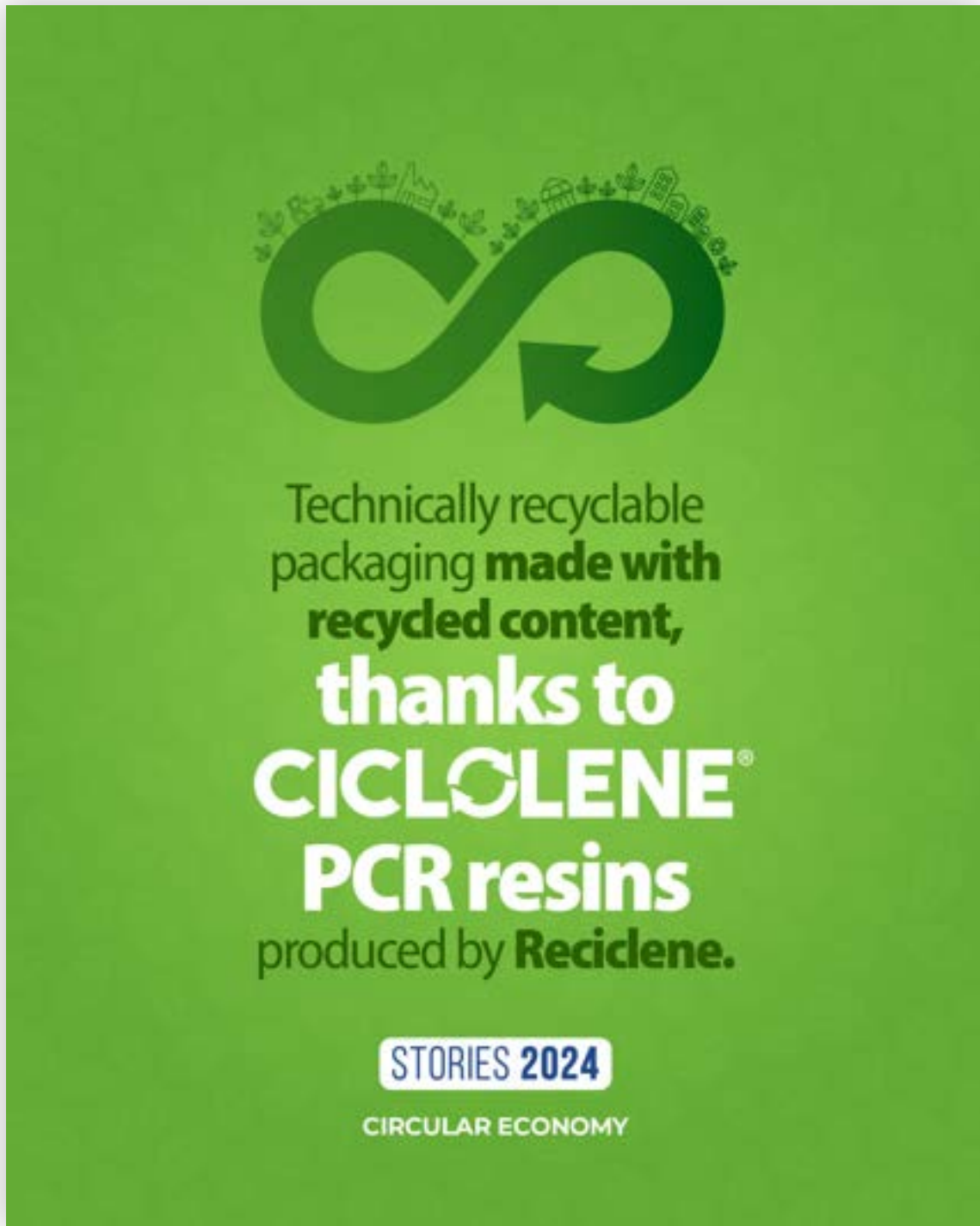


To facilitate the circular economy for plastics, the achievement of our customers' sustainable commitments, and compliance with legislation relating to our materials.



The circular economy is making progress in the dairy market!

Colanta launches secondary packaging with recycled content.



We achieve circularity in plastics, now in Ecuador too!

At Agroplásticos, as agricultural plastic producers, we have partnered with waste pickers to make circularity a reality.



Sustainable Commitments



To be carbon-neutral companies and to contribute to ecosystem regeneration.



**We achieved
our goal from
5 years ago!**
We managed to reduce
our specific emissions
by at least 30 %.

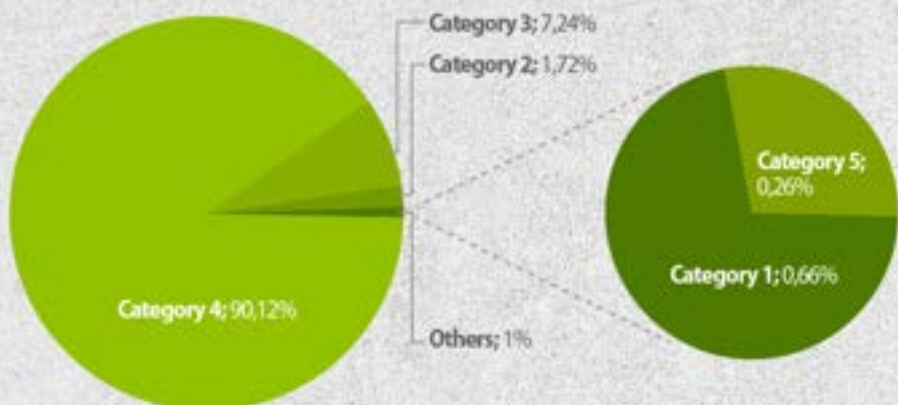
Considering direct emissions, indirect emissions from energy consumption (including the supply of renewable energy with I-REC certificates), transportation, material use, and life cycle, **we reached a total of 212,282.57 tCO₂e/year***

*Tons of CO₂ equivalent per year

STORIES 2024
ENVIRONMENTAL COMMITMENT



The next challenge is the **indirect emissions**, which represent **94.70 %** and are beyond our direct control.



Category	Percentage
Category 4	90.12%
Category 3	7.24%
Category 2	1.72%
Category 1	0.66%
Category 5	0.26%
Others	1%

GHG Emissions
(considering I-REC)

STORIES 2024
ENVIRONMENTAL COMMITMENT

More sustainable suppliers drive more sustainable supply chains.



We are evaluating and advising all our suppliers so that they can be aware of their impacts and can identify areas for improvement to implement actions and reduce their carbon footprint.

STORIES 2024
ENVIRONMENTAL COMMITMENT

Sustainable Commitments



To develop and offer the market a competitive portfolio of sustainable products based on eco-design principles that will enable customers to achieve their corporate sustainability targets.



**We
accepted the
challenge!**
We have a
high-performance
monomaterial
laminated packaging.



After two years committed to
**innovating and
designing a new**
100% PE (polyethylene)
packaging, we have successfully
proven its functionality as a
stand-up pouch.

STORIES 2024

SUSTAINABLE PORTFOLIO



With the support
of DOW, our supplier, we conducted
rigorous tests at their Texas innovation
center, Pack Studios.

STORIES 2024

SUSTAINABLE PORTFOLIO



We combined Dow's raw materials and
**our technological
development**
to test our monomaterial packaging. We tested
our polyethylene zipper on a state-of-the-art
horizontal packaging machine.
We will continue bringing innovative solutions
on monomaterials.

STORIES 2024

SUSTAINABLE PORTFOLIO

Sustainable Commitments

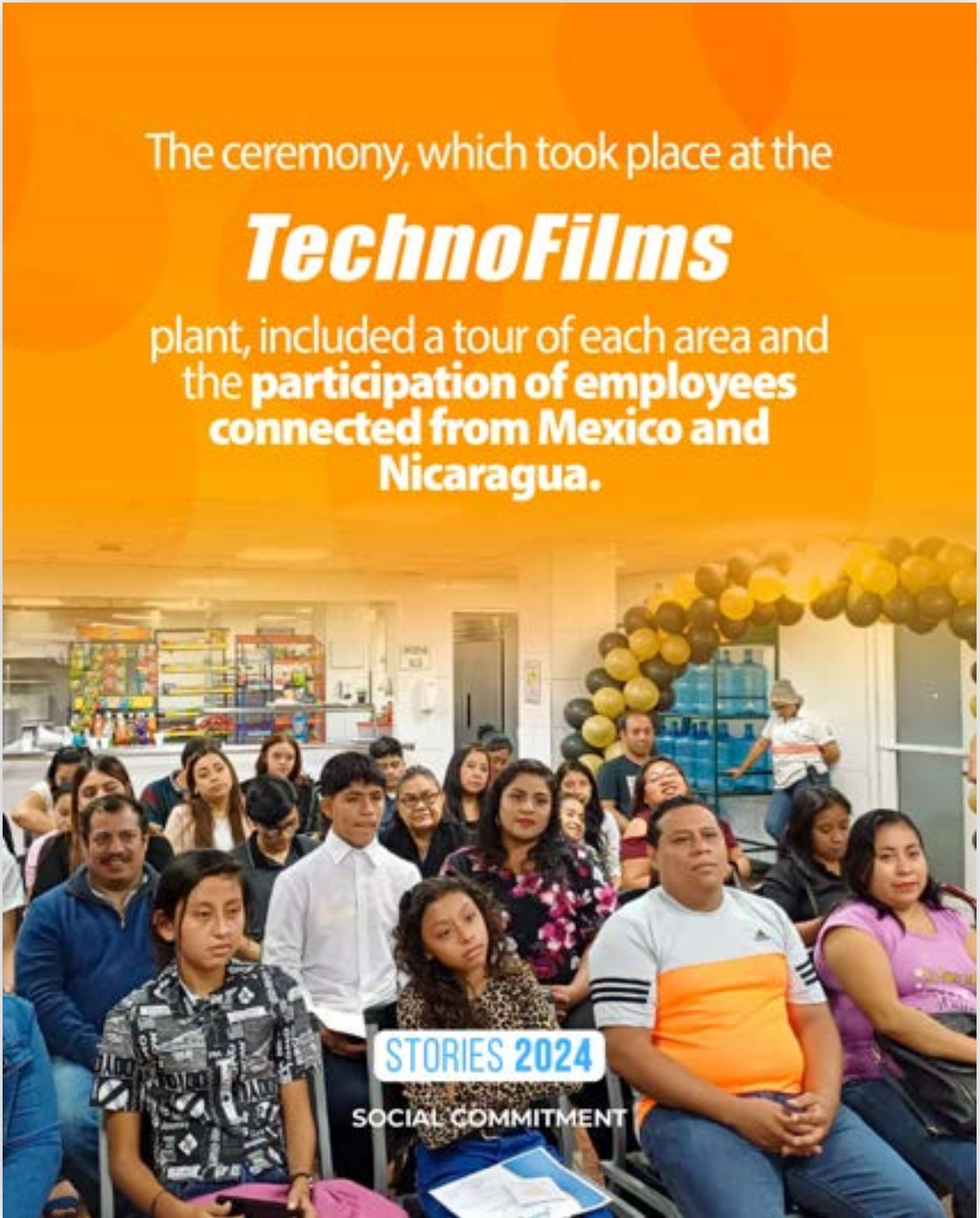
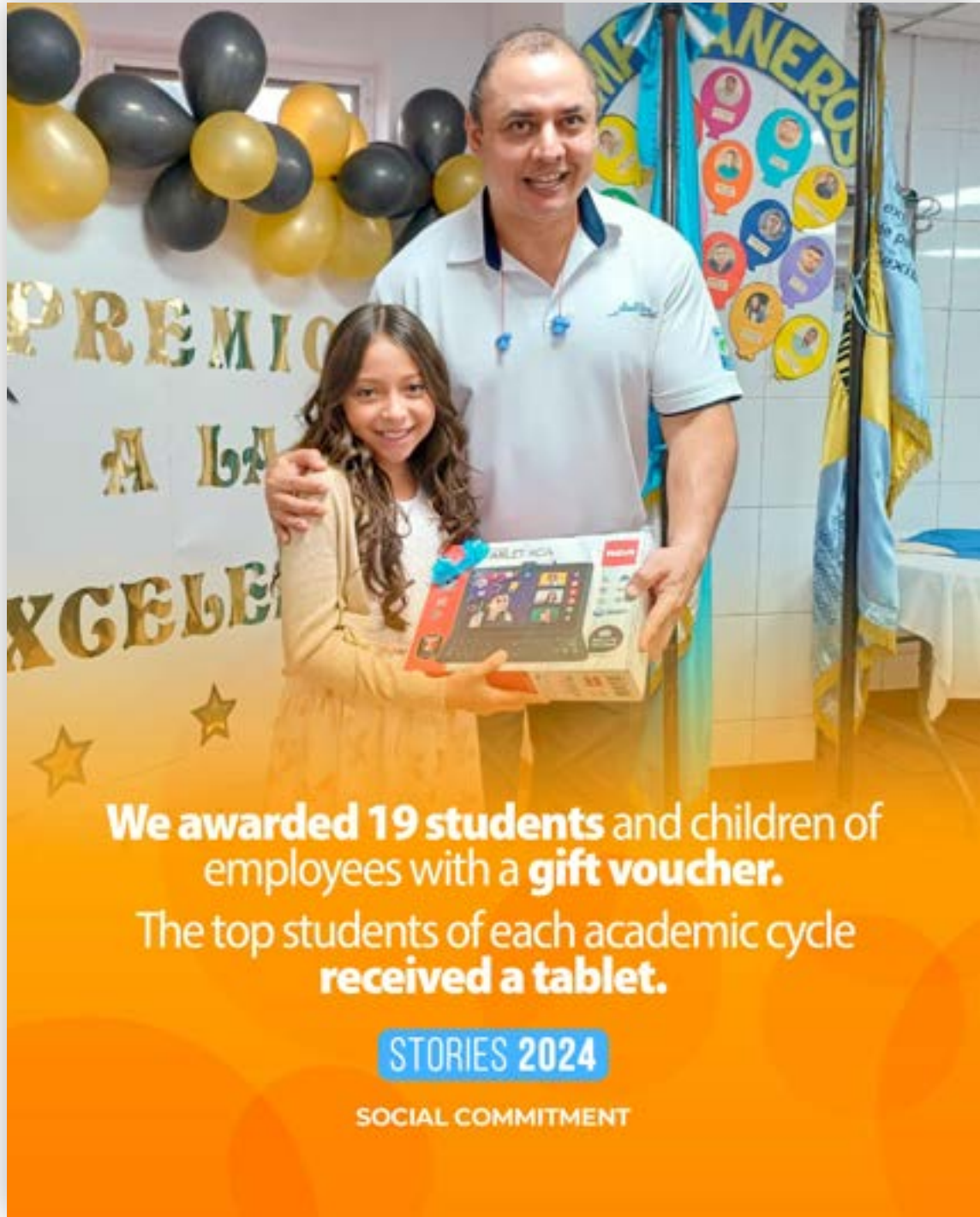


To be socially - responsible companies by providing our staff with wellbeing and supporting vulnerable communities in our areas of influence.



Let's
celebrate
academic
excellence

We're proud to see
our employee's
children shine.



We are committed
supporting the professional and personal growth of our employees!

Second cohort! *

In 2024, 26 women, wives, daughters, and mothers of our employees **graduated from the doll-making course.**



*The first cohort was from the beauty course

STORIES 2024

SOCIAL COMMITMENT

These courses are possible thanks to the partnership with our compensation fund

CAFAM

They allow us to foster the **skills of these women** to start their own businesses and access more job opportunities.

STORIES 2024

SOCIAL COMMITMENT

In the words of the graduates, **this course allowed them to:**

- ✓ Start a business and network with other women
- ✓ Teach others
- ✓ Break out of the routine
- ✓ Discover crafting skills they had



STORIES 2024

SOCIAL COMMITMENT

A memorable day!

Technofilms opens its doors and its heart to the children of Nuestra Sagrada Familia (NSF).



NUESTRA SAGRADA FAMILIA
CENTRO DE CUIDADO INFANTIL

12 children from the NSF Foundation visited our plant to learn about the process of producing food packaging.

STORIES 2024

SOCIAL COMMITMENT

They were excited to see what was in the plant!



The small lentils (resins) are used to create large rolls of plastic that are then transformed into packaging for food items like milk, cereals, and beans - a discovery that surprised the children.

STORIES 2024

SOCIAL COMMITMENT



The children were greatly impressed by the visit, and one expressed a desire to become an engineer and work in a plant as large as Technofilms.

STORIES 2024

SOCIAL COMMITMENT

Bringing families together for a cleaner beach.



Sustainability activities in 2024 started for **Technofilms** with a **cleanup day** at the public beach of Amatlán, the municipality where our plant is located.

STORIES 2024

SOCIAL COMMITMENT

45 people, including employees and their families, **joined this environmental cause!**

We had the support of ICAMA and the Municipality of **Amatlán**. The collected waste was taken to the **transfer center** to sort recyclable materials.

 **ICAMA**

STORIES 2024

SOCIAL COMMITMENT



Being part of ICAMA allows us **to engage with the community** where we operate, the municipal government, and the business sector.



STORIES 2024

SOCIAL COMMITMENT

Agroplásticos
donated a
water tank
to a school!



Didactic tour at our plant with Explora Plastilenitos!



What do we do during these visits?

Children and teenagers explore our world, observing innovation in action and discovering plastics' versatility.

But above all, they learn about the valuable role their parents play at Grupo Plastilene.

SOCIAL COMMITMENT



Second successful visit to Plastilene

On October tenth, 55 children came with their parents to the second visit this year of our Soacha Plant. We have welcomed a total of 105 little explorers in 2024.

STORIES 2024

SOCIAL COMMITMENT



We invited the children of our administrative and operational staff to visit our facility in Soacha

STORIES 2024

SOCIAL COMMITMENT



Our social commitment reaches our employees and their families.

STORIES 2024

SOCIAL COMMITMENT

Mascot contest

Tiny artists with great ideas to support recycling.



This 2024, in **PLASTILENE CHAMPIONS LEAGUE** event, our employees' children joined us and **created mascots** made out of recyclable materials.

STORIES 2024

SOCIAL COMMITMENT



The **eco conscious and imaginative spirit of these children** shone through in each mascot!

STORIES 2024

SOCIAL COMMITMENT



WHO WON?

5 year old Matías, son of our coextrusion operator Mauricio González. His mascot "**Plastigol**" was the one chosen out of 19. It excelled in the following criteria:



The mascot was made with recyclable materials.



It was made by the child themselves



It showcased creativity in referencing the sports tournament

STORIES 2024

SOCIAL COMMITMENT

**Pacini
Awards:**
Better homes and
stronger families.



In 2024 we granted **29 Pacini Awards** to Plastilene and Novalene employees:

-  **3 Homes**
-  **15 Mortgage payments**
-  **11 Home improvements**

SOCIAL COMMITMENT



The well-being of children moves us

We celebrate Children's Day with the Chirijuyú Village in Guatemala.



Our employees joined the women's race in Bogotá.






Carrera
de la Mujer

With the goal of promoting physical activity amongst the women of Grupo Plastilene, we sponsored their participation at **Women's Race 2024** at the Simón Bolívar Park.

STORIES 2024

SOCIAL COMMITMENT



This race has a strong emphasis on breast cancer prevention, gender equality, and women's rights in recreational activities and the sports world.

STORIES 2024

SOCIAL COMMITMENT



We received positive feedback

26 women from Plastilene, Altalene, and Recidene surpassed their own personal goals, participating in the 5k and 10k race.

STORIES 2024

SOCIAL COMMITMENT

Tribute to our
people, our
greatest pride.

QUINQUENIOS
2024

In 2024 we celebrated
129 of our employees:

- Plastilene 85
- Novalene 2
- Altalene 10
- Interplast 2
- Reciclene 11
- Technofilms 17
- Agroplásticos 2

STORIES 2024
SOCIAL COMMITMENT



MEET THE
EMPLOYEES!

STORIES 2024
SOCIAL COMMITMENT

Social Responsibility in Ecuador.



We are committed to supporting vulnerable communities, as well as those near our facilities. We work to improve their wellbeing as well as donate our time volunteering.

STORIES 2024
SOCIAL COMMITMENT

This is how we do it at Agroplásticos

Grupo Plastilene delivered pantry items and our employees donated toys in **Latuncunga, Cotopaxi**. Alongside the San José Patronage we supported 22 senior citizens. We organized a Holiday event with our employees where we delivered pantry items and candy.



STORIES 2024
SOCIAL COMMITMENT



Rumihurco
Alongside the San José Patronage, we supported 22 senior citizens. Together with our employees we organized a Holiday event where we delivered the pantry items and candy.

STORIES 2024
SOCIAL COMMITMENT

Sustainability report 2024

Plastilene Group

GRI Table 2024