



# SUSTAINABILITY REPORT

**BUILDING A SUSTAINABLE FUTURE**

REPORT 2023



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# Objective

The goal of this Sustainability Report is to provide a comprehensive and transparent view of SAI's sustainability efforts and achievements during the period from January to December 2023. This document aims to:

-  **Inform Our Stakeholders:** Communicate with our clients, employees, partners, and community about our sustainable practices and the positive impact of our activities on society and the environment.
-  **Evaluate and Improve:** Assess our current strategies and operations to identify areas for improvement and ensure we continue making progress toward our sustainability goals.
-  **Demonstrate Our Commitment:** Showcase our commitment to environmental protection, responsible resource management, and contributing to the United Nations Sustainable Development Goals (SDGs).
-  **Promote Transparency:** Provide clear and accurate data on our initiatives, allowing for an objective evaluation of our sustainability performance.
-  **Inspire Others:** Serve as a model for other companies in the industry, demonstrating that sustainability can be effectively integrated into daily operations and contribute to a greener, healthier future.

Through this report, we aim not only to reflect our actions and achievements but also to inspire positive change within our industry and beyond by promoting sustainable practices that benefit present and future generations.



# Organization

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# About Us

We are an environmental contracting firm specializing in the supply and installation of geosynthetic products. Our focus is on excelling in complex, high-volume projects.

## **Beyond construction, we are dedicated to conservation.**

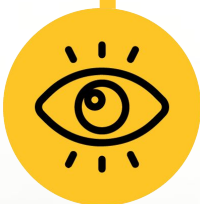
Each project reflects our commitment not only to our clients but to the planet we all share. We envision a future where sustainability is not an option but the core of all our construction decisions.

With decades of experience, our work is driven by precision, a passion for excellence, and a deep belief in what we do.



### **Mission**

To lead the transformation toward a more sustainable industry through innovative geosynthetic solutions and materials that protect the environment, optimize natural resources, and promote sustainable construction practices, thereby enhancing quality of life and preserving the planet for future generations.



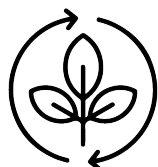
### **Vision**

To be recognized as the global leader in sustainable environmental solutions. We aspire to set new sustainability standards in the industry by promoting technologies and practices that minimize environmental impact and maximize social and economic benefits.

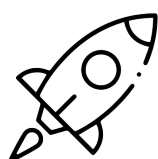


# About Us

## Values



**1. Sustainability:** We value environmental protection and are committed to implementing sustainable practices in all our operations.



**2. Innovation:** We foster creativity and innovation to develop advanced solutions that address today's and tomorrow's environmental challenges.



**3. Excellence:** We strive for excellence in every project, ensuring quality, efficiency, and effectiveness in our solutions and services.



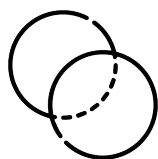
**4. Responsibility:** We act with integrity and responsibility, adhering to the highest ethical and legal standards in all our activities.



**5. Collaboration:** We promote a collaborative work environment where respect, open communication, and teamwork are essential for success.



**6. Social Commitment:** We are committed to making a positive contribution to the communities in which we operate, generating beneficial social and economic impacts.




**7. Transparency:** We believe in the importance of transparency and accountability, maintaining open and honest communication with all our stakeholders.



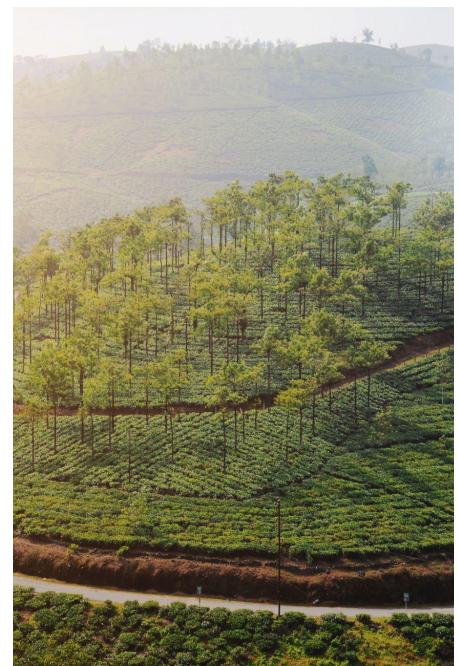
# SAI in Numbers

At SAI, our numbers are a testament to our firm commitment to sustainability, excellence, and innovation. They not only illustrate our growth and reach but also reflect our dedication to providing solutions that create a positive impact on the environment and the communities where we operate. Every project we undertake is an opportunity to strengthen our commitment to a greener future, promoting a balanced environment.

**Below, we present some key data that highlight our positive impact and the achievements we have accomplished to date.**

 **33,352,236**  
SQUARE METERS

Of geosynthetics installed, protecting soils and water resources in various projects.



 **30**  
+ YEARS

Combined in the team, guaranteeing a knowledge deep and specialized in construction solutions

 **1500**  
PROJECTS

 **10**  
COUNTRIES

In which operate, carrying our solutions innovative to an global audience.

 **2**  
CERTIFICATIONS

ISO 9001 and AIC (IAGI) that endorse our commitment to the highest standards in all our operations.

# Motivation

At SAI, we are driven by a deep commitment to protecting the environment and promoting sustainable practices throughout our operations. Every day, we work to create solutions that not only meet our customers' needs, but also contribute to a greener, healthier future.

## ✓ Environmental commitment

We firmly believe in the importance of preserving our natural resources for future generations. This conviction drives us to develop and apply innovative technologies that minimize the environmental impact of our activities and protect soil, water and biodiversity.



## ✓ Constant innovation

The constant search for new and better ways to carry out our activities is a pillar of our philosophy. We are dedicated to exploring and adopting new technologies and innovative methods, always with the goal of improving efficiency and sustainability in all our projects. We strongly believe in the importance of staying at the forefront of technological advances and industry best practices. This dedication to innovation allows us to deliver high quality services that meet the evolving needs of our clients, thus ensuring a positive and lasting impact on the community and the environment.





# Motivation

## ✓ Social responsibility

We are aware that each of our actions has a significant impact on the communities where we operate. For this reason, we assume a firm commitment to always act in an ethical and responsible manner, with the objective of ensuring that our activities generate benefits for both the environment and the people who make up these communities.



## ✓ Leadership and sustainability

We aspire to be leaders in the sustainability industry. Our goal is not only to meet current standards, but to set new benchmarks in environmental protection and sustainable development.

## ✓ Positive Impact

We are motivated by the knowledge that every project we complete has the potential to generate a tangible positive impact. From protecting water resources to reducing greenhouse gas emissions, every effort counts toward making the world a better place.




Our motivation is reflected in every decision we make and every project we undertake. At SAI, we are not only dedicated to fulfilling our commitments, but we also strive to exceed expectations in every initiative we undertake. We work with the conviction that every small action can contribute to a greater positive impact. That is why we are committed to driving meaningful change toward a more sustainable and resilient future for all, ensuring that our actions today contribute to a better world for generations to come.

## Model

At SAI, we pride ourselves on being a company firmly committed to sustainability and environmental protection. Our approach is aligned with the UN Sustainable Development Goals (SDGs), and we work tirelessly to ensure that each of our projects makes a significant contribution to a greener, healthier future. We believe that our role is essential in creating a world where future generations can enjoy a thriving and balanced natural environment.

At SAI, we strive to develop innovative solutions that not only protect soil and water resources, but are also fundamental to the preservation of biodiversity and human life. We understand that environmental protection goes beyond our daily operations; it is a comprehensive commitment that encompasses all aspects of our business. From implementing advanced technologies to promoting sustainable practices, every action we take is designed to minimize our environmental impact and maximize ecological benefits.

A horizontal yellow line with a small yellow circle at its left end, positioned above the text.

**With each project, we reinforce our dedication to creating a positive and lasting impact on the planet.**





# SAI MODEL

## Environmental solutions

we are committed to bringing to market geosynthetic materials that have less environmental impact, such as those that are biodegradable or made from recycled materials.

- ✓ **Soil protection**  
Prevention of seepage of polluting liquids into the soil and water bodies.
- ✓ **Water loss prevention**  
Optimizing the use of water resources, decommissioning of reservoirs
- ✓ **Caps & closure**  
Reduction of greenhouse gas emissions into the atmosphere
- ✓ **Secondary containment**  
Erosion and landslide risk mitigation.

## Reducing our impact

- ✓ **Renewable energy and increased energy efficiency**  
Implement renewable energy sources such as solar panels to reduce electricity consumption in our facilities and work sites and to implement more efficient internal combustion equipment in our construction processes.
- ✓ **Transportation optimization**  
Introduce high-efficiency or hybrid vehicles for the transportation of our products, personnel and materials and optimize logistics routes to reduce fuel consumption.
- ✓ **Waste management**  
Create the most robust waste management program focusing on the reduction, reuse, and recycling of materials at both office and facility sites.
- ✓ **Education and training**  
Train staff on sustainable and resource-efficient practices and foster a culture of sustainability within the organization.



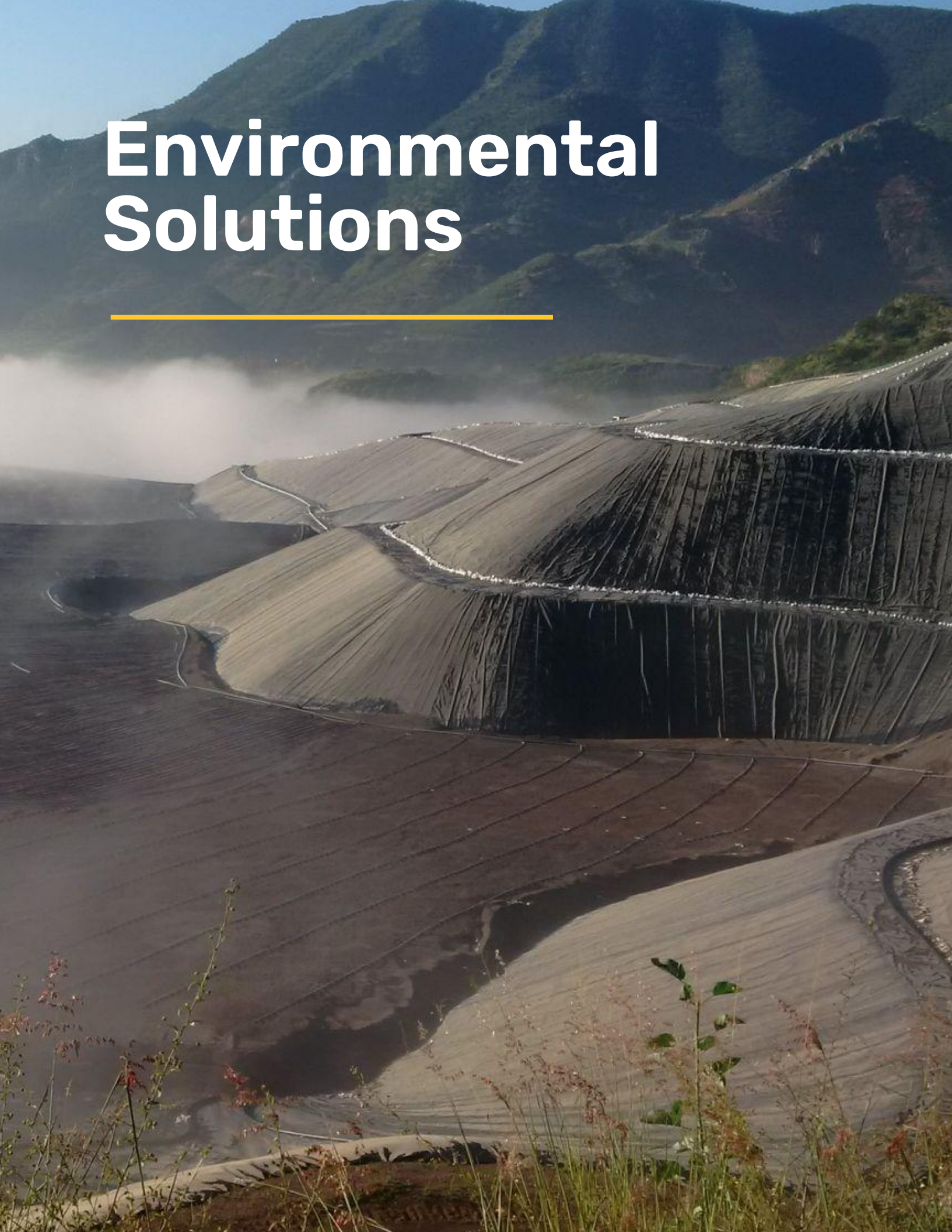
## Helping our communities

- ✓ **Corporate volunteering**  
Encourage employee participation in environmental and community volunteering activities, promoting a greater connection and commitment to local communities.
- ✓ **Strategic alliances**  
Form alliances with NGOs and community organizations to broaden the impact of sustainability initiatives and gain additional support and expertise.
- ✓ **Transparency and communication**  
Keep the community informed about sustainability projects and achievements through regular reports and community events to strengthen trust and collaboration.



# Environmental Solutions

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In order to summarize the results achieved during 2023 in relation to the execution of geosynthetics installation or rehabilitation projects, the following is a detailed analysis of the projects carried out, their impact and the benefits generated. Throughout 2023, we carried out a total of 31 projects related to the installation or rehabilitation of geosynthetics. These projects cover a wide range of applications, such as improving waste management infrastructure, protecting water resources, and preventing erosion in various geographic areas.

Each of these projects has not only contributed to improved environmental quality and safety, but has also generated significant economic and social benefits for the communities involved, demonstrating SAI's commitment to sustainability and innovation.


### Scope and benefits

The successful implementation of these projects has allowed the installation or rehabilitation of a total of **2,428,157.58 square meters of geosynthetics**.


Our projects are divided into four main areas, each designed to meet specific needs and ensure effective results, thus contributing to the reduction of environmental impact:


**SOIL PROTECTION**  
Prevent the seepage of polluting liquids into the soil and water bodies.



**CAPS & CLOSURE**  
Reduction of greenhouse gas emissions into the atmosphere.



**WATER LOSS PREVENTION**  
Optimize the use of water resources.



**BUILDING PROTECTION**  
Mitigate the risk of erosion and landslides.

## Impact per solution

During 2023, 2,428,157.58 m<sup>2</sup> of geosynthetics were installed and/or repaired in a total of 31 projects, of which 11.3% were for soil protection projects, mitigating the risk of soil and groundwater contamination.

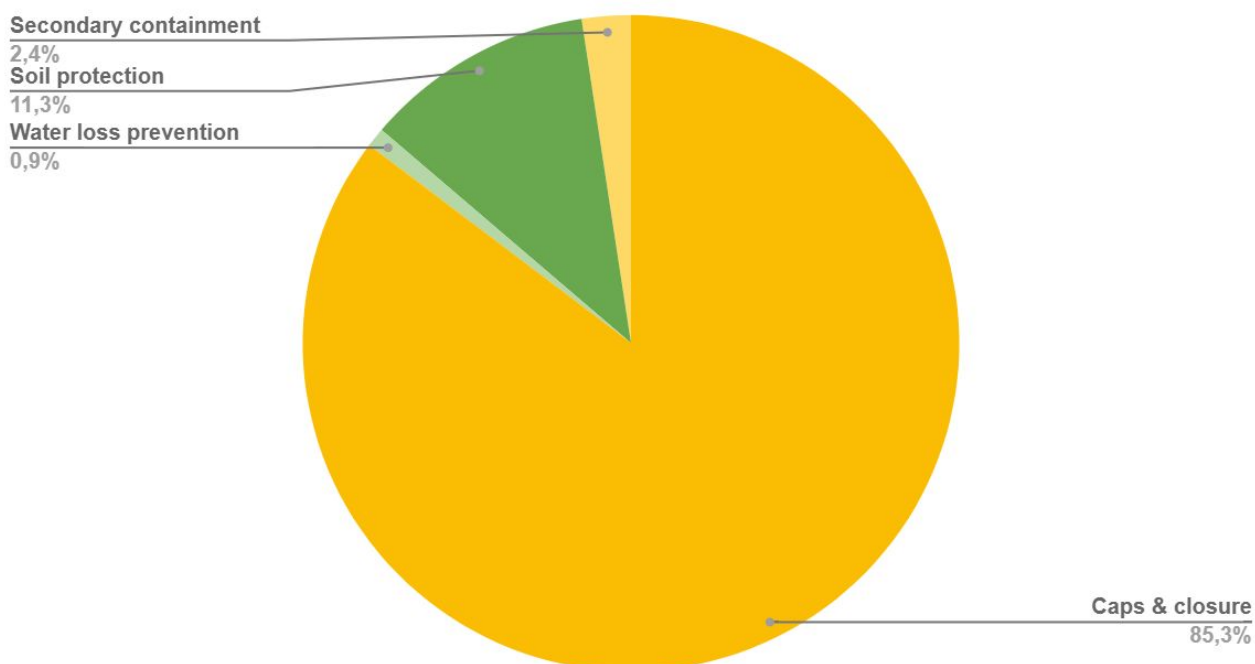
**0.9%** were installed in projects that focused on **water containment**, facilitating the efficient management of water resources.

**2.4%** of geosynthetics were installed in projects for the **protection of buildings** by reinforcing vulnerable structures, with 58,500 m<sup>2</sup>.

Finally, **85.3%** of geosynthetics were installed in projects that contributed to the **deposit closure**, with 2,071,538.92 m<sup>2</sup>, minimizing negative environmental impacts and promoting the recovery of affected areas.

These results underscore our commitment to projects that not only meet the technical needs of our customers, but also generate a measurable positive impact on the protection of natural resources and the promotion of sustainable practices.

## Impact per solution



## Soil protection

At SAI, we are dedicated to promoting sustainable practices through innovative solutions for soil protection. We focus on developing and applying advanced technologies that ensure environmental integrity in various industries, thus guaranteeing long-term sustainability and the protection of natural resources.

Heap leach mines typically use approximately 5,000 kilograms of sodium cyanide per hectare per year for the extraction of precious metals. If we consider a mining operation covering an area of 40 hectares, the amount of sodium cyanide required increases significantly.

In this case, the total amount used annually would be 200,000 kg, which is equivalent to 200 tons of sodium cyanide. Careful and responsible cyanide management is crucial to minimize environmental impacts and ensure the safety of both workers and communities near mining areas.



Without proper containment, this toxic chemical can pose significant risks to the environment, including soil degradation and water contamination. These risks not only affect the quality of the environment, but can also have serious consequences for ecosystem health and biodiversity. Soil degradation can lead to the loss of essential nutrients and a reduction in the agricultural capacity of the land, while water contamination can affect both drinking water sources and aquatic habitats.



## Soil protection

To mitigate these risks, it is essential to implement effective containment measures. Our solutions are based on the use of geosynthetics, which are specifically designed to act as a critical barrier, preventing cyanide and other hazardous substances from leaching into the ground. These materials are essential for the protection of vital natural resources by preventing contaminants from entering the soil and reaching groundwater sources.

By implementing these geosynthetics, SAI not only ensures compliance with environmental regulations, but also demonstrates a proactive approach to sustainability. Our efforts directly contribute to reducing the ecological footprint of mining activities and promoting safer, cleaner and more sustainable mining operations.

Our practices align with several United Nations Sustainable Development Goals (SDGs), including:



**6** CLEAN WATER AND SANITATION



### **SDG 6 - Clean water and sanitation**

We strive to prevent the contamination of water sources by toxic chemicals, thus ensuring the availability and sustainable management of water for all.

We implement advanced technologies that purify and conserve water, ensuring that future generations can access this vital resource in optimal conditions.

## Soil protection



### **SDG 12 - Responsible production and consumption**

We promote the environmentally sound management of chemicals and waste through the use of our geosynthetics. These innovative barriers are crucial to reducing the release of pollutants into the air, water and soil, encouraging production and consumption practices that minimize environmental impact and contribute to a sustainable product life cycle.



### **SDG 15 - Terrestrial ecosystem life**

We are dedicated to protecting soil health and preventing land degradation, which is essential for the sustainable use of terrestrial ecosystems. Our solutions are designed to maintain soil fertility, preserve biodiversity and ensure that terrestrial ecosystems can continue to provide vital services for humanity and the planet.

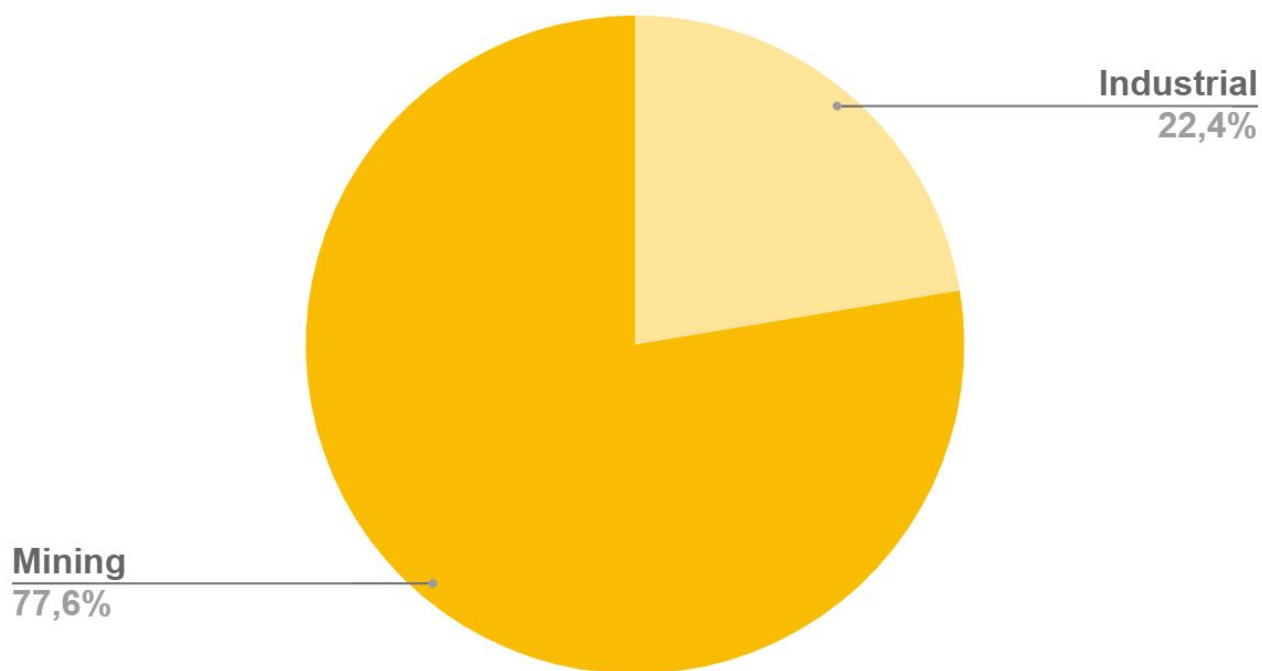
Through these actions, we demonstrate our commitment to sustainable development that benefits both the environment and society. At SAI, we work tirelessly to integrate these principles into each of our projects and operations, thus contributing to a healthier and more balanced future for all.

## Soil protection

At SAI, we are dedicated to promoting sustainable mining practices through innovative environmental protection solutions. As part of our commitment, during 2023 we will install an average of 275,060 square meters of geomembrane per year. These high-quality geomembranes are crucial to protect soil and aquifers from contamination in heap leach operations.

Of the total number of geosynthetics installed in the 11 soil protection projects we carried out during 2023, **77.6%** were in the **mining industry**, while the other **22.4%** were in the **industrial sector**.

### Impact per solution



 **275,060**  
SQUARE METERS

Of geosynthetics installed for soil protection in industrial and mining projects by 2023.



## Water containment

Mexico is currently facing one of the most critical situations in terms of water stress worldwide. This crisis is exacerbated by the fact that the agricultural sector is the largest consumer of water in the country using more than 76% of the total available. The problem is further exacerbated by inefficient practices in both water storage and irrigation, which not only contribute to the waste of the resource, but also negatively impact the long-term sustainability of the supply. Therefore, it is necessary to implement solutions that improve water use efficiency in communities and across industries.

During 2023, we carried out a total of 14 projects dedicated to water containment in different regions of Mexico and Guatemala. These include lining and maintenance work on ponds and artificial lakes. In these projects, we installed a total of 23,058.58 square meters of geosynthetics, which played a crucial role in the containment and management of 29,975.70 cubic meters of water.

These efforts represent our commitment to environmental sustainability and the efficient management of water resources in the communities where we operate. In addition to providing effective water containment solutions, each project was carried out to the highest quality standards and with a focus on minimizing environmental impact.

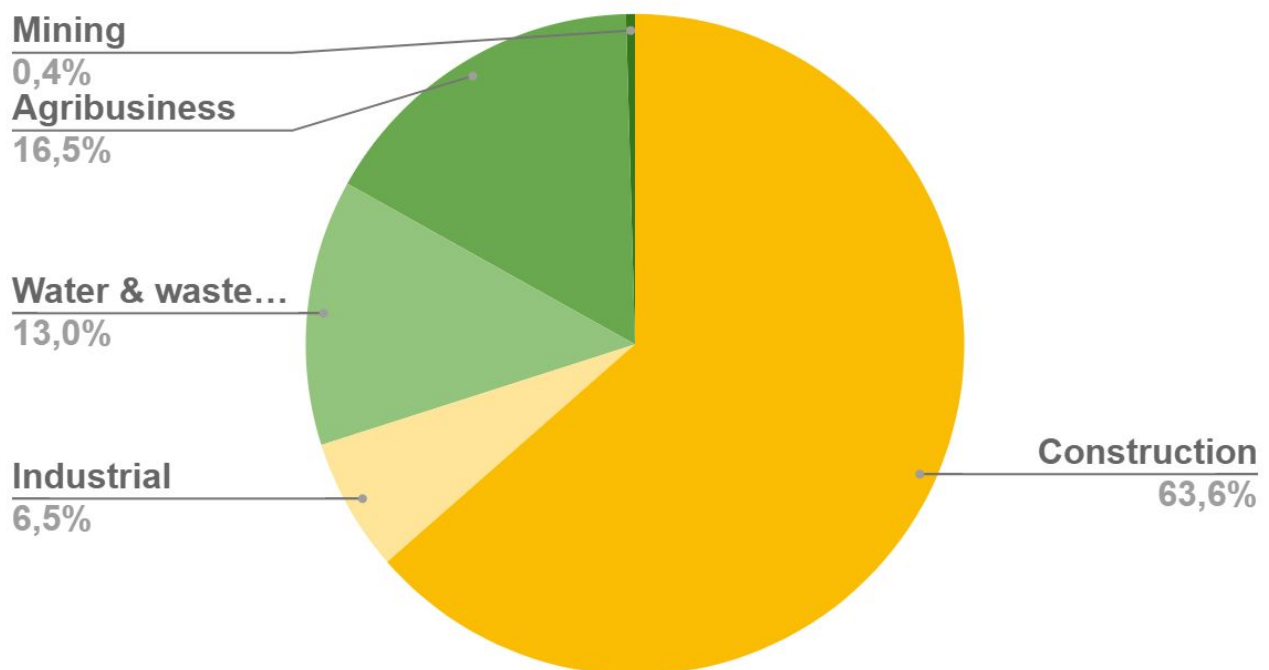


Through these initiatives, we have not only strengthened water infrastructure in affected areas, but also contributed to improving our ability to respond to potential environmental challenges. We will continue to advance our commitment to implementing innovative and sustainable solutions that benefit communities and the environment in the future.

## Water containment

In 2023, our water containment solutions had a significant impact in various regions of Mexico thanks to the fact that 63% of the geosynthetics we installed were in construction projects, while 6.5% were used in industrial projects. On the other hand, 13% of the geosynthetics went to projects related to water and wastewater management, underscoring the need for efficient solutions for water resource management, and 16% to agro-industrial projects, and 0.4% of the geosynthetics were used in mining.

### Impact per solution



**m<sup>2</sup>** **23,058**  
**SQUARE METERS**

Of geosynthetics installed for water containment in various industries during 2023.

## Deposit closure

At SAI, we are proud to be a leader in the field of landfill lining, a critical part of effective solid waste management. We understand the importance of proper waste management to protect the environment. Our systems are designed to prevent the leaching of leachate, liquid substances that are generated from waste and, if left uncontrolled, have the potential to contaminate both soil and nearby bodies of water. By preventing these contaminants from reaching aquifers, we not only help to keep water clean and safe for human consumption, but also contribute to the protection and preservation of biodiversity, both aquatic and terrestrial. Our commitment is clear: to provide innovative and effective waste management solutions that promote long-term sustainability and environmental well-being.

### **Relevant Project: Bordo Poniente Closure.**

We are proud to present our successful Bordo Poniente landfill closure project, carried out during 2022 and 2023. This project not only marks a significant milestone in solid waste management in Mexico City, but also makes a substantial contribution to climate change mitigation by capturing and controlling methane emissions, aligning with the ONU Sustainable Development Goals (SDGs) for 2030. In this important project, we laid the geomembrane layer, which is used to treat and conduct greenhouse gases to power generation systems.

The Bordo Poniente landfill is one of the largest in the world. Since its opening in 1985, it accumulated approximately 70 million tons of waste until its operational closure in 2011. During this period, it generated enormous amounts of biogas, mainly methane, a potent greenhouse gas.





## Deposit closure

The objective of the project was to encapsulate the waste, assuming that methane generation will continue until approximately 50 years after closure (2061). Using methane generation models and considering a capture efficiency of 75%, we estimate that from 2022 until the end of the landfill's useful life, approximately 2.61 billion cubic meters of methane will have been captured.



This figure represents a significant reduction in greenhouse gas emissions, contributing directly to the Sustainable Development Goals (SDGs).

### SDG 7 - Affordable and Non-Polluting Energy

The process of capturing and harnessing biogas as a renewable energy source plays a crucial role in the diversification of available energy sources. In addition, this practice contributes significantly to reducing our dependence on fossil fuels. By using biogas, we not only promote greater sustainability, but also encourage the reduction of greenhouse gas emissions, thus improving the quality of the environment and promoting a cleaner and more secure energy future. This strategy is essential for the transition to a more balanced and environmentally friendly energy model.



# Deposit closure

## SDG 11 - Sustainable Cities and Communities

Improving waste management and reducing methane emissions are crucial actions for creating cleaner, healthier and more sustainable cities in the long term. Implementing more efficient waste management measures and controlling methane release not only helps to maintain a cleaner urban environment, but also contributes significantly to sustainability and environmental well-being.



## SDG 13 - Climate action

Reducing emissions of methane, a highly potent greenhouse gas, is crucial to mitigating climate change and its impacts.

The Bordo Poniente landfill project, where SAI was the main contractor for the placement of the closure geomembrane, not only represents a significant advance in waste management in Mexico City, but also demonstrates a firm commitment to sustainability and the fight against climate change. By capturing and controlling methane emissions, we have made a significant contribution to the UN Sustainable Development Goals for 2030. With this project, we position ourselves as a leader in innovation and sustainability, promoting practices that protect our planet for future generations.

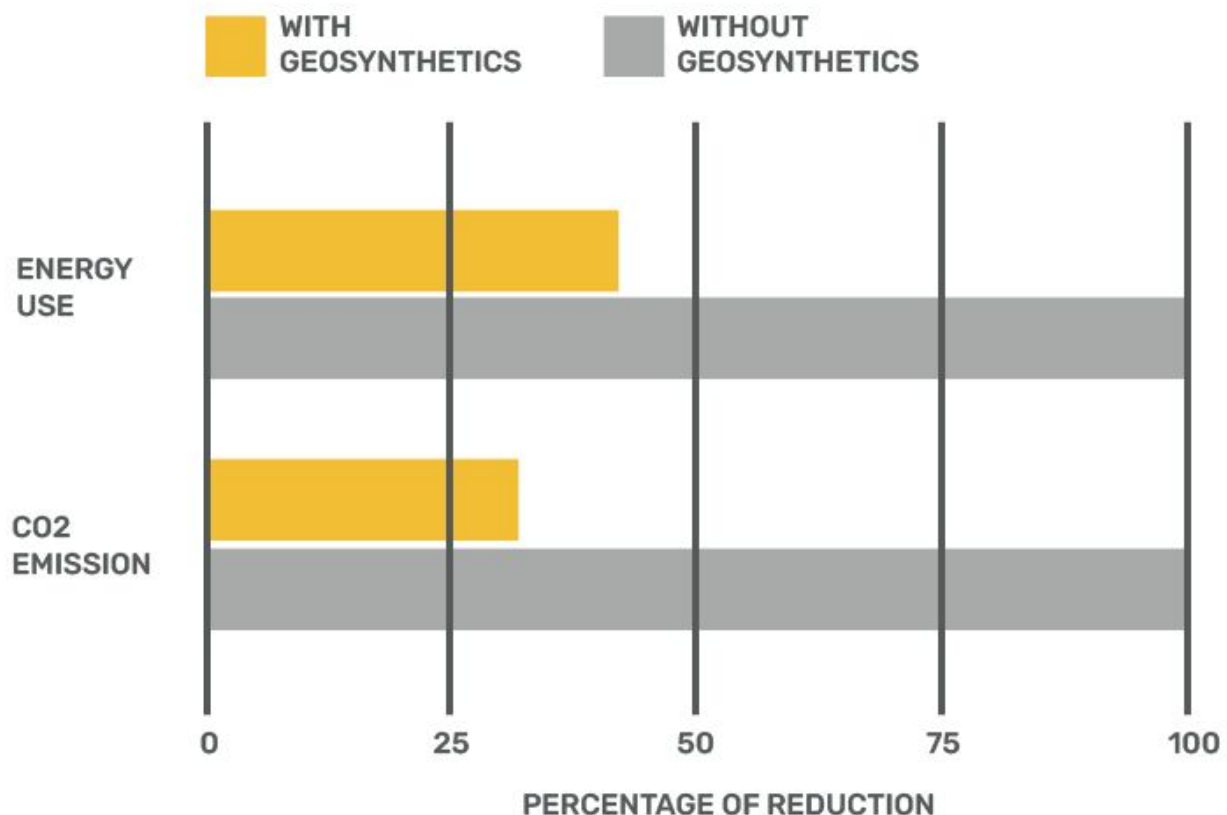




## Deposit closure

A geosynthetic capping layer has a 69% lower overall impact on climate change compared to a conventional capping layer due to a smaller environmental footprint of the construction process. In addition, a 67% reduction in CO<sub>2</sub> emissions is achieved, which equates to a saving of 220 tons of CO<sub>2</sub> equivalent for a typical landfill site of 30,000 m<sup>2</sup>. This data highlights the efficiency and sustainability of geosynthetics in environmental management and carbon footprint reduction in infrastructure projects.

The graph<sup>1</sup> below shows that the use of geosynthetics leads to a lower impact in almost all areas, reducing energy consumption and decreasing carbon impact, proving the sustainability of geosynthetics versus conventional methods.

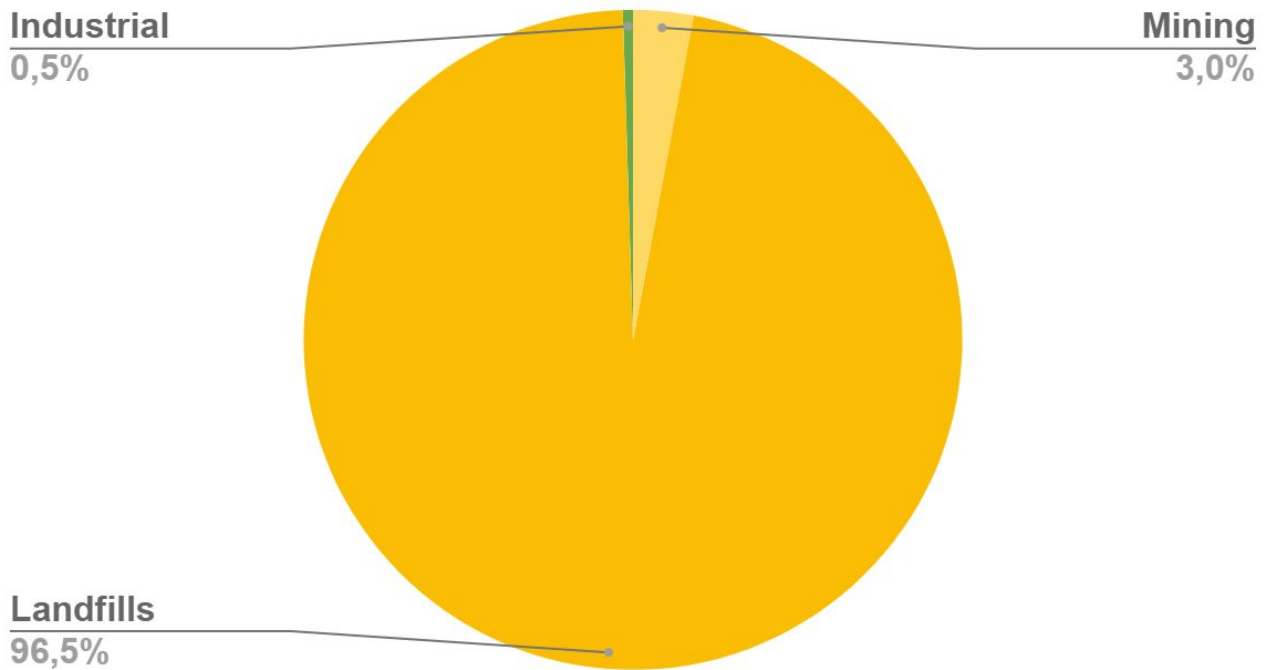


1. Stucki, M., Büsler, S., Itten, R., Frischknecht, R., & Wallbaum, H. (2020). Comparative life cycle assessment of geosynthetics versus conventional construction materials. In P. Stolz & R. Frischknecht (Eds.), ESU-services Ltd. Commissioned by European Association of Geosynthetic Product Manufacturers (EAGM). [https://www.eagm.eu/\\_files/ugd/e700f9\\_d9efa4804cc0425b9f469805f79e8b93.pdf](https://www.eagm.eu/_files/ugd/e700f9_d9efa4804cc0425b9f469805f79e8b93.pdf)

## Deposit closure

During 2023, we completed the installation of a total of 2,071,538 square meters of geosynthetics in mining, landfill, and industrial tank closure projects. This achievement reflects our commitment to quality and innovation in solutions for environmental protection and structural safety in several key industries.

### Impact per solution

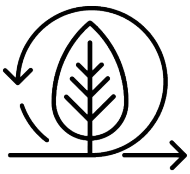


**m<sup>2</sup>** **2,071,538**  
**SQUARE METERS**

Of geosynthetics installed in 2023 in projects.

## Building protection

At SAI, we understand the importance of protecting infrastructure and buildings against the adverse effects of water and corrosion. Our innovative solutions are designed to ensure that structures are more durable and resilient, contributing directly to the creation of more robust and sustainable cities and infrastructure.



### **Water and Corrosion Protection**

We use advanced technologies and high-quality materials to protect buildings and infrastructure from water damage and corrosion. By implementing efficient waterproofing systems and resistant coatings, we prevent premature deterioration of structures, prolonging their useful life and reducing the need for frequent repairs and maintenance.



### **Sustainability and Resilience**

Effective water and corrosion protection not only ensures long-term structural integrity, but also promotes sustainability by minimizing resource consumption and waste generation. Well-protected buildings and infrastructure require less maintenance, which not only reduces their environmental impact, but also optimizes the use of materials and resources throughout their life cycle.



### **Commitment to the Future**

At SAI, we are committed to creating solutions that strengthen our cities and communities in the face of the challenges of climate change and other environmental factors. By protecting buildings and critical infrastructure, we not only ensure their functionality and longevity, but also contribute to a more sustainable and resilient future for all.

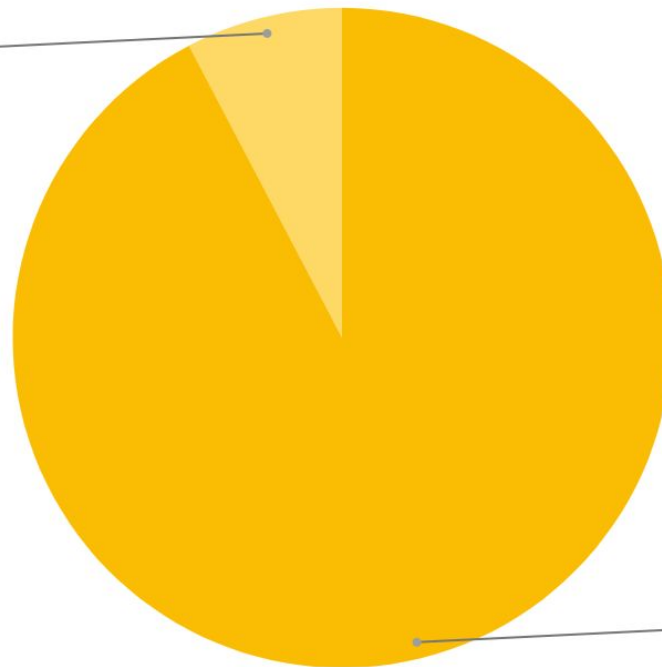


## Building protection

During 2023, we installed an average of 58,500 square meters of geosynthetics in industrial and construction projects, underscoring our commitment to quality and efficiency. The implementation of these solutions has contributed to improving the safety and durability of infrastructure, reflecting our leadership in the sector and our dedication to meeting the specific needs of each of our customers and their projects.

### Impact per solution

**Industrial**  
7,7%



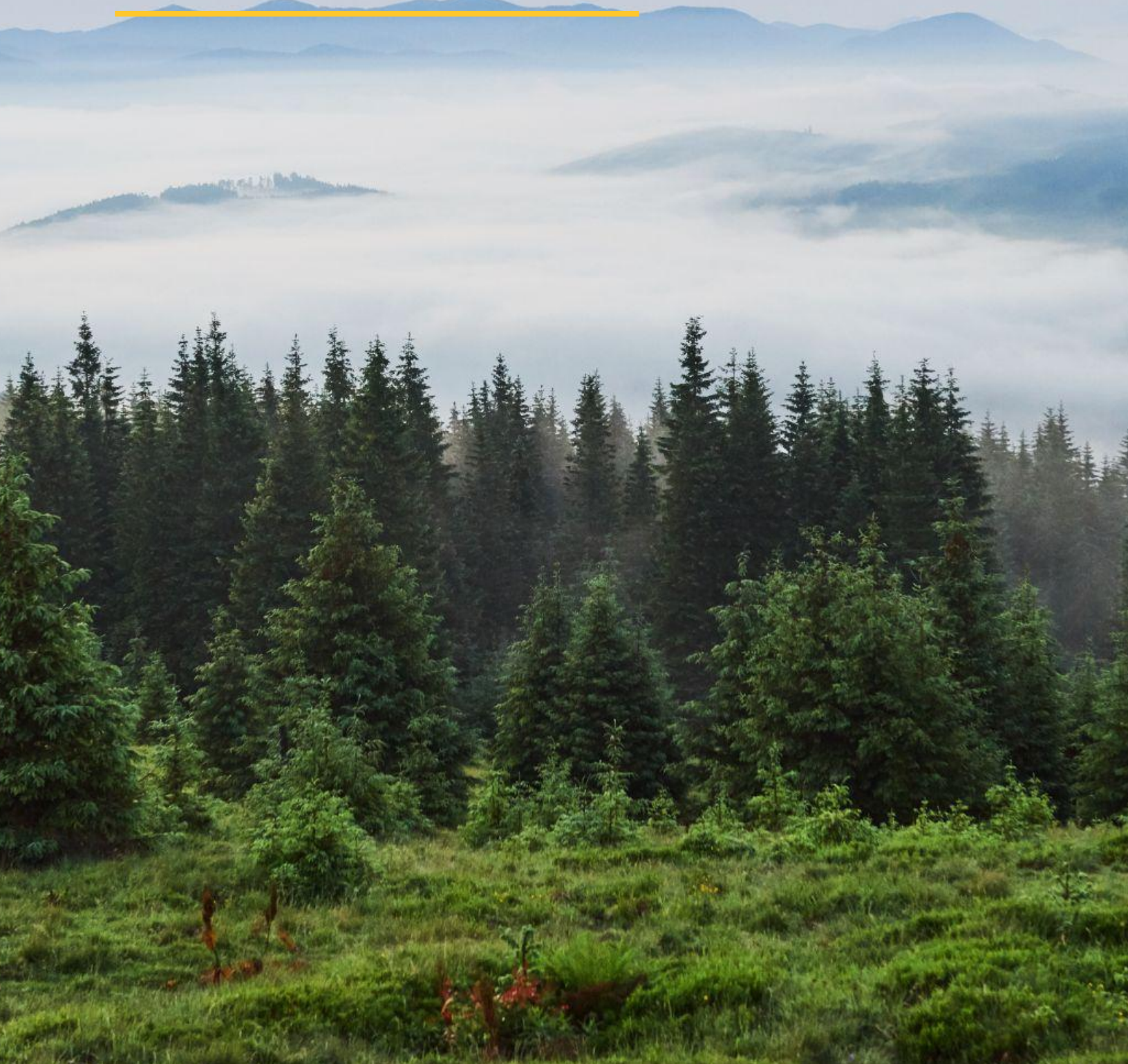
**Construction**  
92,3%

**m<sup>2</sup>** **58,500**  
**SQUARE METERS**

Of geosynthetics installed in 2023 in industrial and construction projects.

# Reducing the impact of our operations

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## Transportation optimization

Due to the nature of our activity at SAI, most of our carbon footprint is due to the use of vans and electric generators that we use in our construction sites throughout Mexico. Aware of the importance of mitigating our environmental impact, we have implemented strategic measures to modernize our fleet of vehicles and generators, thus achieving a significant reduction in our CO2 emissions.

### Initial situation

Until 2022, our vehicle fleet, composed of small cargo trucks and vans purchased between 2009 and 2012, averaged a total of 45,000 km per year across all our projects. Additionally, we had a fleet of electric generators, with capacities between 8.5 and 25 kW, purchased between 2007 and 2022, used approximately 1,300 hours per year. This equipment generated an average carbon footprint of approximately 471,000 kg of CO2 per year.

To meet this challenge, during 2023 and 2024, we decided to modernize our fleet of vehicles and generators, achieving a substantial reduction in our CO2 emissions.

### Vehicle Fleet

We replaced our old fleet with new high-efficiency vans and trucks, maintaining the same average annual mileage of 45,000 km.





## Renewable Energy and Increased Energy Efficiency

### **Generator replacement**

We replaced our old generators with new, higher efficiency generators, capable of meeting our current operational needs, while maintaining the average of 1,300 hours of use per year per generator.

### **Results**

Thanks to these improvements, we have been able to reduce our carbon footprint to 207,000 kilograms of CO<sub>2</sub> per year. This modernization of our equipment has resulted in savings of almost 200,000 kilograms of CO<sub>2</sub> per year, demonstrating our commitment to sustainability and reducing our environmental impact.

These actions not only represent a significant advance in our sustainability strategy, but also reinforce our commitment to environmental protection. Modernizing our fleet and improving the efficiency of our generators are crucial steps towards creating a cleaner and more sustainable future.

### **Conclusion**

At SAI, we will continue to explore and implement sustainable technologies and practices to minimize our environmental impact.

Our effort to reduce nearly 200,000 kilograms of CO<sub>2</sub> annually is a testament to our commitment to the health of the planet and corporate responsibility.

# Waste Management

As part of our commitment to sustainability, we present our efforts in the responsible disposal of obsolete equipment. This initiative seeks to minimize the environmental impact of our technological assets at the end of their useful life, while contributing to the recovery of valuable materials and the optimization of our processes.

## Reducing environmental impact

Improper disposal of electronic equipment generates serious environmental consequences due to the release of harmful substances. By disposing of them in a responsible manner, their treatment and processing in accordance with environmental regulations is guaranteed, avoiding soil and water contamination. In addition, this equipment contains valuable materials such as metals, plastics and glass that can be recovered and reincorporated into the production cycle through recycling, contributing to the circular economy and reducing the demand for natural resources.



Material	Texto breve de material	Centro	Almacén	Unidad medida base	Libre utilización	Grupo de artículos
200541	EXTRUSORA DEMTECH	1000	1000	PZA	14	ZMAQ01
200541	EXTRUSORA DEMTECH	1000	1002	PZA	1	ZMAQ01
200543	TENSIOMETRO DEMTECH	1000	1000	PZA	8	ZMAQ01
200544	TENSIOMETRO PWT	1000	1000	PZA	2	ZMAQ01
200545	BOMBA DE VACIO DEMTECH	1000	1000	PZA	10	ZMAQ01
200549	CORTA CUPON DEMTECH	1000	1000	PZA	7	ZMAQ01
200551	CORTA CUPON MUNSCH	1000	1000	PZA	2	ZMAQ01
200572	WEDGE DEMTECH	1000	1000	PZA	9	ZMAQ01
200577	WEDGE PWT	1000	1000	PZA	5	ZMAQ01
202308	EXTRUSORA MAK-32-D DIGITAL	1000	1000	PZA	2	ZMAQ01
202465	PISTOLA AIRE CALIENTE QUICK L	1000	1000	PZA	1	ZEQU01
202945	EXTRUSORA	1000	1000	PZA	2	ZMAQ01
206052	PISTOLA WELDYLEISTER	1000	1000	PZA	7	ZEQU01
206053	EQUIPO LEISTER ELECTRON/IGHIBLI/HOTJET	1000	1000	PZA	3	ZEQU01
107.547	COMET 230V/1200W CUÑA 50MM GRAF C/CP UE	1000	1002	PZA	1	ZEQU01
S100.728	TRIAC S 120V/1600W TOBERA DE PRESION	1000	1000	PZA	7	ZEQU01
S101.426	LE 3000 220-230V/3000-3300W	1000	1000	PZA	2	ZEQU01
S134.318	WELPLAST S8 230V/5300W CEE 32A	1000	1000	PZA	2	ZEQU03
S139.059	TENSIOMETRO EXAMO 230V/200W 300F C/ USB	1000	1000	PZA	3	ZEQU03
S140.098	HOTWIND PREMIUM 230V/3700W S/CLAVIA	1000	1000	PZA	9	ZEQU01
S141.227	TRIAC ST 230V/1600W CLAVIA EUROPEA	1000	1000	PZA	3	ZEQU03
S141.314	TRIAC AT 230V/1600W TOB. PRE. CLAV. EU.	1000	1002	PZA	4	ZEQU03
S141.891	VARIANT T1 230V/3680W 40MM TRASL. EU-CLAV	1000	1000	PZA	2	ZEQU01
S143.727	LHS 61S SYSTEM 3 X 230V/6KW DEMOSTRACION	1000	1000	PZA	4	ZEQU03
S146.793	AIR HEATER LE 5000 DF-R 3X230V/8KW	1000	1002	PZA	7	ZEQU03
S146.797	AIR HEATER LE 10000 DF-R 3X400V/17KW	1000	1000	PZA	2	ZEQU01
S152.981	CAJA DE VACIO 810X310MM	1000	1000	PZA	13	ZEQU04
S153.024	BOMBA DE VACIO 230V	1000	1000	PZA	12	ZEQU04
S153.028	CAMPANA DE VACIO Ø 320MM	1000	1002	PZA	1	ZEQU04
S153.428	VARIINAT S 40MM/230V 4600W	1000	1000	PZA	2	ZEQU01

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In the last year, we have managed to destroy and disable 30 obsolete pieces of equipment, including mechanical and electronic parts. This process has been carried out in an environmentally responsible manner and in accordance with applicable regulations, generating 1,980 kilograms of scrap metal for subsequent recycling.

# Waste Management

## Conclusion

Responsible disposal is an important step towards technological renewal and improving the environmental performance of our organization. This initiative allows us to reduce our environmental footprint, recover valuable materials and optimize our processes, thus contributing to a more sustainable future.





# Community Contribution

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## Strategic Alliances

Fundación Piel con Vida is a pioneering non-profit organization in Mexico, dedicated to the prevention and early detection of skin cancer, and is a pillar of social responsibility in the group to which SAI belongs.

The Foundation was created in response to the high incidence of this disease in the country and the lack of information about it. It works to raise awareness among the population about the importance of prevention and offers consultations for early detection of skin cancer.

With a team of collaborators, volunteers and medical specialists, Fundación Piel con Vida, in the year 2023, has managed to inform more than 55,747 people in Mexico through talks and skin cancer detection days. Its goal is to expand its presence throughout Mexico and other Latin American countries and be a promoter in the prevention of skin cancer, with an innovative and self-sustainable attitude.



# Corporate Volunteering

## 1. Endemic tree planting and sowing day

As part of our firm commitment to environmental care and sustainable community development, we carried out a reforestation day.

In this initiative, we planted 150 Palo Verde trees, a species endemic to the Sonora region, in an area selected to contribute to urban reforestation.

Palo Verde is characterized by its great resistance to drought and adverse weather conditions, which makes it an ideal species to thrive in our community.

This activity not only represents a significant contribution to the care of the environment, but also seeks to encourage the active participation of the community in sustainable development initiatives. In this sense, the trees planted during the day will later be donated to members of the community, who will be able to plant them in their homes or in public spaces, thus contributing to the creation of green areas and the generation of a healthier and more harmonious environment for everyone.

We are convinced that reforestation is a task of great importance for the future of our planet and the generations to come. Therefore, we will continue to work tirelessly to promote initiatives that encourage environmental conservation and sustainable development in our community.





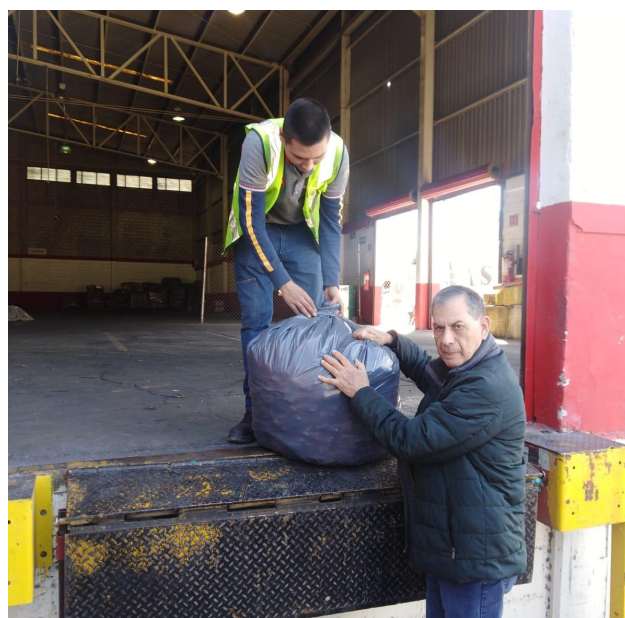
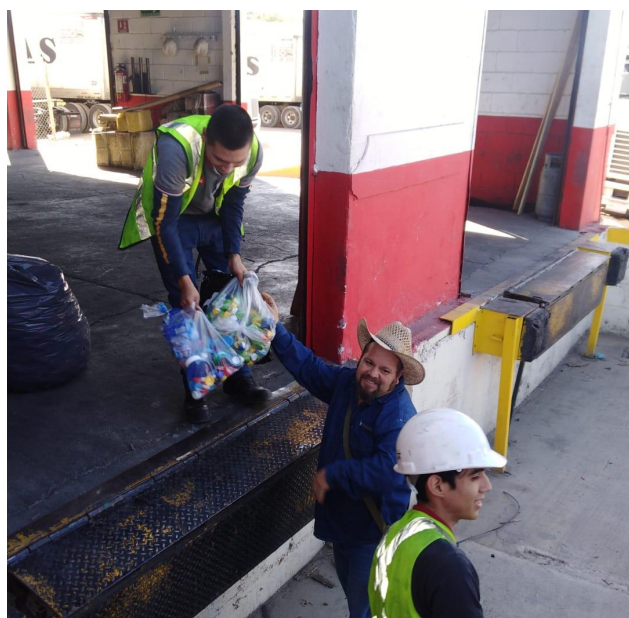
## Corporate Volunteering

### 2. Collection of plastic bottle caps

We have joined the plastic bottle cap collection campaign organized by Banco de Tapitas A.C., which is a non-profit Civil Association, legally constituted, registered with the National Institute of Social Development, the Tax Administration Service (SAT) and the Mexican Philanthropy Center (CEMEFI). Where they are in charge of collecting, storing and recycling all types of plastic caps (regardless of their origin) to generate resources for different programs for the care of children diagnosed with cancer.

With the collection and donation of 54 kg of plastic caps, we have contributed significantly to the reduction of the environmental impact. According to estimates, this amount of plastic caps will save approximately 7.5 liters of oil and 2,700 liters of water. This initiative represents our commitment to sustainable practices and the reduction of our environmental footprint.

Participation in this campaign has not only strengthened our sense of social responsibility, but has also positively impacted the lives of those who need it most. Our team will continue to support similar initiatives in the future, always seeking to contribute to the well-being of our community and care for the environment.



# Commitment

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## Looking Ahead

At SAI, we are committed to sustainability through our innovations in mining, landfill and agricultural water use. By installing geomembranes, we protect soils and aquifers, reduce pollution and optimize water use. Our work not only ensures a cleaner and safer future for generations to come, but also contributes to the well-being of our communities and the balance of our planet.

On our sustainability journey, we recognize that the future challenges us to innovate and lead with greater determination. While this report reflects our current progress, it also charts a course toward a future where all of our activities will be focused on continuous improvement and making a positive and lasting impact on the world.

At SAI, our mission is to lead by example in the field of environmental sustainability. We are committed to moving toward a greener future, so throughout 2024, our focus will be on developing and refining specific sustainability indicators designed to evaluate every aspect of our operations. Through the implementation of these indicators, we will not only measure our impact, but also set new targets.

It is critical that every member of our team actively embraces this commitment, so our commitment extends to cultivating an organizational culture where sustainability is not just a matter of the bottom line, but also of the bottom line.





# Indicators

## Key Performance Indicators (KPI) under evaluation for implementation by 2025

### 1. CO2 Emissions by Project

We will continue to track and reduce CO2 emissions in each project, with a 10% reduction target compared to 2024 levels.

### 2. Water Consumption by Project

We will implement monitoring systems to measure and reduce water consumption by 15% through efficient irrigation practices and water harvesting technologies.

### 3. Renewable Energy Projects

We will increase our participation in projects that use renewable energy by 20%, focusing on projects associated with solar panels, wind generators, and other clean energy sources.

### 4. Biodiversity Impact

Expand our reforestation efforts with a goal of planting at least 1,000 trees in areas affected by our landfill closure and infrastructure construction projects.

### 5. Recycling and Waste Management

We are committed to improving our waste management practices by implementing strategies to increase our recycling rate by 25%. This will ensure greater reuse of materials and a significant reduction in the amount of waste generated, thus strengthening our commitment to environmental sustainability.

With this strategy and the new sustainability indicators, we seek not only to meet environmental standards, but also to exceed them, demonstrating our commitment to sustainability and environmental responsibility, and positioning ourselves as a leader in the geosynthetics industry.






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