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Tecnoglass as a leader in our industry has focused its efforts on working with The Power of Quality, always making sure that our vision of sustainability is immersed into every aspect of our business, including social, environmental, economic and governance variables, that help us make decisions and create value for our stakeholders.

I am thus pleased to share our 2019 Sustainability Report, presented under GRI standards, which allows us to measure and evaluate the activities we carry out based on our global sustainability strategy, which is supported on three fundamental pillars: Promoting an ethical and responsible continuous growth, Leading eco-efficiency and innovation, and Empowering our environment.

In each of the chapters of this report, we have laid out some of the actions taken in pursuit of our cooperation with the attainment of the Sustainable Development Goals (SDGs), stating, once again, our commitment to the ten principles of UN Global Compact.

The overall balance has been outstanding, laying grounds for us to keep consolidating ourselves as a resilient and robust company, that year after year strengthens its value proposals, innovating in its processes, overcoming new challenges, whilst preserving the highest ethical and corporate governance standards.

José Manuel Daes
CEO TECNOGLASS
COMPANY PROFILE
Company Profile

ABOUT US

Tecnoglass Inc. is the parent company of C.I. Energía Solar S.A.S ES Windows, Tecnoglass S.A.S, ES Windows LLC, Tecnoc RE LLC, Tecnoc LLC, GM&P Inc. Componenti LLC, ESMetals S.A.S, ESWindows Peru S.A.C., ESWINDOWS California LLC, companies that make up the Tecnoglass business group (the “Company” or “Tecnoglass”). Tecnoglass Inc’s shares have been listed on NASDAQ since 2013, with Energy Holding Corporation being the majority shareholder.

We are leaders in the industry of the manufacture of glass and aluminum windows and facades for the residential and commercial construction market with more than 250 architectural systems. Strategically located in Barranquilla, Colombia, we operate from a modern industrial complex of more than 260,000 square meters from which we serve the most important jobs in Colombia, Florida, New York, Pennsylvania, Washington, Boston, Panama, Peru, Bolivia and more than 20 different destinations.

Our clients are architects, building owners, general contractors and vendors in the construction market and our products are found in some of the most outstanding properties around the world, including El Dorado Airport (Bogotá, Colombia), La Ventana al Mundo (Barranquilla, Colombia), Via 57 West (New York, NY) Salesforce Tower (San Francisco, California), Panorama Tower (Miami, Florida), Hub50 House, (Boston, Massachusetts), Legacy West Tower, LVL 29 (Plano) One Thousand Museum (Miami, Florida), Brickell Flatiron (Miami, Florida) , AE O Tower (Honolulu, Hawaii).

In the transformation of architectural glass in Colombia and Latin America.  
In the Glass manufacturing and transformation serving the US market.
Our Vision is to be a worldwide leader with high quality products and solutions for a sustainable future, supported by highly trained and motivated employees.

Our Mission is to transform glass, extrude aluminum and fabricate window systems with superior manufacturing technology, considering a competitive product life cycle and fulfilling our stakeholders interests. Value Proposition: The Power of Quality.

Main Objectives

- Continued and sustainable growth.
- Maintain Strong Consolidated Financial and Operational Results.
- Leverage Strength in Core Markets to Diversify into New Geographies with Significant Growth Potential.
- Continued Production of Innovative, High Quality, and High Value Added Products.
- Continue to Build on Full Vertical Integration Strategy.
- Achieve Operational Excellence and Enhance Assets Effectiveness.
- Committed With Environmental Protection and the Prevention of Workplace Accidents and Occupational Diseases.
- Create a Great Work Environment, Improving Comfort and Well-being while Building and Ethical Culture.
The Company offers a broad portfolio of products in the construction industry for commercial and residential projects, made to measure and in accordance with the specifications and standards required by the client and the applicable regulations, such as:

**Low-E glass:** Low emissivity glass manufactured within a vacuum chamber by depositing metal particles on the glass surface. This product offers excellent thermal insulation designed to improve the energy efficiency of buildings.

**Laminated Glass / Thermo-laminated glass:** It is produced by joining two sheets of glass with an intermediate. As a safety feature, if the glass breaks, the resulting fragments remain suspended within the plastic interlayer, reducing the risk of injury.

**Insulating Laminated Glass:** Manufactured with two or more sheets of glass separated by a micro-perforated aluminum or steel profile. This product has a double sealing system that guarantees the tightness of the unit, dampens noise and improves thermal control. This product serves as an excellent noise barrier, it is especially used in areas near airports, traffic or where there are unpleasant sounds.

**Tempered glass:** Glass subjected to a tempering process at high temperatures, resulting in greater resistance and surface elasticity than conventional glass. As a safety feature, when the glass is impacted by a force strong enough to break it, the surface will shatter into tiny pieces.

**Silkscreen Glass:** A special paint is applied to this glass using automatic machinery and numerical control, which guarantees the homogeneity of the paint and an excellent finish.

**Curved Glass:** It is produced by bending a flat sheet of glass over a mold using an automated heat process that maintains the physical properties of the glass.

**Digital Print Glass:** Digital printing allows any type of appearance required by the client, offering versatility to projects.
Aluminum Products: Aluminum bars, plates, profiles, rods and tubes are manufactured mainly used in architectural glass configurations such as windows, doors, space dividers and similar products.

Curtain walls / floating facades: It is a non-structural window screen suspended outside a building and is available in various technical specifications for the high performance required in high-rise buildings. This product is resistant to strong winds. High quality standards are guaranteed.

Windows and Doors: Product line for windows and doors with different types of glass finish, such as normal, impact resistant, hurricane proof, security, sound control and thermal proof. In addition, they are available in numerous structures, including fixed body, sliding windows, casement windows, hanging windows, sliding doors and swing doors.

Others: Awnings, structures, automatic doors and other components of architectural systems.

Floor-ceiling facades: Los elementos de la fachada de vidrio y aluminio se fijan a la estructura del edificio. Hay disponible muchas combinaciones de colores, espesor, tipos y acabados de vidrio, tipos de ventilación y complementos de diseño.

Interior dividers and commercial display cases: For commercial and interior display cases there is a wide range of profiles, colors and glass finishes, as well as bathroom partitions, office cubicle dividers and cabinets. These products combine functionality, aesthetics and elegance and are available in a wide range of designs and materials.

Hurricane-Proof Windows: A combination of high-strength aluminum frames with laminated or insulated glass that provide protection against windblown debris due to its structural integrity, preventing objects from penetrating it upon impact.

Our main brands are Tecnoglass, ESWindows and Alutions. We have the following trademarks: “Alutions by Tecnoglass”, “ECOMAX by ESWINDOWS”, “Tecnoair”, “Tecnobend”, “ESWINDOWS Interiors”, “ESW Windows and Walls”, “Solartec by Tecnoglass”, “Prestige by ESWINDOWS”, “Eli by ESWINDOWS”, “Alessia by ESWINDOWS” and “Componenti Architectural Specialties”. 
In 2019 the Company, at a consolidated level, obtained revenues of approximately US $431 million, with an EBITDA of US $92.4 million. Both growth levels above 15% compared to 2018.
The companies CI Energía Solar S.A.E.S. Windows and Tecnoglass S.A.S. They maintained the certification of their Management System based on the ISO 14001 standard.

The Aqueduct, Sewage and Sanitation Company of Barranquilla – Triple A, in 2016 and 2017 granted a recognition to C.I. Energía Solar S.A.S., ESWindows due to its good practices in the management of hazardous residue. In December 2016 we obtained the Triple A Award in the category of large generators.

HP Inc. Colombia recognized CI Energía Solar S.A.S. ES. Windows your participation in HP Planet Partners, HP LaserJet Original Toner Return and Recycling Program that supports the Omacha Foundation, a non-profit, non-governmental organization created to study, research and conserve aquatic fauna and ecosystems and terrestrial in Colombia.

Tecnoglass has been SOX compliant since 2017. SOX stands for the Sarbanes-Oxley Act that seeks to protect shareholders and the general public against accounting errors and fraudulent practices in companies, and to improve the accuracy of corporate disclosures.

CI Energía Solar S.A. E.S. Windows has been recognized by Semana Magazine as one of the 25 companies that contribute most to Colombia.

Tecnoglass S.A.S. certify your Occupational Health and Safety Management System with the international standard ISO 45001.

Our brigade members have been recognized by the Occupational Risk Manager Seguros Bolivar at the 8th Brigade Meeting.
In January 2019 we entered into a joint venture with Saint-Gobain, a French world leader company in the manufacture of raw glass. We will participate in approximately 25% of its business in Colombia, mainly focused today at its plant in Soacha, and in a new plant that we will jointly build near our factory in Barranquilla with an investment of approximately US $ 160 million. This second plant will allow us to consolidate important synergies and penetrate new markets hand in hand with a world leader.

Another important event that occurred during 2019 was the opening of a new business line through the acquisition of a 70% stake in the company ES Metals S.A.S., dedicated to the design and engineering of aluminum cladding and building enclosures.

Additionally, and given the recent growth of the Peruvian economy, the Company decided to start commercial operations in that country, through the company Eswindows Perú S.A.C. wholly owned by Tecnoglass Inc. The Peruvian company is currently executing contracts for USD 3,000,000 and expects to obtain revenues of approximately USD 20,000,000 between 2020 and 2022.
Some of the Tecnoglass companies are members of the following associations:

**Colombian Council for Sustainable Construction ("CCCS"),** an organization that seeks to support innovation and development of new products, materials and solutions that raise the level of sustainability of all uses of new and existing buildings and of cities in general.

**Colombian Federation of Logistics Agents in International Trade ("FITAC"),** a permanent and non-profit association, which brings together the most important sectors in the foreign trade chain.

**National Association of Foreign international Trade ("ANALDEX"),** an association that encourages and strengthens the national export activity and supports the design and execution of short, medium and long-term export policies.

**Colombian Institute of Technical Standards and Certification ("ICONTEC"),** entity that is responsible for promoting standardization, certification, metrology and quality management in Colombia.

**Colombian Association of Glazed Systems (ACOLVISE)** entity that proposes, promotes and supports programs and services that favorably influence the state of the Colombian market for glazed systems, in the protection of the user and the environment.

**American Architectural Manufacturers Association (AAMA).**
The Company has implemented a Code of Conduct that is a key element in our business. It establishes the expected behavior of employees, directors, administrators, business associates, legal representatives, suppliers, contractors, customers and any other person associated with us. This document was approved by the Board of Directors in 2017.

This Code of Conduct is based on the Company’s corporate values, which are integrity, responsibility, respect and quality, intending to build a favorable work and business environment that leads to obtaining results that add value to the Company. This Code is disclosed to all stakeholders through training, and they have permanent access to it on the organization’s web page.
General Shareholder Meeting
- The Company’s highest organ.
- All shareholders are members.

BOD
- The highest decision-making body of the company chosen by the general shareholders’ meeting.
- Has 7 members: 5 independent and 2 executive.
- It has 3 permanent committees made up of Board members.

Audit Committee
- Its function is to approve and monitor:
  - The integrity of the Financial Statements
  - The independence ratings of the auditors.
  - The performance of independent audits.
  - Compliance by the Company with legal requirements.
- This committee is also responsible for approving relevant transactions with related parties.

Nominating Committee
- Complies with the responsibilities of the Board related to the determination of the number of members, the operation and the needs of the Board, including, among others, the recruitment and retention of Board members, and the composition and structure of the committee.

Compensation Committee
- Fulfills the responsibilities of the Board related to the compensation of the Company's executive director and other senior executives.
- Manages compensation and incentive plans.
- Issues the Report of the Compensation Committee included in the Company’s annual report, the applicable rules and regulations require it.

Directors
- They are elected by a majority of the votes of the independent members of the Board of Directors for the period of time deemed necessary.
- The directors are:
  - CEO – Chief Executive Officer.
  - COO – Chief Operating Officer.
  - CFO – Chief Financial Officer.

Corporate Secretary
- Supports the directors and members of the Board in promoting the highest standards of corporate governance and facilitates the effective functioning of the Board and its committees.

Tecnoglass has an Authority Delegation Manual, approved by the Board of Directors, which aims to establish the levels of authority, delegation and approval of the transactions that are carried out in our companies for the development of the corporate purpose set forth for each one.

The Manual establishes the levels of authority based on the general hierarchy of the companies within the group and the delegation is determined taking into account the functionality, as well as the nature of the processes, such as supply of goods and services, financial operations, human resources, product quality and the timing of the delegations.
The company has established three central axes in its sustainability strategy that seek to identify and attend the value offers proposed to the different stakeholders, responding to their needs and expectations.

Stakeholders actively participate in the different phases of the Company. We have established direct communication channels through different areas of the organization, such as the purchasing department, HSEQ, human resources, sales, among others. Communications are made by different means, such as virtual platforms, emails, phone calls and through the Company’s website.

**STAKEHOLDERS**

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- **Employees**: There are different communication channels such as the work committee and the hotline, to which they have access by telephone or via the platform 24 hours a day, seven days a week. They also have the email of the human resources, which is the area responsible for their direct care.
- **Shareholders**: All the Company’s information is available on the website or can be communicated through the financial vice president.
- **Clients**: For Colombian clients’ there is a customer service hotline and email and for international clients a virtual platform accessible through the website.
- **Suppliers**: The direct communication channel is through the email or telephone number of the person in charge of the purchasing area.
- **NGOs and Others**: Direct communication channels by email and telephone lines.
- **Community**: Through community leaders and the Tecnoglass Eswindows Foundation.
- **State**: With all government entities we have traditional communication channels such as email, physical correspondence, telephone line and virtual platforms. We always respond to any request or requirement.

All the company’s communication channels allow continuous and direct dialogue with all the members of the different interest groups.
3 SUSTAINABILITY STRATEGY
The Company’s Sustainability Strategy is a clear roadmap that contains the guidelines in order for the Company to develop its business activities whilst offering value to each of the stakeholders linked to the organization. These parameters are aligned with Tecnoglass’ policies, corporate strategies, mission, vision and values.

Our Sustainability Strategy is based on three pillars that involve economic, social, environmental and corporate governance aspects, which in turn contain particular commitments that aim to ensure that all the processes and activities carried out in the business are carried out in a sustainable manner.
4

PROMOTING CONTINUOUS, ETHICAL AND RESPONSIBLE GROWTH
Committed to corporate values of integrity and responsibility, the Company conducts its own business activities with transparency and ethics with the firm intention of generating permanent growth within the market and providing stakeholders with efficient, innovative and high-quality products that meet their needs. We adopt international leading practices. In corporate governance and HSEQ, guaranteeing transparency in decision-making and accountability. Likewise, the Company has established communication channels with each of its stakeholders that allow frequent contact.
4.1 Ethics And Compliance Program

The Company, adopted an Ethics and Compliance Program with the purpose of establishing annual activities and actions that will be implemented to prevent and manage the risks of fraud, corruption, money laundering and terrorist financing, and in turn, to comply with the guidelines and directives established in the Compliance Manual and the Code of Conduct.

Through the training provided to the Company’s employees on the Compliance Manual and the Code of Conduct, the aim is to apply the rules established therein, but also to sensitize workers to act more out of conviction rather than by imposition, establishing a culture of zero tolerance against any act that might vulnerate the Company’s policies.

The Company has confidential channels through which employees, managers, officers and collaborators can report any irregular situation that goes against the provisions contained in the Code of Conduct or the Compliance Manual or that involves behavior Contrary to corporate values. All cases are treated with confidentiality, without retaliation, guaranteeing the anonymity of the reporter, and verification of the situation.

Additionally, the Company has designed and executed a system for auto control and risk management of money laundering and terrorist financing (“SAGRLAFT”) in accordance with the provisions of Chapter X of the Basic Legal Circular of the Colombian Superintendence of Companies.

Principle

10

Conduct our business with integrity, ethics and transparency.
Adopt best corporate governance practices that facilitate decision-making and accountability.

Area: Anti-corruption
Companies must work against all forms of corruption including extortion and bribery.
Promoting continuos, ethical and responsible growth

**2019 Outstanding achievements**

- We increased the training coverage of the Code of Conduct and the Compliance Manual by 134%. We trained 4,399 employees, corresponding to 76% of the total workers.

- We increased employee participation by 43% in contests and awareness campaigns on corporate values and prevention of fraud, money laundering and terrorist financing (AML/FT) and corruption.

- We decreased by 9% the complaints filed through the Confidential Reporting Line, compared to 2019, thanks to the Ethics and Compliance Program.

- We did not receive any complaint about money laundering and terrorist financing (AML/FT).

- We updated the Compliance Manual and the Corporate Governance Guidelines.
Encourage employees to adhere and experience the corporate values, developing a corporate culture as a pillar for the prevention of the risks of AML/FT, fraud and corruption.

Have a cyclical training process that allows us to reach all our stakeholders, in order to continuously socialize ethics & compliance policies, promoting positive change, transparency, sustainability and inclusion.

Ensure that all calls received on the line are inquiries and not complaints.

Initiatives 2018-2020

2019 Outstanding achievements

- We trained 100% of new employees on ethics and compliance policies, publicizing the controls for comprehensive risk management, AML, Corruption and Fraud.

- We disclosed to 100% of our employees the guidelines established for the receipt and delivery of gifts and hospitality, in accordance with those established in the Compliance Manual.

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We consider security management in the supply chain to be an extremely important component of our foreign trade operations. Aligned with this premise, we are voluntarily adhered to the C-TPAT programs in the United States and the Authorized Economic Operator in Colombia, generating trustful relationship with the authorities of control and clients, increasing competitiveness in international markets.

In order to continuously improve our management, we carry out permanent process review activities, guaranteeing compliance with international standards, and providing the highest level of cargo security. Likewise, we train staff and monitor our business associates.

4.2 Security in the Supply Chain

Position comprehensive risk management as a strategic factor for the organization.
Promoting continuous, ethical and responsible growth

**Map cargo flow in ES’ supply chain**
Promoting continuous, ethical and responsible growth

Map cargo flow in Tecnoglass’ supply chain
2019 Outstanding achievements

Safety Management Supply Chain

- We maintained the authorization as Authorized Economic Operator for exporters in the security and facilitation category for the companies Tecnoglass SAS and CI Energía Solar SAS ES Windows. Additionally, these companies have applied to the AEO program for importers.

- We maintained the certification of the C-TPAT Importer Program for ES Windows LLC; we also received a visit from the United States of America Customs and Border Protection office in Colombia plants that validated compliance with security standards in the supply chain.

- We implemented a technological tool to manage the information of the processes of international trade, physical security and warehouse, involved in the receipt of import merchandise to promptly identify security risks in the supply chain.

- We updated the physical security study of the plants, verifying the existing security measures and detecting vulnerabilities to prevent the materialization of risks, thus improving the existing security schemes.

- We trained more than 3,000 people in order to strengthen the security in the supply chain, highlighting the following:
  - Training in filing and sealing of containers for the personnel involved in the areas of dispatch of export merchandise.
  - 100% induction of new employees on policies, guidelines, and risk management for security in the supply chain.
  - We increased by 40% the participation of the staff in the process of periodical training of policies and risk control for security in the supply chain.
  - We continued to strengthen training in private security and technological means for personnel in the Physical Security area, complying with the guidelines of the control authorities.
  - We trained program leaders as internal auditors of Authorized Economic Operators.
  - We offered training to our allies in the hiring of personnel, in techniques for the development of socioeconomic studies and home visits.
  - We participated in the Customs, Logistics, and Port Symposium organized by the Colombian Federation of Logistics Agents in International Trade.

Promoting continuous, ethical and responsible growth
Supplier management

Tecnoglass has built a vertical model of integration in which the supply chain is nurtured by all the companies from the group, making logistics and the profitability more efficient. Additionally, for those products and services that are not produced within the group, we have a policy and a purchase procedure that include within its criteria the fulfillment of environmental requirements and the preference of local suppliers to benefit the economy of the region.

The company carries out a process of annual supplier evaluations where the internal user’s give feedback of the supplier, its workers and its fulfilment of requirements.

- We reviewed our policies and procedures for linking and updating business associates, this process is carried out using a technological tool that allows us to obtain information from our suppliers for subsequent analysis.

- We updated the risk profile for business associates and make visits to their facilities in order to ensure compliance with security standards and risk management in the supply chain. Likewise, we have policies for the selection and evaluation of suppliers, maintaining transparent relationships to optimize the performance of the supply chain.

- We established and maintained commercial relationships with 2,584 suppliers, of which 498 were linked in 2019. 58% of the suppliers are located in Colombia and 42% in other countries.

Initiatives 2018 - 2020

- Obtain authorization as an Authorized Economic Operator Importer in the security and facilitation category for the companies Tecnoglass SAS and CI Energia Solar SAS ES Windows.

- Implement the new minimum security criteria for the importing C-TPAT program for the company ES Windows LLC.

- Implement technological tools for the security management of export containers, the processes for linking, and updating suppliers abroad.
4.3 High quality innovative products

Our objective has always been to offer high quality products that meet the needs of our stakeholders, this has made us a leader in our industry and one of the main exporters out of Colombia. Our quality seal, constant innovation in products and manufacturing processes, investment in new technologies, geographical location, and human talent have allowed us to serve and position ourselves in the most demanding international markets.

4.3.1 High quality innovative products

We maintain to be certified in HSEQ systems under the international standards ISO 9001: 2015, ISO 14001: 2015 and OHSAS 18001: 2007.

**We maintain the following national and international certifications:**

- **NTC 1578: 2011**: Product seal for safety glass used in construction, approved by ICONTEC.
- **FASTM E2190**: Insulated glass meeting all the guidelines and requirements for IGCC® / IGMA® certification approved by the Insulating Glass Certification Council and Insulating Glass Manufacturers Alliance “IGCC”.

2019 Outstanding achievements

**Product Certifications**

- **International Manufacturer of Vitro Certified**.
- **Brand license granted by Vitro for preselected projects and to produce certain products coated with MSVD at the Solartec plant**.
- **Product handling of SentryGlas, Butacite and Trosifol products, given by Kuraray for compliance with all requirements**.
- **NFR(National Fenestration Rating Council) Products with energy efficiency**.
- **NOA (Notice of Acceptance) Grocery products for all areas of Florida, including hurricane zones**.
- **FBC (Florida Building Code) Hurricane Protection Products**.
2019 Outstanding achievements

Process Improvement

We continuously improve processes in order to ensure that new products meet quality standards, we highlight the following activities:

- We implemented a glossary of terms related to the production line that facilitates worker learning.
- We guaranteed the quality of the glass and aluminum used to manufacture the products through indicators, compliance criteria, and technical standards.
- We carried out the revision of accessories under technical standards and structured quality plans.
- We carried out laboratory tests on 5% of the manufactured products.
- We followed up on complaints and claims submitted by clients in order to take corrective actions.

We implemented technological tools to optimize resources in the production plant, such as:

- Software for consumption of scraps, in order to optimize aluminum in the cutting process.
- Ticket platform for touch-up requests, with the aim of better planning, greater control, and traceability of the recovered aluminum.
- Digitization of the process of registration and treatment of non-conformities.
- Improvement of quality Nova Software to optimize traceability and control in the units manufactured, taking into account the requirement of manufacturing products from the northern USA market.

Training

We trained staff focusing on technical skills, we highlight the following trainings:

- Basic knowledge in the interpreting of production plans.
- Knowledge in silicone application.
- Knowledge in the map process of the production plant.
- Technical and functional knowledge of the organization’s products.
- Quality Champions League Campaign to reduce non-conformities in the product.

Initiatives 2018 - 2019

- Maintain certifications for products and management systems.
- Manufacture new products with quality and certified standards.
- Implement an electrostatic painting booth for the production plant of CI Energía Solar S.A.S. ES. Windows, with the aim of reducing downtime during the production process and reducing the costs associated with aluminum non-conformities.
4.4 Communication strategies

Build relationships of trust and communication mechanisms with our stakeholders.

2019 Outstanding achievements

- We executed the communications plan focused on preserving our contact with the different interest groups, updating ourselves with information of interest, and maintaining constant two-way communication through effective online and offline channels for our Company: social networks (Facebook, Twitter, and Instagram), mass mailings, events, advertising campaigns, traditional media, website, brochures, and catalogs. With this we achieved the following results:
  - Brand presence in traditional media.
  - Strengthening the brand nationally and internationally.
  - Greater brand recognition and recognition for product quality.
  - Consolidation of internal communication channels with employees.
  - Greater scope of disclosure.
  - New opportunities for negotiations with suppliers and customers.
  - Attract new followers / potential clients.
  - We attended 92% of the concerns, complaints, doubts, and requests for services of our clients in our Help Desk Platform and Service Tickets in less than 48 hours.

Initiatives 2018 – 2020

- Maintain internal communication channels with the organization’s workers, to improve the work environment.
- Strengthen our presence on virtual platforms to strengthen relationships and trust with international clients.
- Continue with virtual platforms, as a communication channel with international clients, strengthening relationships and trust.
- Address 100% of customer requests, complaints, suggestions, claims, and non-conformities in less time and with greater efficiency, providing a better service to this group of interest.
5

LEADING ECO - EFFICIENCY AND INNOVATION
Our company develops initiatives aimed at the efficient use of materials and the development of environmentally friendly technologies, responsible management of the value chain and the life cycle of products, all this to prevent, mitigate, and offset the environmental impacts of the business.

Our organization has set a parameter to promote energy efficiency in operation and in products to contribute to the environment not only from our manufacturing headquarters, but from all the places where it is marketed, offering products that are environmentally responsible.

Commitments associated to the pillar “Leading eco-efficiency and innovation”

- Encourage the energy efficiency of the operation and the products
- Prevent, mitigate and compensate environmental impacts of the products
- Promote the efficient use of materials and technologies, respectful with the environment
- Responsibly manage the value chain and the product cycle
- Position an innovation and quality approach within all of the Company’s processes
In the Company’s environmental management system, controls have been identified, evaluated, and applied for all the risks and management opportunities inherent in the processes. They need to be addressed to ensure that the HSEQ System can achieve the expected results, increase the desirable effects, prevent and reduce unwanted results, and obtain improvements.

The main risks from the environmental point of view are focused on the inadequate classification of waste, the increase in the generation of hazardous waste, chemical spill, increase in the consumption of a natural resource, loss of certification of the wastewater management system. All these risks are managed through controls and their effectiveness is evaluated with our matrix of risks and opportunities.

The opportunities that we have identified are associated with internal and external factors of the Company that can be potentiated with an adequate treatment, some of them are: improvement of productivity, innovation in products and services, opening of new markets, keeping personnel updated and trained, optimization of production processes, and the use of resources for effective planning of the organization’s activities.

The environmental impacts that could be caused as a result of our industrial processes are air pollution, soil pollution, resource depletion, abnormal or emergency conditions. However, due to the operational controls that we have designed and executed, such as preventive maintenance, daily consumption controls, emergency plans, training, documented procedures, monitoring in water and air, etc., we have been able to mitigate its impact, obtaining as a final result in most cases a non-significant valuation.

The organization has always complied with all environmental regulations and legislation, thanks to the controls exercised through our legal compliance matrices, which allows us to timely monitor and process all permits and notify the competent environmental authorities of all that is required.
5.2 Efficient Consumption and Water Savings

The water used in the production and administrative processes is drinkable, this is supplied by the company Triple A S.A. E.S.P. and it is treated in our facilities through reverse osmosis and ion exchange equipment. Once used, it is treated in a wastewater plant for subsequent dumping into the Triple A sewer. The following diagram describes the process.

For the impacts and risks associated with the water resource, actions have been established to control the efficient use of water, such as the management of indicators, preventive maintenance of equipment, training of personnel, process control protocols, and continuous communication with the service provider to have prompt reactions to any unforeseen events.

The company has established strategic goals and objectives in internal procedures related to the water component that are conceived based on the context of the organization, taking into account the needs and expectations of interested parties and internal and external issues, setting as a goal 6.3 m³ of consumed water per ton produced, and in this way the water resource is approached from a circular and 360° perspectives. Circular perspective since the process is addressed from its design, raw material and manufacturing to the end of its useful life and 360° since it is transversal to all processes, not only from an environmental perspective.

With daily measurements, equipment design information and historical data, goals are established and indicators are set to control water consumption in our products, to manufacture products that meet the needs of our customers and in turn optimize use of resources in the production process. We also comply with all the parameters established in the environmental legislation for wastewater.
5.2.1 Management of impacts related to water

- The disposition of the wastewater resulting from our production processes and administrative use is carried out directly into the Triple A S.A. sewer system. E.S.P. To guarantee that there are no affectations to bodies of surface water or rainwater channels, we pour the water after being treated in our wastewater treatment plants, which is analyzed under the criteria established for our economic activity in accordance with Resolution 0615 from 2015.

- In the Company we have procedures and instructions on wastewater treatment systems and we carry out internal monitoring to maintain operational control. All documents are available in the organization’s document system.

5.2.2 Water consumption

- The Company’s water consumption is estimated based on that used in glass and aluminum processing machines, whose pre-treatment systems require material washing. Therefore, the main indicator is the amount of water consumed versus tons of glass manufactured (m3 of water consumed / tons produced). The calculation is made considering the consumption in cubic meters contained in the Triple A invoices and the tons of glass manufactured in accordance with the inventory. This calculation is made monthly and a target of 6.3 m3 / ton.

- Comparing the results obtained in 2019 with those of 2017, the consumption trend is decreasing, but with respect to 2018 it is constant, all this as a result of the investments in the modernization of process automation equipment and production controls that have allowed to maintain efficient use of water. Due to the increase in the production of our products, it is not possible to reduce the amount of water consumed, the strategies are focused on the optimized use of the resource.
2019 Outstanding achievements

- We kept the water consumption in production at 5.3 m³/ton compared to the previous year.
- We reuse 100% of the rejection water as a result of demineralization in reverse osmosis equipment, which represents 100% of the incoming water we receive from the supplier.
- We treat 288 tons of waste from xylol-contaminated water at the wastewater treatment plant for final disposal.
- We designed and implemented different strategies for the efficient use, saving and conservation of water that we develop in awareness campaigns for all staff.
- We trained on the reverse osmosis procedure and operating conditions to reduce water loss in the water treatment process and optimize the operation.
- We trained operating personnel on valve management to reduce water consumption and avoid waste.
- We carried out follow-up, reports and analysis of water leaks, internal and external maintenance of sources, studies and tests of water quality, among others.

Socialization Activities

Water Day Campaign

We raised awareness about the importance of water, its adequate care and our important role in the conservation of this resource. With the Support of Triple A we carry out this campaign in the plants and administrative offices.
Socialization Activities

Training

We trained on the reverse osmosis process and the operating conditions to reduce water loss in the water treatment process.

We trained operating personnel on valve management to reduce water consumption and avoid waste.

Good use of water and energy resources

We carried out activities focused on the efficient use of water and energy, as well as preventive and corrective maintenance of hydraulic installations, an awareness campaign and monitoring of water consumption.

Initiatives 2018 -2020

- Maintain the indicator of water consumption in production.

- Continue with efficient consumption and water saving campaigns in bathrooms and common areas aimed at all staff with the support of suppliers.
5.3 Photovoltaic power generation

The photovoltaic energy project began in 2017 in search of innovative alternatives that would contribute to reducing costs and optimizing energy resources.

On the roofs of the Colombian plants, 15,237 solar panels have been installed since March 2017 with the purpose of generating clean and reliable long-term energy for the entire network of the plants, optimizing the organization's economic resources and assets and reducing the consumption of electrical energy from the network. The implementation of this project has been developed in alliance with Panasonic through its subsidiaries in Latin America.

We are executing the first phase of the project that has had environmental and economic benefits, currently we generate 6% of the energy of the group's plants at zero cost and we have an installed capacity of 4.84Mwp.

2019 Outstanding achievements

Initiatives to develop 2020 - 2021

- Implement other stages of photovoltaic generation until reaching 12 Mwp of installed capacity.
Laminated glass has transformed the industry because it is capable of providing durability, high performance, and multi-functional benefits such as safety, noise control, solar control performance, UV reflection, and resistance to hurricanes and earthquakes, without losing the good glass aesthetics.

Our continuous improvement process has allowed us to exceed the quality standards of the industry and has made laminated glass a unique project in all of Latin America with which we improve productivity because we will process 70 tons of crude glass daily, which represents a significant increase because with the traditional system only 23 tons of glass were produced. Another important aspect is that the machines are powered by the 2.4mwp installed in photovoltaic generation, which allows energy savings and the reduction of CO2 particles emitted into the environment, making this project friendly to the environment.

Initiatives to develop 2020 - 2021

Commissioning of the sorting plant with its optimal capacity.
5.5 Waste management and use

Committed to the protection of the environment and complying with all the requirements established in environmental legislation, we prevent contamination through the adequate disposal of waste and the rationalization in the use of natural resources.

We establish the following controls that guarantee proper waste management:

- Hazardous waste is treated through an authorized manager, over these controls are exercised in our life cycle guaranteeing final disposal or use. We always require the final disposition certificate.

- Used oils, batteries, batteries and waste from electrical and electronic equipment RAEEs are waste on which additional use can be obtained.

- The waste that is disposed in encapsulated safety cells are bio-sanitary, polysulfide, silicone, oily water, waste contaminated with paints and solvent

- Nn-hazardous waste is classified and subsequently recycled through third parties.
2019 Outstanding achievements

Waste management

- The waste generated in the year corresponds to:
  - 50% of recoverable waste.
  - 34% of non-recoverable waste.
  - 16% of hazardous waste.

- The comparative analysis of waste over the past two years shows an upward trend in the amount of waste generated, this is directly proportional with the increase of units produced. It should be noted that recoverable waste is the one generated in the highest volume, reflecting a positive environmental impact.

- We increased recoverable waste by 25% thanks to the strategies implemented by the Environmental Department to take advantage of the waste.

- Compared to the previous year, the amount of waste delivered for recycling increased due to efficiency in its management, which represents a greater collection of money for the sale of this material, which at its end is destined to the scholarship program sponsored by Tecnoglass Eswindows Foundation.
2019 Outstanding achievements

Below is the specific data on waste disposal:

- We recovered 15,971 tons of scrap glass, this represents an increase of 18% compared to 2018.
- We collected 14.2 tons of used oil and used it entirely as industrial fuel.
- We allocated 2,092 Kg of used batteries to the Mac Johnson post-consumption program, maintaining the percentage of use of this waste compared to the previous year.
- We recycled 1,434 kg of waste from electrical and electronic equipment RAEES, maintaining the percentage of use of this waste compared to the previous year.
- We delivered for recycling to specialized organizations: 198 tons of plastic, 630.6 tons of scrap metal, 25A tons of paper, 288 tons of cardboard, 196.9 tons of PVB and Sentry, increasing the recovery of this waste by 131% compared to the previous year.
- We delivered 2,059 tons of aluminum scrap waste for reincorporation into the aluminum profile manufacturing process.
- We coordinated the return of waste for post-consumption; such as toWners, cartridges, RAEES (“HP Planet Partners Program”), and batteries (“Mac Batteries” and “Battery with Environment Program”).
- We reused 100% of Canadian pine wood mats to make boxes that are used in the packaging of the finished product.
- We made the use of used tires to be used as slopes in the cells of the sanitary landfill, previously they were disposed of as ordinary waste.
- To measure the effectiveness in the management of the environmental system, an indicator on waste management was established in order to reduce the solid waste generated in the company that is sent to the sanitary landfill. To measure the effectiveness in the management of the environmental system this indicator is calculated taking into account the amount of recoverable waste over the total waste generated. It can be seen that we have exceeded the established goals and we have a positive trend compared to the previous two years.
2019 Outstanding achievements

Campaigns and Training

- We implemented an environmental training and education program, in which more than 2,500 people were trained in the following topics: separation at the source of solid waste (hazardous and non-hazardous), comprehensive waste management and efficient use of water resources and energy.

- We carried out a campaign in the workstations of the cutting tables on the classification of colorless glass for its use with the support of the Recoglass company. We work hand in hand with the inventory team to facilitate the rotation of the glass barrels and thus guarantee the availability of tools for classification.

- We participated in environmental events held in the country, such as:
  - "II Sustainable Development Forum" organized by Icontec, whose objective was to provide a space for knowledge and analysis of management, market and financing mechanisms, presenting current issues, trends and best business practices in environmental management, efficiency energy, climate change and circular economy.
  - "Carbon Footprint" Calculation of Carbon Footprint as a diagnostic tool. Conceptualization of the international methodology of the GHG Protocol and ISO 14064-1 for the elaboration of GHG Inventories, Guidelines on how to define a base year and how to track the organization’s emissions over time, learn to identify emission sources of GHG in the organization and calculate the GHG inventory of your organization.

Initiatives 2018 - 2020

- Carry out more campaigns to promote responsible consumption and citizen culture from the "r" s model (Reduce, Recycle, Reuse and Accountability) hand in hand with the support of outsiders in order to reach at least 70% of the collaborators.

- Maintain the focus of use, separation and classification of waste from the source to reduce the volume of waste generated.

- Fumigate export containers by means of electrostatic fogging with the aim of replacing the moderately toxic phosphamin chemical, positively impacting the environment and reducing risks of exposure to people.

Leading eco - efficiency and innovation
Socialization Activities

- **Caring for our planet**: We reminded our employees that the planet is a gift and that it is up to us to care for and maintain it for ourselves and future generations. We send messages through corporate mail.

- **Waste Classification Campaign**: We raised awareness among operational and administrative staff through a recreational activity on the importance of proper classification at the source according to our color code.

- **Handling of chemical substances**: We raised awareness among operating personnel on the correct handling of chemical substances in their jobs.

- **Campaign 6R**: Intended to promote the culture of recycling and care for the planet to strengthen order and cleaning activities in the workplace and thus maximize the use of resources while generating the least impact on the environment.

- **Caring for the environment**: Intended to promote caring for the planet through easy tips to apply in our daily lives and raise awareness about the importance of preserving our resources for future generations.
Our organization has an atmospheric emissions permit granted by Resolution 2483 of November 21, 2019 issued by Barranquilla Verde, effective until September 7, 2022.

In compliance with the resolution, we carried out an annual analysis of flue gases; the results of which were sent to the environmental authority, meeting the parameters stipulated in the resolution.

Socialization Activities

Tree planting day to commemorate Earth Day and highlight the importance of conserving our planet for future generations. The tree planting day was held at the boarding school with the accompaniment of the Company’s volunteers.
5.7 Technologies in our processes

The commitment to the responsible use of natural resources has invited the organization to adapt its computer systems to improve communications, minimizing reprocessing and positively impacting the reduction of paper consumption.

Promote the efficient use of materials and technologies respectful with the environment.

2019 Outstanding achievements

Paperless Project

- Network connectivity in all the warehouses of ESW1 and ESW2 allowing the integration of the production lines and together with a web application allows to know in real time the tons of aluminum that are cut in the production plants.
- We implemented the ESOFT software that allows the end user to make their quotation and view their window in 3D.
- We implemented with the Laserfiche platform a workflow for the delivery of personal protection items and equipment.
- We implemented in Laserfiche a workflow for taking evidence from import containers.
- We designed a mobile application for the relationship of dispatch and loading of export containers.

Operational Optimization

- We implemented the Robotic Process Automation (RPA) system for the invoicing process, reducing invoice preparation times, man-hour costs and reducing human error.
- We implemented the Robotic Process Automation (RPA) system for the aluminum supply process, reducing waiting times by the engineering area for aluminum purchase orders because the robot works 24x7. This performs inventory transfers, service transfers and purchase orders.
- We implemented the new quotation system for the Retail market. This allows our distributors to quote the Company’s window systems, entering areas and quantities, and allows the selected system to be viewed in 3D.
- We carried out the integration between ESOFT and our Production Order system (Fussion) so that 48% of the orders entered by ESOFT do not require re-typing, but rather the production process begins without human intervention.
- We optimized the Tecnosoft 2.0 information system, with the aim of improving the information and production processes of glass and aluminum plants.

The Information Technology department leads several projects that aim to eliminate the use of paper, integrate the Company’s processes and improve communications, and thus, ensure that all information is available in digital media, almost eliminating 100% of the printing of documents in those processes or departments.
Over the next two years we hope to finish the projects to carry out 100% of the manufacturing digitally (Zero Paper).

Develop a web and mobile application that reports the progress of production (cutting, die, assembly, assembly, packaging, finished product).

Implement Robotic Process Automation in other critical processes in the value chain.

Achieve that 90% of orders do not require digitation. Currently the design department is building in the system all the assemblies and manufacturing details of all the systems commercialized in the ESWINDOWS retail market.

Digitally integrate the information of the companies Tecno INC, Tecno LLC, Tecno RF, GM&P and ESMetals.

Design, develop and implement the application to feed the process map of the Tecnoglass S.A.S. companies. And ci. Solar Energy S.A.S. IS. Windows.
6
ENHANCING OUR ENVIRONMENT
Our company seeks to generate value for all the stakeholders with which it is related. From within the organization, suitable and accident-free spaces are promoted through the implementation of occupational health and safety programs that promote good work practices and respect and promotion of human rights. In addition, the training of workers and their families is encouraged and promoted, convinced that education is fundamental for the integral development and professional growth of human beings, seeking to encourage personal leadership and the formation of quality interdisciplinary teams. Furthermore, developing activities together with the Tecnoglass Eswindows Foundation to positively influence the community in the area of influence and beyond its limits.

Compromises associated with the pillar “Enhancing our environment”

- Generate quality work opportunities
- Promote and adopt the best labor and Human Rights
- Build and develop a comprehensive teamwork with innovating mentality
- Achieve an accident-free labor environment, supported by culture of health and safety
- Generate value for the communities in the areas of influence
6.1 Human Talent Management

**Outstanding achievements 2019**

**Communication channels**

We continued with the massive communication channels through emails, the human resources newsletter where activities, articles and information related to events held in the Company are announced to promote the well-being of operational and administrative workers.

Likewise, physical billboards are maintained where relevant information is communicated to operating personnel.

All employees have clear, timely and direct information. Additionally, it has a constant and direct approach by the Human Resources Department.

**Work Environment Improvement Plan**

We implemented the MANAGEMENT COMPETENCES 270 program, a tool for the development of leadership and people management in order to identify opportunities for self-perceived and perceived improvement by team members and raise awareness of good behaviors in stress management and the environment of work. With the information obtained, an individual diagnosis was achieved, and support was provided to leaders in those areas where stress management is greatest. We carried out an audit workshop where emotions management was addressed.

As a result of this process in 2019, it was evident that leaders incorporated knowledge and behaviors into their competences and created a leadership style based on emotions that generate a healthy and safe work environment.
2019 Outstanding achievements

Job creation

We are committed every day to providing job opportunities to a large part of the population in order to decrease the unemployment rate and provide an opportunity for growth. The graph below shows the number of admissions per year.

![Graph showing number of admissions per year]

Recruitment by Category Type and Gender

<table>
<thead>
<tr>
<th>CHARGE LEVEL</th>
<th>Males</th>
<th>Females</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIGH DIRECTION</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>MANAGEMENT</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>INTERMEDIATE DIRECTION</td>
<td>7</td>
<td>6</td>
</tr>
<tr>
<td>COMERCIALS</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>HEADS OF AREA</td>
<td>52</td>
<td>520</td>
</tr>
<tr>
<td>AREA COORDINATORS</td>
<td>132</td>
<td>56</td>
</tr>
<tr>
<td>ADMINISTRATIVES</td>
<td>465</td>
<td>250</td>
</tr>
<tr>
<td>OPERATIVES</td>
<td>3855</td>
<td>42</td>
</tr>
<tr>
<td>SENA APPRENTICE</td>
<td>50</td>
<td>21</td>
</tr>
<tr>
<td>PERSONAL EN OBRA</td>
<td>327</td>
<td>25</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>4899</td>
<td>420</td>
</tr>
<tr>
<td><strong>TOTAL EMPLOYEES</strong></td>
<td>5319</td>
<td>5319</td>
</tr>
<tr>
<td><strong>% MALE PARTICIPATION</strong></td>
<td>92%</td>
<td>8%</td>
</tr>
</tbody>
</table>

No. COLLABORATORS WHO EXERCISED THE RIGHT TO PARENTAL LICENSE DURING 2019

<table>
<thead>
<tr>
<th>GENDER</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>FEMALE</td>
<td>19</td>
</tr>
<tr>
<td>MALE</td>
<td>32</td>
</tr>
</tbody>
</table>

contracting by gender

92% 8%

Company executives (from 1st to 3rd level)

26%
2019 Outstanding achievements

Work Committee

The company has a Working Committee that allows to have knowledge of the needs and improvements that should be made to promote a better work environment, since it is a free space in which workers express their concerns and needs to improve the environment and thus we can provide them with a healthy workplace so that they can develop efficiently and productively.

During 2019, we monitored compliance with the issues raised by employees and the resolution of their concerns through the Decent and Productive Work Committee. According to the expressed needs, psychological support, training to improve job security conditions, interpersonal relationships and family dynamics are provided, always guaranteeing confidentiality.

Employee Benefits

The well-being of our collaborators and their family is fundamental for us, hence the benefits that we offer are not only aimed at employees, but also at the members of their family, seeking a comprehensive balance in which we are committed to improving every day the quality of life for them. Here are some of the benefits granted to all our collaborators:

- Life insurance policy
- Subsidy for prepaid medicine
- Birth aid
- Study aid for undergraduate and graduate employees
- Student scholarships for children of employees
- Housing aid
- Route service
- Paid parental leave
- Pediatric doctor appointments
- Sports assistance internal and external championships
- Seniority recognition program
- Direct loans with the company 0% interest

Conflict resolution

We have a coexistence committee that meets quarterly with the objective of establishing preventive and corrective measures to prevent and mitigate harassment in the workplace. There have been no cases reported in relation to these situations, but the committee’s work continues for the workers, designing strategies and programs that facilitate a healthy coexistence.

No Discrimination

In 2019 there were no cases of discrimination in the Company. Because we have had no cases for the past two years, we are focused on maintaining that the results remain the same, working under the strategies established and implemented by the coexistence committee.

We do not have a policy, initiative or program for the integration and non-discrimination of disadvantaged populations, but we welcome hiring and counting on our team with people with disabilities, young applicants for first job and any group of people who feel vulnerable and at risk of exclusion due to their sex, race, religion or political status. The company has people with disabilities in positions where they can develop perfectly according to their condition and that allows them to fully develop professionally. We have also had first-job youth who are currently direct employees.

Likewise, we give support to the neighboring population of the Las Flores neighborhood by providing employment to residents of this neighborhood and its surroundings. In our family of collaborators we have immigrant personnel recognizing that anyone has the right to a decent job without distinction or discrimination.
2019 Outstanding achievements

Training and teaching

The Company gives the opportunity to inexperienced people to develop skills and capacities, with a dignified life project.

- The Glass School program arises from the need for each of our collaborators to know in advance the Company’s base product, its origin, composition and generalities. In addition, they are taught to interpret plans and to work with the measurement tools to carry out the operation. All this with the aim of minimizing the risk of nonconformities in our product and avoiding reprocessing. We have worked on this program with the support of the National Learning Service Entity – SENA for its name in Spanish, and the results regarding the increase in knowledge of the collaborators and the decrease in errors and complaints have been satisfactory.

- We provided employees in the logistics and dispatch areas of Tecnoglass with technical training in “DOLCA” Distribution of Logistics Operations in the Supply Chain. Likewise, technological training in industrial processes for personnel in the production area, all with the support of SENA. The Company provides training spaces in its facilities and at established times for workers to study their careers whilst in the company, in order to acquire the necessary knowledge for the development of their functions and thus develop their skills. All this is reflected in improving productivity.

- We held Customer Service workshops to provide tools to collaborators to identify and develop the behaviors required to implement and enhance an effective customer service strategy, both internal and external, and, consequently, to promote fluency and performance of the organization’s processes.

- We trained our employees on the basic principles for the correct and safe handling of forklifts, encouraging responsibility and awareness through acts and safe conditions for the development of the operation. We developed topics related to safety protocols, forklift operation according to the type of load and manufacturer’s instructions, among others.

- We trained workers on the correct operation of the overhead crane, recognizing that it is one of our key teams in operation.

- We offered two trainings to publicize the criteria for the handling, packaging and security of goods and the criteria for container inspection.

<table>
<thead>
<tr>
<th>COMPLEMENTARY TRAINING-TECHNICAL AND TECHNOLOGICAL</th>
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</thead>
<tbody>
<tr>
<td>PROGRAM</td>
</tr>
<tr>
<td>GLASS SCHOOL- GLASS CUTTING</td>
</tr>
<tr>
<td>DOLCA TECHNICIAN -Development of Logistics Operations in the Supply Chain</td>
</tr>
<tr>
<td>INDUSTRIAL PROCESSES TECHNOLOGIST</td>
</tr>
<tr>
<td>CUSTOMER SERVICE</td>
</tr>
<tr>
<td>FORKLIFT OPERATOR TECHNIQUE</td>
</tr>
<tr>
<td>CRANE BRIDGE OPERATOR</td>
</tr>
<tr>
<td>PROPER MANAGEMENT OF GOODS</td>
</tr>
</tbody>
</table>

Enhancing our environment
Enhancing our environment

Initiatives 2020 - 2021

- Install and operate a casino from where all our employees benefit.
- Develop recreation and training programs for employees and their families.
- Continue to follow up on issues raised by employees on the various committees.
- Continue offering psychological support to employees according to their needs and provide training on security issues and interpersonal relationships, among others, in order to improve the working conditions of officials.
- Perform statistical monitoring of complaints and the resolution of these to make a work and training plan that is aligned to the specific needs of employees in order to create strategies to work on reducing complaints and nonconformities.
6.2 Occupational safety and health

Achieve an accident-free labor environment, supported by a culture of health and safety.

- The Company continually implements, maintains and improves its Occupational Health and Safety Management System ("SG-SST") in compliance with the requirements established in international standards and in compliance with the requirements of Colombian law.

- The management and leaders of occupational safety and health have established objectives, strategies and actions leading to the reduction of accidents, disease prevention and improvement of safety-oriented behavior, committed to optimizing working conditions in terms of safety and Health.

- In the framework of the SG-SST implementation, management programs have been established and executed aimed at controlling risks inherent in industrial and logistics processes, obtaining excellent results in terms of reducing accidents year after year since 2013.

- The development of the SG-SST has scope in administrative and operational activities that directly and indirectly impacts direct workers, in mission, contractors, clients, shareholders, visitors and the community in general. The objectives, strategies and actions in the field of safety, health and environment have achieved positive results in the organization.

2019 Outstanding achievements

Management Programs

- We obtained ISO 45001: 2018 certification for the Occupational Health and Safety Management System at Tecnoglass SAS.

- We implemented technological platforms in processes or activities in occupational safety and health with the aim of improving performance, we highlight: Laserfiche, Helpdesk, Talentum, SerCAE, Nova and others provided by ARL such as El Profe and the platform for the Administration Risk and Emergencies.

- We implemented strategies for the prevention of accidents and occupational diseases and achieve the objectives of the SG-SST with the support and allocation of resources from providers, ARL, EPS, contractors and temporary service companies.

- We implemented a predictive safety test with the support of the ARL whose objective is to identify workers with tendencies towards unsafe behaviors. We designed a program for the prevention of accidents caused by exposure to mechanical risk, we have the support of professionals to improve hand tools, control strategies for danger lines, machine safety, EPP approval and improvements in unsafe conditions in machines and tools.
2019 Outstanding achievements

- We acquired certified ladders to minimize the occurrence of fall accidents and include their control in the inspection program.
- We strengthened the fatigue and sleep program with prevention strategies and psychological support to improve the factors that affect accidents at night.
- We implemented Project A, which consists of a set of strategies that aim to change the risk behavior of workers in order to prevent injuries and occupational diseases. Through this strategy, the training of 42 security leaders was achieved, who develop behavior observation roles in their areas of competence, obtaining significant results in reducing the accident rate.
- We reduced the accident rate at Tecnoglass S.A.S. by 17%.

Occupational Health

- The company has strategic allies (suppliers) that provide occupational examination services as prescribed by law and in accordance with the profession where the charges are described and medical evaluations and diagnostic aids are determined taking into account the identified risks and dangers for the development of different positions or occupations.
- To control these suppliers, the Company designates financial, technical and human resources that allow audits of its Quality System and sufficiency reviews in accordance with the organization’s Audit Program.
- On the other hand, the Company has a network of health professionals (Physiotherapists, Psychologists, Occupational Doctors, Occupational Therapists, Nutritionists, etc.) to implement and maintain the PVE Epidemiological Surveillance Programs, which among others aims to contribute to the identification and control of hazards and the minimization of risks.

The following programs are available for non-work related medical and health care services:

- Cardiovascular risk: It is a cardiovascular Epidemiological Surveillance program that consists of determining the exposed population by calculating cardiovascular risk (Blood pressure, weight, height, abdominal circumference, BMI, history), identifying cases, referring to EPS, training by providing to workers tools to maintain healthy lifestyles and thus decrease the conditions that can trigger cardiovascular risk and prolong their life expectancy so that they are productive for their family, society and company.
- Non-work psychosocial risk: It is a program that evaluates the current state of the Company in relation to the intervention of psychosocial risk factors. Evaluates the intra-labor, extra-labor and individual factors of the employees, identifying the risk conditions and the protection of the aforementioned factors.

Participation and consultation

The Company determines mechanisms for the consultation and participation of employees, supplying the resources, time and training of workers at all levels of the organization; these activities minimize obstacles and barriers such as language, literacy, and allow timely access to clear, understandable, and relevant information on established policies.

The organization has several communication mechanisms, including email, COPASST, NOVA application, publications through televisions, billboards, socializations in the workplace, among other mechanisms that allow workers to be informed or receive information related to Safety and Health at Work.
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100% of the workers are represented in these participation and consultation mechanisms, we highlight the following:

- **Mutual Aid Committee.** It is made up of the areas responsible for the emergency preparedness and response plans of the neighboring companies in the Las Flores neighborhood sector, representing the Company with SST leaders. This committee aims to identify resources for risk prevention and emergency control in the Company’s environment, as well as participation in drills.

- **Joint Committee on Safety and Health at Work (COPASST).** The committee is made up of workers’ representatives with their respective alternates elected by vote. It is also made up of employer representatives with their alternates.

- **Labor Coexistence Committee.** The committee is made up of workers’ representatives with their respective substitutes, as well as an employer representative with their substitutes.

- **Road Safety Committee.** Made up of workers who, due to their role within the organization, impact on the fulfillment of the strategic road safety plan.

- **Committee of Security Leaders.** Made up of process coordinators in charge of reporting safety conditions and behavioral observations.

- **Change Management Committee.** This committee led by the head of OSH and representatives of COPASST in company with the leaders participate in changes that impact OSH such as changes in technology, working methods, new processes or projects, infrastructure, facilities and equipment.

- **Research Committee.** Its purpose is to investigate the facts, causes and situations that have caused incidents and accidents at work, and implement corrective measures aimed at eliminating or minimizing risky conditions and preventing their recurrence. The area heads, SST representative and COPASST representative participate in this committee.

Enhancing our environment

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**2019 Outstanding achievements**

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100% of the workers are represented in these participation and consultation mechanisms, we highlight the following:

- **Mutual Aid Committee.** It is made up of the areas responsible for the emergency preparedness and response plans of the neighboring companies in the Las Flores neighborhood sector, representing the Company with SST leaders. This committee aims to identify resources for risk prevention and emergency control in the Company’s environment, as well as participation in drills.

- **Joint Committee on Safety and Health at Work (COPASST).** The committee is made up of workers’ representatives with their respective alternates elected by vote. It is also made up of employer representatives with their alternates.

- **Labor Coexistence Committee.** The committee is made up of workers’ representatives with their respective substitutes, as well as an employer representative with their substitutes.

- **Road Safety Committee.** Made up of workers who, due to their role within the organization, impact on the fulfillment of the strategic road safety plan.

- **Committee of Security Leaders.** Made up of process coordinators in charge of reporting safety conditions and behavioral observations.

- **Change Management Committee.** This committee led by the head of OSH and representatives of COPASST in company with the leaders participate in changes that impact OSH such as changes in technology, working methods, new processes or projects, infrastructure, facilities and equipment.

- **Research Committee.** Its purpose is to investigate the facts, causes and situations that have caused incidents and accidents at work, and implement corrective measures aimed at eliminating or minimizing risky conditions and preventing their recurrence. The area heads, SST representative and COPASST representative participate in this committee.
2019 Outstanding achievements
2019 Outstanding achievements

Accident Rate

The accident rate refers to the number of qualified accidents. For the OSH SG this indicator is highly relevant because when identifying the causes that originate them, they can adapt and modify the objectives, goals, management programs and training activities. The foregoing in order to mitigate risks in accordance with the provisions of legal regulations and the operational needs of companies. We present the results below.

C.I. Solar Energy S.A.S. E.S. Windows

The accident rate in 2019 was 2.92% of total direct and temporary employees. There were no workers who died due to an occupational accident. The annual average of male hours of work was 9,046,080 HHT.

Tecnoglass S.A.S.

The accident rate in 2019 was 3.3% of the total of direct and temporary employees, compared to the previous year a reduction of 17% was evident. There were no collaborators who died due to an occupational accident. The annual average of male hours of work was 7,314,048 HHT.
2019 Outstanding achievements

Training and Coaching

The scope of the training program on occupational safety and health is for all levels of the organization. Platforms such as El Profe provided by ARL Seguros Bolívar, strategic alliances with SENA, training conducted by professionals from ARL Seguros Bolívar, training centers, induction and reinduction processes, among other means, are used. The following trainings are highlighted:

- Project A: Trained 42 leaders in Occupational Safety and Health to strengthen the strategy of safe people by observing behavior during activities.
- Active breaks in administrative and operational areas.
- Publication of chemical compatibility matrix in the different areas of the plant (November).
- Forklift operator course.
- Crane bridge operator course.
- Retraining Advanced safe working at heights.
- Training with carpentry personnel on the correct use of pneumatic guns.
- 3m height equipment inspector training.
- Click: Reinforcement of knowledge about basic causes and immediate causes in more frequent AT of hands.
- Training in the use of rescue teams for Brigadistas and personnel.
- Retraining to Basic and Advanced Brigade.
- Day of safety and health at work.
- Safe operation of drills.
- Safe handling of sharp tools.
- Manual lifting and handling of loads.
- 50 hour course at SG-SST.
- Prevention of psychoactive substance use.
- Prevention of industrial noise.
- Induction and Reinduction in Safety and Health at Work.
- Daily safety talks on PPE Use, Hand Care, Self Report of Conditions in the workplace, Danger line and awareness of the use and care of emergency stops, covering figurative glass, among others.

We participate in the following congresses:

- ORP Madrid Spain International Congresses, 2 participants.
- Health and Safety Congress Colombian Security Council, 2 participants.

Enhancing our environment

2019 Outstanding achievements
ACTIVITIES

- Participation VIII Brigade Meeting organized by the Professional Risk Manager Seguros Bolívar.

- Alcohol Consumption Prevention Campaign.

- Enhancing our environment Handwashing Campaign.

- Training in the safe use of pneumatic nail guns.
ACTIVITIES

- Training of the Emergency Brigade.
- Emergency drill.
- Activities with COPASST.
- Healthy lifestyles program.
Enhancing our environment

Initiatives 2020 – 2021


- Follow-up to the Project (A) behavioral safety program for leaders, with the aim of reducing accidents due to unsafe behavior.

- Reduce mechanical risk accidents on machines or tools by implementing a mechanical risk program to improve controls for machine safety and a strategy for managing the hazard line and inspection program.

- Implement software to improve the control processes of personal protection elements, area inspections and task observations.

- Implement security strategies to reduce accidents due to deviations in glass handling and protection of figured glass.

- Evaluate specific safety standards for tasks at height in order to reduce accidents due to falls at different levels.

- Design the “Back School” strategy to extensively treat the causes of qualified musculoskeletal diseases by defining anthropometric profiles by positions, analysis of preventive jobs and behavior observation program centralized to biomechanical behaviors.

- Carry out a legal technical review of all epidemiological surveillance programs and health programs.

- Improve the fatigue and sleep program with strategies focused on factors related to night-time.

- Continue with the continuous improvement of the risk and disaster management plan.
Promote and adopt the best labor and human rights practices.

Our Board of Directors approved the Human Rights Policy that includes our commitment to support and respect human rights so as not to violate them.

There were no situations of workplace harassment or conflict registered before the Coexistence Committee, the competent body to hear them.

We held workshops on managing family dynamics and strengthening the intra-labor social support network.

We improved jobs to provide appropriate and safe spaces for the development of the functions of workers.

2019 Outstanding achievements

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- We held workshops on managing family dynamics and strengthening the intra-labor social support network.
- We improved jobs to provide appropriate and safe spaces for the development of the functions of workers.

Initiatives 2019 - 2020

- Raise awareness among workers to report any situations that violates human rights.
- Promote campaigns that encourage respect for human rights and duties and peaceful coexistence.
6.4 Labor Standards

2019 Outstanding achievements

Principle 3
Companies must respect freedom of association and the effective recognition of the right to collective negotiation.

- We had zero “0” unionized people due to the high levels of job satisfaction of our collaborators and communication channels.
- We continue with the Decent Work Committee that evaluates the needs of our collaborators in relation to routes, facilities, social and personal relationships.

Principle 4
Companies must support the elimination of all form of forced or coerced labor.

- We did not receive any complaint or complaint about forced or forced labor.
- We allowed our workers freedom in the execution of their functions, always promoting compliance with corporate values in their development.

Principle 5
Companies must support the effective abolishment of child labor.

- All our collaborators are of legal age and from the beginning of the personnel selection process we guarantee the non-hiring of minors.
- There were 0 incidents of discrimination reported by collaborators.

Principle 6
Companies must support the abolishment of discrimination practices in respect to employment and occupation.

- We have employees with disabilities, we promote the integral development and social inclusion of the people who need it most, such as the hiring of personnel from Las Flores (neighboring vulnerable area). Likewise, we hire inexperienced employees developing skills and abilities to build a decent life project with them.
- Non-discrimination is guaranteed in the personnel selection process, always choosing the person who meets the profile of the position regardless of sex, religion, political ideology or any other aspect that tends to promote discrimination.
- We guarantee growth opportunities within the company.

Generate quality job opportunities.
Promote and adopt the best labor and human rights practices.
**Initiatives 2019 - 2020**

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<td>Design an improvement plan to build, renovate and promote a better work environment, always guaranteeing confidentiality. Disseminate the Human Rights policy that contemplates our commitment to respect freedom of association and the effective recognition of the right to collective bargaining.</td>
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<td>4</td>
<td>Disseminate the Human Rights policy that includes our commitment to eliminate all forms of forced or coerced labor.</td>
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<tr>
<td>5</td>
<td>Promulgate and disseminate the Human Rights policy that includes our commitment to effectively abolish child labor.</td>
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<tr>
<td>6</td>
<td>Disseminate the Human Rights policy that includes our commitment to abolish discrimination practices in employment and occupation.</td>
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</tbody>
</table>
6.5 Tecnoglass ESWindows Foundation

- The Tecnoglass ESWindows Foundation is a non-profit entity that seeks to promote and improve the quality of life of the Company's stakeholders through projects and programs for transformation and social progress.

- The Tecnoglass ESWindows Foundation develops its social purpose through 4 strategic axes: Education for Progress, Hand in Hand with the Communities, Social Intervention and Promoting Culture and Sports, significantly to the development of the region and the country.

Hand-in-Hand with the Communities

Generate value in the communities of the area of influence.

The Company, hand in hand with the Tecnoglass ESWindows Foundation, supports and generates projects of great impact for the communities. It has developed infrastructure projects in various neighborhoods of Barranquilla such as La Playa, Las Flores and Rebolo, improving the safety and quality of life of its inhabitants.
Outstanding achievements 2019

Transformation of the Rebolo neighborhood

This initiative began in 2018 with the recovery and improvement of 28 houses of inhabitants of Rebolo neighborhood, which were transformed under the inspiration of the icon of La Ventana al Mundo into paths of color and joy.

In 2019 we built a 126 m² concrete court with anti-impact mesh enclosure and a 64 m² children's play area in synthetic grass. This project has benches for caregivers and adults, giving the community a new space for healthy recreation for families and children. With this contribution, we seek to promote sports activities and the good use of free time.

Advantages and scope

- Creation of a leisure space that promotes family time and implies the progressive improvement of its social structure.
- Strengthening of the cultural identity and sense of belonging of the inhabitants of the neighborhood.
- Create awareness in the community about the importance of taking care of public spaces.
La Ventana al Mundo continues to be one of the most important tourist and cultural attractions of the city and the country, a space desired by all who come to Barranquilla for its imposing height, play of colors and recreational space.

In 2019 this monument celebrated its first anniversary, and we organized an afternoon of games and gifts to share and celebrate this symbol of the city. We received more than 3,000 attendees among children, youth and adults who enjoyed a delicious cake 4 meters long while they accompanied us on this magical day.

Additionally, La Ventana al Mundo was the scene for the celebration of Children’s Day, the lighting of 468,000 led lights of the tallest Christmas tree in Colombia and the celebration of these holidays with a Christmas montage full of colors and music.

We are proud to see how this monument has become a window for fashion and fun, making it a stage to carry out international events such as Mobaq, which seeks to highlight the artistic and creative talent of many designers in the region.

Together with the Foundation, we are committed to turning this monument into a space for family sharing, where inclusion, cooperation and integration between the different communities prevail.

Advantages

- Represents the identity and history of Barranquilla.
- It is strengthened as a meeting space to share with the family.
- An emblematic place that offers the opportunity to honor different special dates and iconic moments in the city.
- Considered one of the most important tourist attractions in the country. Potentiates the economic development of people with informal work in the area of influence.

Rebolo neighborhood transformation

- Restructure by means of this social intervention not only spaces destined for recreation and sport but also to achieve a transformation of the social imagery of children, youth and adults in the neighborhood.
- Continue to contribute to social development in the neighborhood community.

La Ventana al Mundo

- Continue generating cultural and recreational spaces for families.
- Promote the interaction between culture, development and tourism.
- Reinforce the commitment to work for the development and progress of nearby communities and society in general, by carrying out activities to commemorate the days celebrated worldwide such as Children’s Day, Mother’s Day, Environment Day, Christmas.
Recognizing that it is essential to strengthen individual growth and family ties, we carry out social intervention program using means such as sports, dancing and other activities that contribute to the progress of the most vulnerable communities. The focus of this strategy is to transform social challenges into windows of opportunity.

**Outstanding achievements 2019**

**Vive Bailando**

We continue developing with the Vive Bailando Foundation the social intervention program in the Las Flores neighborhood, one of our areas of influence. The Live Dance Program uses dance, body and movement as a pedagogical instrument for the positive transformation of young people, strengthening their socio-emotional skills and enhancing their personal, family and social development.

In 2019, the impact was reflected in the skills of 80 children and adolescents participating in the program, who evidenced the modification of their social imagery, increasing levels of respect, self-care, self-esteem and values. Additionally, leadership, healthy coexistence, communication, attitudes and appropriate behaviors were strengthened in the program participants.

**Colombia: A Field to Dream and Grow**

Colombia: A Field to Dream and Grow is a program developed in partnership with the Colombia Somos Todos Foundation, by Colombian soccer player James Rodríguez, which is in place since 2016 in different places in Barranquilla and Ibagué. This program focuses on 4 strategic axes: social technology (psychology), play and sport, citizen skills and cognitive development that are carried through activities and workshops.

In 2019 we carried out the program in the Las Flores neighborhood with the participation of 100 children and teenagers between the ages of 7 and 17, who, with the support of an interdisciplinary team of professionals in cognitive development, psychology and sport, strengthened their psycho development -affective, discipline and responsibility. Likewise, creating healthy habits in their daily lives.

**Volunteering**

The Company has a group of volunteers that amounts to more than 40 collaborators, who are interested in supporting environmental, social and cultural activities to contribute positively to society.

During the year 2019, one of the activities that they developed in alliance with Siembra Barranquilla was the planting of 30 trees on the grounds of the Monseñor Víctor Tamayo Boarding School, this activity was carried out with the help of 96 children from the Boarding School, who received information of the importance of caring for the environment and preserving green areas.

**Initiatives 2020 - 2021**

- Continue with the Live Dancing project to continue strengthening the participants’ socio-emotional skills in order to contribute to the progress of our nearby communities.

- Continue to implement the Colombia: A Field to Dream and Grow Up project in Las Flores neighborhood as a social intervention strategy that promotes development in the community.

- Strengthen the internal program of Corporate Volunteers in order to sensitize and inspire employees to build, in the midst of difficult contexts, actions that can contribute to the least favored.
Education for Progress

For the Company, education is one of the key pieces for the progress of the communities, that is why we focus on offering quality programs for children, youth and adults. We have developed programs that seek to provide access to quality education such as the Scholarship Program, aimed at employees and children of employees, the Merit Scholarship program and Educational Sponsorship for primary and secondary students.

2019 Achievements

- We sponsored through the University Scholarship program aimed at employees and children of employees 189 people who advanced their technical, technological and university studies in different institutions and universities of the region.
- In 2019 we sponsored 6 students with the Merit Scholarship program, we currently have 19 beneficiaries.

Initiatives 2020 - 2021

- Maintain the educational support program for undergraduate and graduate students in order to improve future education, personal, professional and job growth of company employees and their families.
In the cultural and sports field, we develop various spaces that promote identity creation, social inclusion, talent development and the skills of citizens. We consider that encouraging physical activity and healthy habits, in addition to the good use of free time, are some of the benefits that sport provides in childhood and youth. This is why many of our meetings revolve around sport, which is key to strengthening fellowship, teamwork, and leadership.

### Sporting Football Club

2019 Achievements

- We supported and accompanied two children from the Sporting Football Club team to participate together with the Key Biscayne Soccer Club in the Disney Memorial Day Soccer Tournament, in which they demonstrated their excellent skills with the ball that even led them to be the championship winners.

- After their excellent performance in the United States, we continue to support these two children to go even further. The next stop for these young footballers was Marbella, Spain. They traveled with the Key Biscayne Soccer Club, to play team.

### Initiatives 2020 - 2021

- Continue supporting sports talent in children and youth in the city of Barranquilla.
GLOBAL COMPACT
PROGRESS COMMUNICATION
Committed to the principles of the global compact and the sustainable development goals adopted by the United Nations, we present below how they are aligned with our sustainability strategies and initiatives.

### Principle 1: Companies must support and respect the protection of globally recognized human rights, in their area of influence.

**Global Compact Principle:**

- Enhance our environment

**Sustainable Development Goals:**

- Promote and adopt the best labor and human rights practices.
- Generate quality job opportunities.

**Pillar of strategy:**

- Enhancing our environment

**Initiatives:**

- Promote and adopt the best labor and human rights practices.
- Form and develop an integral work team with an innovative mindset.
- Achieve an accident-free labor environment, supported by a culture of health and safety.

### Principle 2: Companies must ensure that they do not act as accomplices to human rights violations.

**Global Compact Principle:**

- Enhance our environment

**Sustainable Development Goals:**

- Promote and adopt the best labor and human rights practices.

**Pillar of strategy:**

- Enhancing our environment

**Initiatives:**

- Promote and adopt the best labor and human rights practices.

### Principle 3: Companies must respect freedom of association and the effective recognition of the right to collective negotiation.

**Global Compact Principle:**

- Enhance our environment

**Sustainable Development Goals:**

- Promote and adopt the best labor and human rights practices.
- Generate quality job opportunities.

**Pillar of strategy:**

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**Initiatives:**

- Promote and adopt the best labor and human rights practices.
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**Global Compact Principle** | **Sustainable Development Goals** | **Pillar of strategy** | **Initiatives**
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Principio 8: Companies must encourage initiatives that promote greater environmental responsibility. | 6 CLEAN WATER AND SANITATION | Leading eco-efficiency and innovation. | Encourage energy efficiency of the operation and the products. |
Principio 9: Companies must promote the development and diffusion of environmentally friendly technologies. | 12 RESPONSIBLE CONSUMPTION AND PRODUCTION | Leading eco-efficiency and innovation. | Position an innovation and quality approach in all the company's processes. |
Principio 10: Companies must work against all forms of corruption including extortion and bribery. | 16 PEACE, JUSTICE AND STRONG INSTITUTIONS | Promoting continuous, ethical and responsible growth. | Conduct our business with integrity, ethics and transparency. |

**Global Compact Progress Communication**

**Global Compact Principle Initiatives**

**Pillar of strategy**

- Leading eco-efficiency and innovation.
- Promoting continuous, ethical and responsible growth.

**Initiatives**

- Encourage energy efficiency of the operation and the products.
- Position an innovation and quality approach in all the company's processes.
- Conduct our business with integrity, ethics and transparency.
- Adopt best corporate governance practices that facilitate decision-making and accountability.
8

GRI STANDARDS

TABLE
Global Reporting Initiative

Tecnoglass Inc has decided to report on progress with Global Compact through this Sustainability Report, using as methodology principles and indicators of the Global Reporting Initiative (GRI) and other performance indicators set forth by management.

Below is a guide to the GRI indicators taken as reference in this report:

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