

SUSTAINABILITY REPORT 2022

GRUPO
URCN 
ENERGIA





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01. PRESENTATION



MESSAGE FROM THE BOARD OF DIRECTORS GRI 2-22

Dear shareholders, employees and partners,

It is a great pleasure to announce the executive summary of the first Sustainability Report in the history of **Grupo Urca Energia**. This document registers an important milestone in our journey towards excellency in corporate responsibility and ongoing commitment with the generation of renewable energy and sustainable practices.

Our goal is to invest in the present to revolutionize the energy of the future.

Our Group was born from the dream of promoting a positive impact in society by supporting Brazilian companies with effective solutions for energy transition. In **Gás Verde** we produce biomethane, a 100% renewable fuel; in **Urca Gás**, we transport this fuel to industry and to gas stations, besides performing natural gas trading operations; in **EVA Energia**, we transform environmental liabilities into 100% renewable electric power; and in **Urca Trading**, we commercialize renewable energy in order to find the best value for our clients' money.

Today we celebrate the concrete results achieved thanks to the combined efforts of our employees, partners and shareholders committed to a greener, more sustainable and, of course, more profitable future.

Throughout this Report, you will find detailed information about our environmental, social and economic performance over 2021 and 2022. The year 2022 was the first year that Gás Verde operated under Grupo Urca Energia control.

The Report's narrative is based on the **Global Reporting Initiative (GRI)** methodology, and it consolidates the efforts we made in the last two years as of the creation of the **ESG Committee** – comprised by deputies of the Group's strategic areas, ensuring the perspective of the whole organization.

The journey towards decarbonization in the national industry is ongoing and challenging. With our team's dedication and experience in the energy sector, which is key to the success of the company's planning and operation, we are sure to keep overcoming barriers and achieving results even more impressive in the future.

We thank everyone who is part of this trajectory, making possible the environment preservation, good business deals and acting as the main character in the Brazilian energetic transition. We believe in a future that is more socially and environmentally responsible. Together, we can build a clean energy-driven world, healthier and more vibrant to the future generations.

Good read!



Mauricio Carvalho
Founding Partner
and Executive Director
of Grupo Urca Energia



Marcel Jorand
CEO of Gás Verde,
Shareholder and Executive Director
of Grupo Urca Energia



WHAT WE BELIEVE

Do you think it is possible to protect the environment and to make good deals?

When we started, we made the same question. Today, the answer helps us revolutionizing the way of producing and consuming energy in Brazil.

Hello, we are Grupo Urca Energia. We invest in intelligent and renewable energy. That is, we invest in the future. In a country that is driven by clean energy.

Optimistic? Yes. A better world is possible. But we do not believe in easy recipes. For us, the world is better with transparency, effective actions, responsible investments, entrepreneurial attitudes and hard work.

We transform these values into real solutions for companies, industries, startups, governments, the agribusiness and for everyone who believes in a more socially and environmentally responsible future.

If you think investing in the future of energy in Brazil is a bold plan, well, you are completely right. We are bold so we can create the change that we desire.

We are bold in our solutions for a sustainable Brazil. And if we are investing in the future, we better start today. Because today is the day to invest in social, environment and good governance.

Today is the time to protect the environment against polluting gases. Today is the time to transform waste into 100% renewable energy. Today we begin the transition to a cleaner matrix.

Today is the day to revolutionize the future of energy in Brazil.

[Click here and watch our video manifest.](#)





ABOUT THE REPORT GRI 2-3

This first Report presents the information from the Grupo Urca Energia between the period from **January 1st to December 31st 2022**, in addition to bringing references from 2021, duly noted throughout the text. It was prepared based in the GRI standards and presents the qualitative and quantitative indicators related to the priority material subjects identified in our first materiality matrix, made throughout 2022.

If you have any questions, suggestions, criticisms and/or want to know more details, contact esg@urcaenergia.com.





HIGHLIGHTS

Reduction of greenhouse gases



+18%

of greenhouse gas prevented in the atmosphere thanks to the use of biomethane instead of fossil fuel. Gás Verde prevented the emission of 113.425 tCO₂e.

Emission of greenhouse gases



-22%

of internal emission within Gás Verde, which represents a 94% reduction of our clients' biomethane emission.

Generation of renewable energy Gás Verde



+18%

OF GROWTH IN BIOMETHANE PRODUCTION

35 million M³ of biomethane in 2022.

This production would be enough to walk 78 million km or to give two thousand turns around the Earth.

Generation of renewable energy EVA



+1086%
OF GROWTH

50,037 MWh renewable generated in 2022,

which would be enough to provide to more than 71 thousand inhabitants.

Energy trading with Urca Trading



287%
OF GROWTH IN 2022

+ 1,5 million MWh of traded energy

Client satisfaction



+45 clients
IN 2022

From 12 to 57 clients served with renewable fuel and/or clean energy, such as Ambev, Ternium, Oi and more than 15 gas stations in the state of Rio de Janeiro.

Gross revenue (Grupo Urca)



+219%
OF GROWTH IN 2022

BRL 611,303,001

Investments (Grupo Urca)



+ BRL 11 million
BETWEEN 2021 AND 2022

Diversity and inclusion



38%

of Grupo Urca Energia employees declare themselves as Brown (mixed-races), Black or Yellow (Asian).

11%

Are people over 55 years old.

No accidents



GRUPO URCA ENERGIA

472 days

URCA GÁS

898,325 km
COVERED

with safety to deliver biofuel to industrial clients and gas stations.

Social impact



+ BRL 600,000
IN SOCIAL AND EDUCATIONAL PROJECTS

NOVA IGUAÇU FUTEBOL CLUBE, assisting

330

children and teenagers.

R&D PROJECTS,

in partnership with IFSC - Instituto Federal de Educação, Ciência e Tecnologia de Santa Catarina, assisting more than

12

students and partner teachers.

Environmental attributes in 2022



57,192

CBIOS EMITTED

300% growth compared with 2021

3,5 m

OF BIORECS EMITTED

54,256

I-RECS GENERATED



MATERIALITY MATRIX GRI 3-1, 3-2

In 2022, we created our first materiality matrix with the support of a consulting company specialized in the sector, NINT. From a study on the sector and its impacts, aiming not only market pairs and their **KPIs**, but also the vision of great ratings, frameworks and indicators, such as GRI, SASB, MSCI, S&P Dow Jones Indices and Moody's, we identify the material subjects that cross company impacts with climate change and the possible financial impacts resulting from our operation. The study was carried out in four stages:

- Sectoral measurement – we carry out a market study, assessing competitors, trends and the most relevant topics on the sector.
- Consultation with stakeholders – we consult 69 stakeholders via online questionnaire, including employees (64), customers (2), professional entities (1) and investors (2).
- Materiality consolidation – we consolidate material topics based on feedback from stakeholders, according to the GRI methodology

and the analysis of each stakeholder group, and subsequent weighting by sectoral relevance.

- Materiality validation – we validate with the Group's board of directors the main material topics, described as priority subjects, based on the materiality consolidation and the market study. Materiality is a concept used to identify the main thematic areas of the company, in order to allow accountability for the impacts generated in the economic, social and environmental spheres. The study is normally carried out with stakeholders, who are the parties directly impacted by the company's operations.

The goal of implementing the ESG materiality matrix (Environmental, Social and Governance) in Grupo Urca Energia is having a tool that allows you to identify and prioritize the subjects and issues that are most relevant and impactful to sustainable performance and corporate responsibility in the Group's companies.

The main purpose of this matrix is:

Identifying risks and opportunities

Environmental, social and governance risks that may affect operations and opportunities for value creation, allowing proactive management of these issues.

Prioritizing actions

By highlighting the most critical and relevant topics for the company and its stakeholders, the matrix assists in defining priorities for allocation of resources and in the implementation of concrete actions.

Improving transparency

Increasing transparency and communication with interested parties, demonstrating a commitment to corporate responsibility and accountability, mainly to our clients.

Preparation for compliance with regulations and standards

In many jurisdictions, the disclosure of ESG information is required by regulators, investors and other interested parties. A materiality matrix helps ensuring that information disclosed is in line with the regulatory requirements, guiding the Group through this transition.



Strengthening engagement with stakeholders

An ESG materiality matrix allows companies to understand the concerns of their stakeholders and thus strengthen involvement and the relationship with these interested parties.

In summary, implementing an ESG materiality matrix was a fundamental part for the strategic management of environmental, social and governance issues within Grupo Urca Energia.

The most relevant subjects according to the group of stakeholders consulted are placed in the table below. **Prevention and control of pollution (soil, accident) & Waste management** was considered a priority for the three groups of stakeholders assessed.

| Stakeholder Group | Prevention, monitoring and combating corruption | Prevention and control of pollution (soil, accident) & Waste management | Management of greenhouse gas emission | Respect to Human Rights and prevention of its violations | Responsible relationship with the client | |
|-----------------------------------|---|---|---|--|--|---|
| Board, investors and shareholders | Prevention, monitoring and combating corruption | Prevention and control of pollution (soil, accident) & Waste management | Management of greenhouse gas emission | Respect to Human Rights and prevention of its violations | Responsible relationship with the client | |
| Employees | Research, production and trading of renewable energy | Responsible relationship with the client | Prevention and control of pollution (soil, accident) & Waste management | Management of health, safety and environment | Management of energy consumption | Respect to Human Rights and prevention of its violations |
| Clients | Prevention and control of pollution (soil, accident) & Waste management | Management of greenhouse gas emission | Prevention, monitoring and combating corruption | Management of health, safety and environment | Research, production and trading of renewable energy | Climate change: adaptation and mitigation Promotion of social development and access to energy |





Following the GRI guidance, based on the consolidation of stakeholders' feedback, we identified and analyzed impacts according

to the company context and determined the material subjects, prioritizing the most significant ones. Sixteen material subjects have been

identified, classified into three categories: priority, very important and important.

| Priority |
|--|
| Prevention, monitoring and combating corruption |
| Management of health, safety and environment |
| Research, production and trading of renewable energy |
| Climate change: adaptation and mitigation |
| Promotion of social development and access to energy |
| Prevention, monitoring and combating corruption |

| Very important |
|--|
| Management of greenhouse gas emission |
| Board of directors |
| Management of energy consumption |
| Respect to Human Rights and prevention of its violations |
| Environmental strategy - socio-environmental impact assessment of the investment |
| Attracting and developing people and promoting diversity |

| Important |
|--|
| Responsible relationship with the client |
| Environmental management: water and effluents/ Conscious use of natural resources |
| Auditing and internal controls |
| Integration of social and environmental factors within the supply chain |



Defining primary material subjects:

| ESG Aspect | Primary Material Subject | Why the subject is material? |
|----------------|---|---|
| Climate change | Climate change: adaptation and mitigation | Due to the climate change worsening, the way we relate to natural resources, especially with fossil fuels, is changing. We recognize the urgency of the energy transition to combat climate change. This way, we invest more and more in technologies for renewable fuel, especially biomethane. |
| | Research, production and trading of renewable energy | For a fair energy transition, we need to invest in new technologies to the point where they become attractive and financially viable. We invest in R&D projects, besides operating in the free energy market, making renewable energy available to any installation connected to the Brazilian National Interconnected System (SIN - Sistema Interligado Nacional). |
| | Prevention and control of pollution (soil, accident) & Waste management | We recognize and map operational risks that may cause pollution and develop procedures to mitigate them. We always comply with legal requirements. More than that, we seek to anticipate the requirements and we actively listen to our stakeholders, seeking efficiency in our operations. |
| Social | Management of health, safety and environment | Our main asset is our employees. We ensure health and safety in operations. We invest in training and qualification. |
| | Promotion of social development and access to energy | Access to electrical energy is essential for development and quality of life. Sustainable development must reach community agents across the board. We contribute to renewable energy generation, diversification of the Brazilian energy matrix and supply of biomethane in regions with no access to gas pipeline. We are committed to social development in communities surrounding our operations, seeking local manpower and promoting education through health and sports projects. |
| Governance | Prevention, monitoring and combating corruption | Transparency is one of our principles and values. This way, our priority is to act against corruption, provide tools that ensure the Group's good governance and carry out safe negotiations, which comply with market laws, rules and standards. We promote transparency with different audiences interesting for all our negotiations, competitions and relationships. |



THE ENERGY MARKET IN BRAZIL

Energy is one of the main consumer goods currently and its relevance grows exponentially, both in industrial processes and in people's daily lives. Its consumption increases by around **2% per year** and is estimated to double in next 30 years if we continue living in the current molds, with a digital world increasingly vibrant and technological. In addition to its use, the energy is one of the main agents of the **economy**, it contributes to **GDP**, creates **jobs**, promotes **social development** and develops **infrastructure**. However, the way she is mostly generated from fossil fuels, is the subject of a global discussion.

main agents).² In Brazil, this sector responds for around **24%** of these emissions. Furthermore, studies show that its representation is increasing, since in 30 years (1990-2019) the emissions in the sector grew **114%**.³

Generating renewable energy is essential to accelerate the energy transition towards decarbonization.

Brazil is a signatory country to the Paris Agreement*. **One of the country's goals is reducing 37% of its GHG emissions by 2025, with subsequent reduction of 43% by 2030**, based on 2005 levels. During COP 26, in 2021, Brazil updated its contribution and set as a goal the presentation of an energy matrix composition **45%-50%** renewable by 2030. Therefore, the Brazilian government committed to launching programs that assist the energy market, especially the biogas and biomethane market.



7 AFFORDABLE AND CLEAN ENERGY



The **UN** includes affordable and clean energy as one of the **Sustainable Development Goals (SDG7)** in the 2030 Agenda. The intention is to guarantee access to reliable energy, with an affordable and sustainable price for everyone.

Approximately 73% of greenhouse gas (GHG) emissions in the world comes from the energy sector (transport, industry and electricity are the

**The Paris Agreement is a commitment approved by the 195 member countries of the United Nations in 2015. Its goal is to join efforts to reduce greenhouse gases emissions on Earth, in order to limit the increase in the average global temperature to 1.5°C above pre-industrial levels by 2030. Brazil is a signatory country of the Agreement and presented, in 2016, the process of ratifying its goals. This way, Brazilian goals were no longer intentions, becoming official commitments.*



COP 26 also reaffirmed the urgency of creating solutions to reduce GHG emissions and recognized that it will be necessary to reduce **45%** of global emissions by 2030 compared to 2010 levels. To accelerate and encourage this agenda, it was created the **Global Methane Pledge**, a global agreement that aims to reduce in **30%** the emission of this gas by 2030, compared to levels registered in 2020.⁴ Brazil's participation in this pledge places biomethane and biogas in the national decarbonization scenario.

According to **Abiogás** data, currently the largest portion of biomethane and biogas production comes from **municipal solid waste (MSW)**, with approximate representation of **74%** of the total produced in the country. They estimate a potential generation of **120 million m³/day** of biomethane (2 to 2.5 times more than the current natural gas domestic net production) or **19 GW** of electric power (9.2% of the current Brazilian electric matrix). The biomethane numbers are enough to replace up to **70%** of diesel consumption in Brazil.⁵

Grupo Urca Energia is positioned as a strategy player in the energy transition. We act to reduce GHG emissions in the production and/or logistic process of our customers. We generate renewable energy from biogas. Our Group brings innovation and is active in global discussion on ways of generating energy.

Regulatory context

Biogas and biomethane market is developing quickly, just like the Regulatory Framework regarding the sector. We follow this agenda with great interest and frequency and we follow a few laws and guidelines that guide the sector.

There are still some projects in progress that constantly move biomethane and biogas political scene forward. This is a promising market that can place Brazil in an outstanding position regarding environmental responsibility.

TIMELINE OF BIOGAS AND BIOMETHANE SECTOR LEGISLATION

- ◆ **2010** Establishment of Law No. 12,305 – National Solid Waste Policy (PNRS – Política Nacional de Resíduos Sólidos).
- ◆ **2013** ICMS Agreement No. 112 – Reduces the ICMS base calculation for biogas and biomethane.
- ◆ **2015** MME Ordinances No. 44 and No. 538 – Opportunities for Biogas and Biomethane Power Generation and ProGD. ANP Resolutions No. 8 and No. 685 – Biomethane specification and quality control.
- ◆ **2017** Establishment of the Brazilian National Biofuel Policy (RenovaBio) through Law No. 13,576, launched by the Ministry of Mines and Energy. (see more on page 25).

- ◆ **2022** Decree No. 10,936 (Jan/22) regulates the National Solid Waste Policy (PNRS – Política Nacional de Resíduos Sólidos); subsequently, decree No. 11,043 (Apr/22) approves the National Solid Waste Plan (Planares - Plano Nacional de Resíduos Sólidos). This plan is in accordance with the National Program Zero Garbage (Lixão Zero) and presents several tools to encourage the development of new landfills in the country over the next 20 years, consequently offering more spaces for producing biogas and biomethane. Decree No. 10,991 – Third National Fertilizer Plan (PNF - Plano Nacional de Fertilizantes). Decree No. 11,003 – Zero Methane Plan (Plano Metano Zero) and REIDI Benefits for biogas and biomethane. Decree No. 11,075 – National System for Reducing Greenhouse Gas Emissions (SINARE - Sistema Nacional de Redução de Emissões de Gases de Efeito Estufa). Bill No. 1,879 – Creates the Policy for Biogas and Biomethane Production and Use, and amends Law No. 9,847/99, which provides on the supervision of activities related to the national supply of fuel.
- ◆ **2021** Law No. 14,134 – New Gas Law – was instituted, which, in addition to opening the market for commercialization and distribution of natural gas, allows biomethane to be injected into all existing and future gas pipelines network, bringing new perspectives for transporting the product to the market. Bill No. 3,865 – Establishes the Incentive Program for the Production and Use of Biogas, Biomethane and Associated By-products (PIBB - Programa de Incentivo à Produção e ao Aproveitamento de Biogás, de Biometano e de Coprodutos Associados) – attached to Bill No. 2,117/11, which was attached to Bill No. 11.247/18



02. THE FUTURE STARTS TODAY



GRI 2-1, 2-2, 2-3, 2-6, 2-20, 2-22, 2-28

OUR STORY AND IN WHAT WE BELIEVE

Our Group was born from our founding partners' entrepreneurial spirit. Our goal is to invest in the present to revolutionize the energy of the future.

Maurício Carvalho, with a background of more than two decades in the Oil and Gas sector and always engaged in environmental causes, as of 2015 began investing and monitoring low carbon initiatives in Brazil and around the world. He worked in thermoelectric and renewable projects, but in 2019 he turned to a business model that was very promising in Brazil. After a partnership with Fazenda Mano Julio, in Mato Grosso, EVA Energia was created. This company uses biogas resulting from the biodigestion of agribusiness environmental liabilities to generate energy. And with it, the desire to invest in renewable energy gains strength and maturity. Mauricio is joined by **Marcel Jorand**, an executive at the Natural Gas sector, which has always considered the renewable

energy the path to sustainable development; and **Pedro Assumpção**, financial market executive, determined to find business opportunities that merge solid financial results and positive impact for all stakeholders involved.

Eduardo Lima, executive with extensive experience in the Natural Gas sector, joins the team as of 2020, with strong performance in creating gas and biofuels exploitation business, an innovative and very prosperous market. Together, they actively contribute to building Grupo Urca Energia in order to become an important partner of companies in the race to reduce emissions in its operations. All the founding partners have a common motivation: to see renewable energy as an innovative, profitable and sustainable business with a positive impact in the environment.

We are revolutionizing the way of producing, distributing and consuming energy and biofuel in Brazil.

Our goal is being the strategic ally of small, medium and large companies in energy transition towards decarbonization. Our Group is young and our pace of expansion is accelerated, following the urgency of the climate challenge which we committed to mitigate. We want to act quickly and efficiently. Our plan is to expand our business, both in size and production in the next years.

Below, from the left to the right, partners Maurício Carvalho, Marcel Jorand, Pedro Assumpção and Eduardo Lima.





“

By providing **100% renewable solutions** in the form of electrical energy and biofuel, we offer **sustainable and economical** options to enable the energy transition of Brazilian companies.⁶

”

*Maurício Carvalho,
Grupo Urca Energia Founding
Partner and Executive Director*



TIMELINE

2018

Foundation of Urca Energia (today, Grupo Urca Energia).

Foundation of Urca Comercializadora de Energia (today, Urca Trading), operating in the energy trading and structured operations.

2019

Foundation of EVA Energia, operating in the generation of renewable electrical energy from pig farming waste.

2020

Beginning of negotiations to purchase Gás Verde.

Beginning of the partnership with Fazenda Mano Julio, in Mato Grosso, for renewable energy generation by EVA.

2021

Foundation of Urca Comercializadora de Gás (today, Urca Gás), operating in the trading of biomethane for gas stations in the state of Rio de Janeiro.

2022

Conclusion of Gás Verde purchase, which operates in the production of biomethane, investments to expand the Seropédica plant production capacity and beginning of Nova Iguaçu and São Gonçalo thermal plants transformation into biomethane plants.

Grupo Urca Energia becomes the largest producer of biomethane in Latin America with the operation of Gás Verde.

EVA Energia starts operating in Seropédica and Mauá biogas plants and sets its entry in the generation of renewable electrical energy from landfills.

2023

The expansion of Gás Verde, with the acquisition of the Portuguese company ENC Energy and its biogas thermal plants located in five Brazilian states.



WHO WE ARE

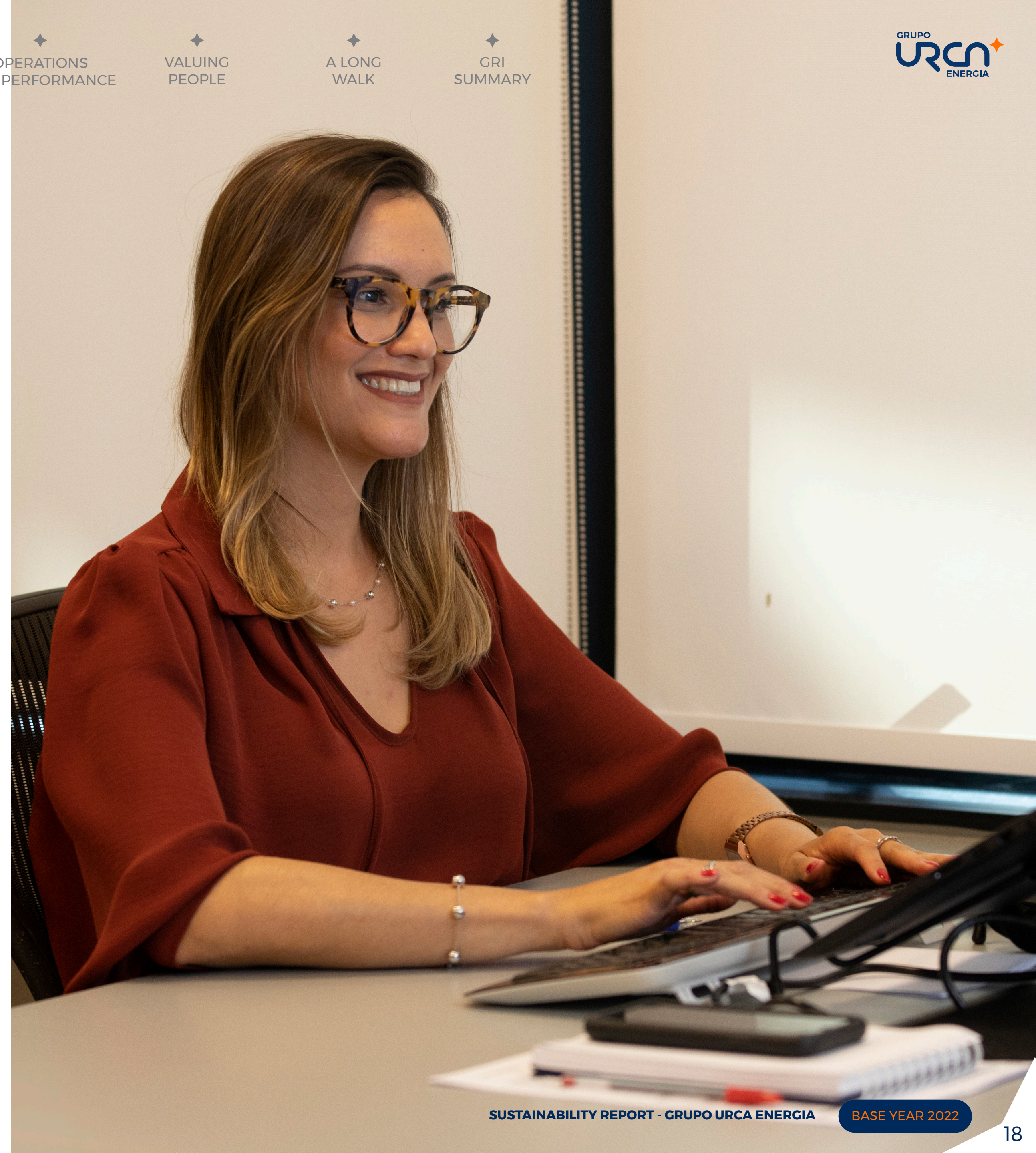
GRI 2-6

We are a holding of investments in smart and sustainable energy with a portfolio of environmental solutions that supports the Net Zero journey of Brazilian companies. We operate in production and trading of biomethane and renewable electrical energy from biogas (Gás Verde and EVA Energia), trading of natural gas and biomethane and distribution of biomethane (Urca Gás) and operationalization in free and regulated energy market (Urca Trading).

The Group's first seed was planted in 2018, with the foundation of the company **Urca Comercializadora de Energia**, today called **Urca Trading**. Specialized in the energy trading and the implementation of structured operations backed by energy, **the current Urca Trading has already negotiated more than 3 million MWh of energy, which represents an amount greater than BRL 450 million.**

In 2019, **EVA Energia** was created with the aim of transforming environmental liabilities into 100% renewable energy. We did an unprecedented partnership with Fazenda Mano Julio, in Mato Grosso, where we converted pig farm waste into electrical energy.

As for **Urca Gás**, it appears in 2021 to facilitate the negotiation of gas distribution; and in 2022, **Gás Verde** joins the Group, producing biomethane from landfill waste. **As of the beginning of its operation, the company has generated more than 65,681,999 m³ of biomethane, preventing the emission of 209,585 tCO₂e* in the atmosphere.** (see more on p. 25)



*Calculation based on life cycle analysis, using Grupo Urca Energia's own methodology.



Our operation is based in four cornerstones:

1. Acting strategically for the future of energy in the country.

We seek to diversify our mix of solutions and to support projects and partnerships that accelerate energy transition of Brazilian companies.

2. Contributing in a relevant way to ESG in energy sector.

We work to generate a positive socio-environmental impact and ensure a healthy working environment through actions focused on the management quality and business result.

3. Combining good business and a positive socio-environmental impact.

We seek a balance between good business and relevant socio-environmental impact.

4. Having an entrepreneurial attitude.

We encourage creativity, active voice, innovation and the construction of a systemic and autonomous vision for a responsible decision making.





Our values underpin the way we do business and guide all of our policies.

◆ Transparency

We are clear, transparent and truthful in our business. Our relationship is based on respect and trust towards shareholders, employees, customers, partners and the society.

◆ Efficiency

In everything we do, we strive for excellence and efficiency. We act with simplicity, agility and we make assertive decisions to bring positive results for everyone with whom we interact.

◆ Boldness and resilience

Challenges move us, and we are always in search for new opportunities, investments, business and solutions. We are not afraid to take risks, and we learn and evolve at each project. At every experience, we adapt to new situations. We do not give up until we find the best result.

◆ Owner attitude

We take care of the business as if it were our own. We work responsibly to ensure the best delivery, contributing to the company's evolution as a whole.

◆ Restlessness

We provoke people about the future of energy in Brazil and consumption habits. That is why we are constantly in search of evolution.

◆ Passion for the cause

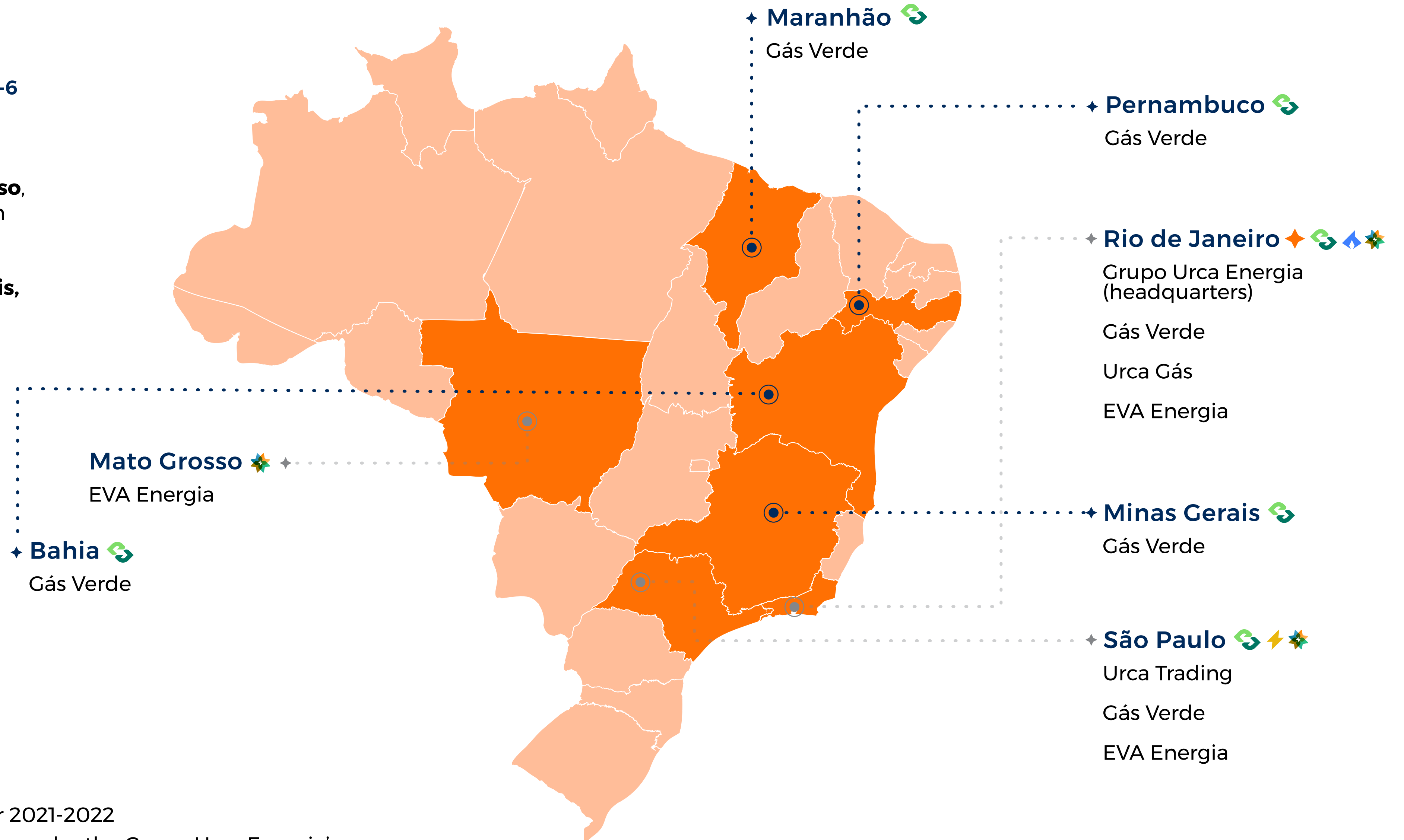
We believe that it is possible to combine good business and environmental protection. Our work contributes effectively to companies, society and the country.



WHERE WE OPERATE

GRI 2-6

We operate in the states of São Paulo, Rio de Janeiro and Mato Grosso, and our goal is to be in every Brazilian state. With the acquisition of **ENC Energy (2023)**, we also started operating in the states of **Minas Gerais, Bahia, Maranhão and Pernambuco.**



Subtitles

- Plants operating in the base year 2021-2022
- Plants that were not yet operating under the Grupo Urca Energia's coordination in the base year 2021-2022.



HOW WE OPERATE GRI 2-6

We work with the concept of circular economy, a method that proposes the use of the raw material until its depletion, transforming what would be the end of a cycle into the beginning of a new chain. We use the waste as raw material and we transform the gas emitted by the decomposition of this waste - the biogas - into renewable electric energy and biomethane. This way, we reinsert the waste into the production chain, thus reducing the GHG emission in the atmosphere, preventing the use of new fossil fuels and putting the waste in a circular path of production.

Biomethane is considered a “green gas” which can be consumed by the industry replacing all kinds of polluting fuel in the filling of cars and trucks. Our product is regulated by the Brazilian National Agency for Petroleum, Natural Gas and Biofuels (ANP - Agência Nacional do Petróleo, Gás Natural e Biocombustíveis) and has a very differentiated added value, as it is completely interchangeable with natural gas.

Biogás

Biogas is a gas generated from the organic matter decomposition in the absence of oxygen. This organic matter results from agribusiness, agriculture and landfills waste. Its composition is basically methane (around **55%** and **60%**) and carbon gas, among other trace gases. From the biogas, it is possible to generate renewable electric energy and biomethane, as well as green CO₂ (see more on pages 25 and 26) and biofertilizers.

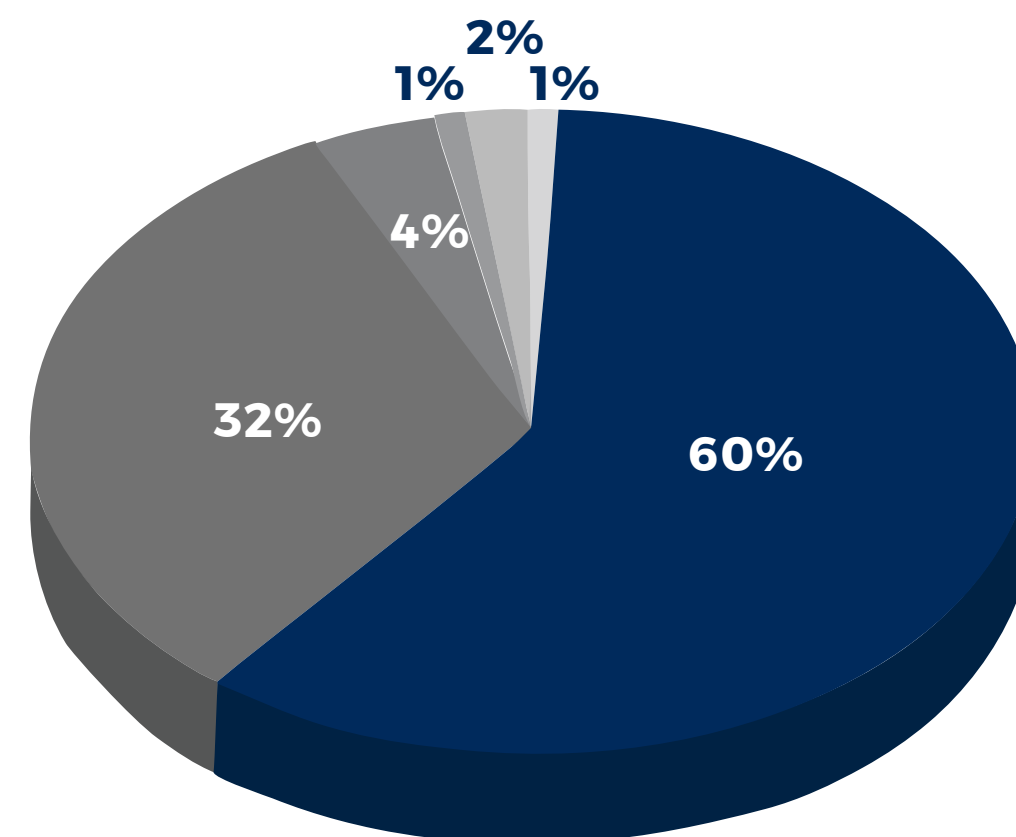
Biometano

When purified, biogas turns into biomethane, a gas with the same applications and interchangeable with natural gas. In this process, CO₂ and other gases are removed, raising the methane concentration, which must be **higher than 95%**, according to ANP.

Biomethane is an energy source. In production processes, it can replace gas natural, LPG and fuel oil; and in fleets, diesel, gasoline and NGV.

Gás Verde produces two kinds of biomethane, both regulated by ANP. Industrial biomethane, dedicated to industries; and vehicle biomethane, dedicated to supplying light and heavy fleet.

Composição do biometano





Waste of animal protein



1

Landfill



CIRCULAR PATH OF PRODUCTION

How we transform pig farming and landfills waste into electrical energy and/or biomethane

2

A. Pig waste is conducted to a biodigester, where the gas formed by the decomposition of organic matter is generated. This gas is called biogas, which is formed by around 50% methane gas.

B. The disposition of waste in the landfill emits biogas resulting from natural decomposition. This biogas is sent through a pipe network to the power plant that will refine it and transform it into biomethane.



3

B. The biomethane is packaged in dedicated truck trailers to be taken to the industry.



4



B. The operating surplus (effluent called "condensed") is captured by a company specialized in making the correct disposal.

A. Operating surplus (digestate)

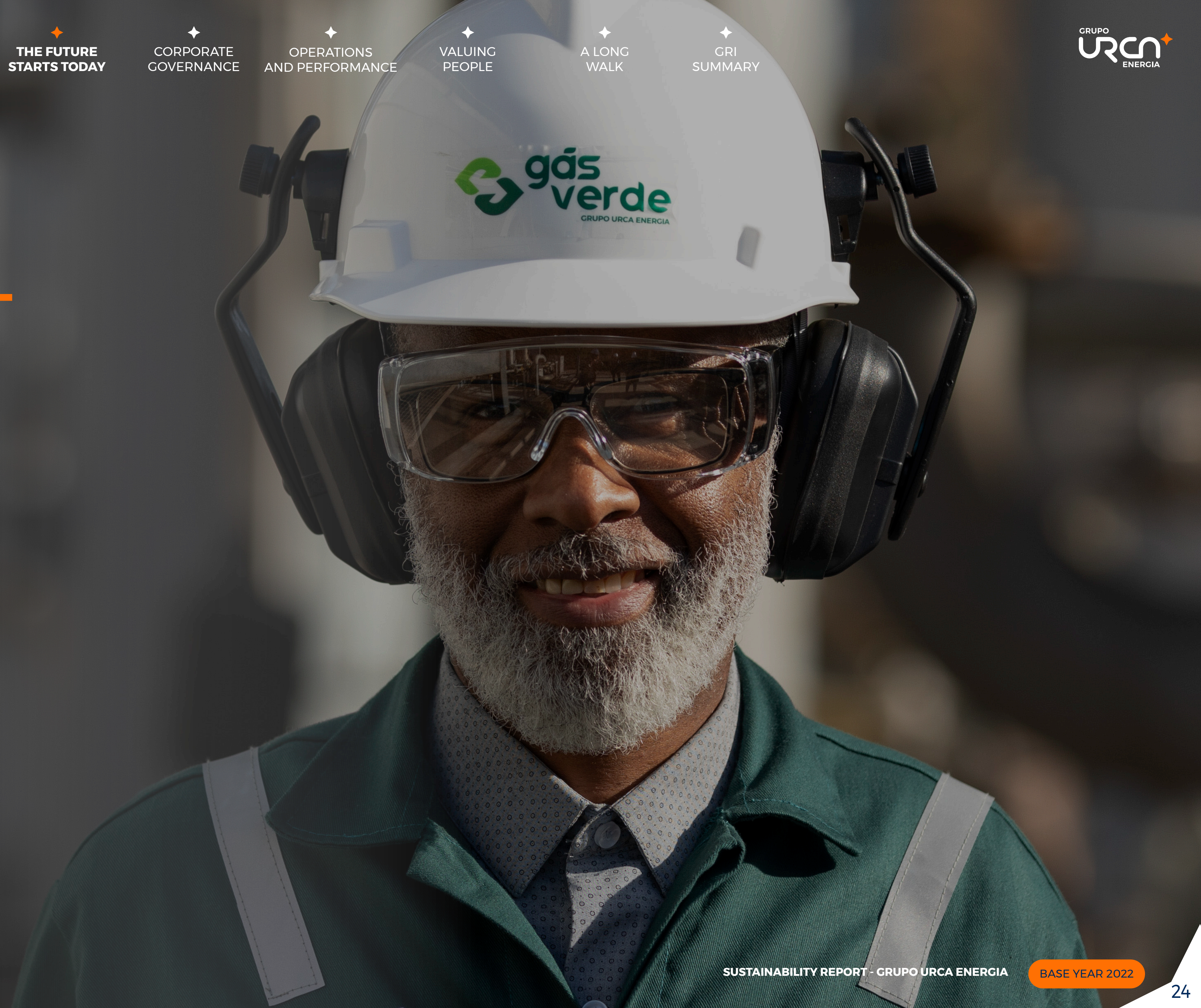




GRUPO URCA ENERGIA'S MODEL OF BUSINESS

We operate on different fronts of the renewable energy market to meet our customers' demands towards the energy transition. Our companies are focused on presenting world-class environmental solutions in order to reduce GHG emissions in the atmosphere, transforming environmental liability into energy asset, preventing consumption of new fossil fuels and generating a virtuous cycle. Our entire operation is aligned with the commitment to sustainable practices encouraged in the Group's daily operations.

In 2022, we increased our portfolio of customers by 467%, providing renewable fuel and/or energy clean electrical.





GÁS VERDE GRI 2-6, 2-28

Gás Verde supplies biomethane to large industries, such as the steel company Ternium and the brewing company Ambev (first brewery in the country 100% powered by biomethane), in addition to several gas stations in the state of Rio de Janeiro. Our sustainable cycle protects the environment, transforms environmental liabilities into renewable energy and renews Brazil's energy matrix.

We are considered a reference in the national and international markets, as we operate the largest biomethane plant in terms of production and capacity in Latin America: Seropédica plant, in Rio de Janeiro. In 2022, we produced **35,546,380 m³** of biomethane and prevented the emissions of **113,425 tCO₂e*** of GHG in the atmosphere.

As accredited agents of **ANP - Brazilian National Agency for Petroleum, Natural Gas and Biofuels** - certified by the **RenovaBio** program, (GRI 2-28) we are authorized to produce and trade biofuel. **We emitted 57,192 CBIO (Decarbonization Credit) in 2022 and launched the first certificate of biomethane resulting from urban solid waste in Brazil, the BIORec.**



RenovaBio⁷

National policy established by Law No. 13,576/2017, created to promote the production of biofuels, with the aim of promoting energy transition, reducing greenhouse gases and, consequently, helping Brazil to achieve its goals established in the Paris Agreement. RenovaBio works the following way:

1. Has national targets for reducing emissions for a ten-year period, which are applied to fuel distributors according to their market share.
2. Individual certification of biofuel production based on criteria that apply the Life Cycle Assessment (LCA) methodology. It is called CBIO - Decarbonization Credit -, a title traded by the biofuel producer/importer in the company B3.

BIORec

Certificate proving the environmental attribute of biomethane production, distribution and treatment. The document assists in the inventory of greenhouse gas emissions in instruments such as the GHG Protocol, for example, and proves the product traceability, ensuring that the biomethane origin is renewable.



*Calculation based on life cycle analysis, using Grupo Urca Energia's own methodology.



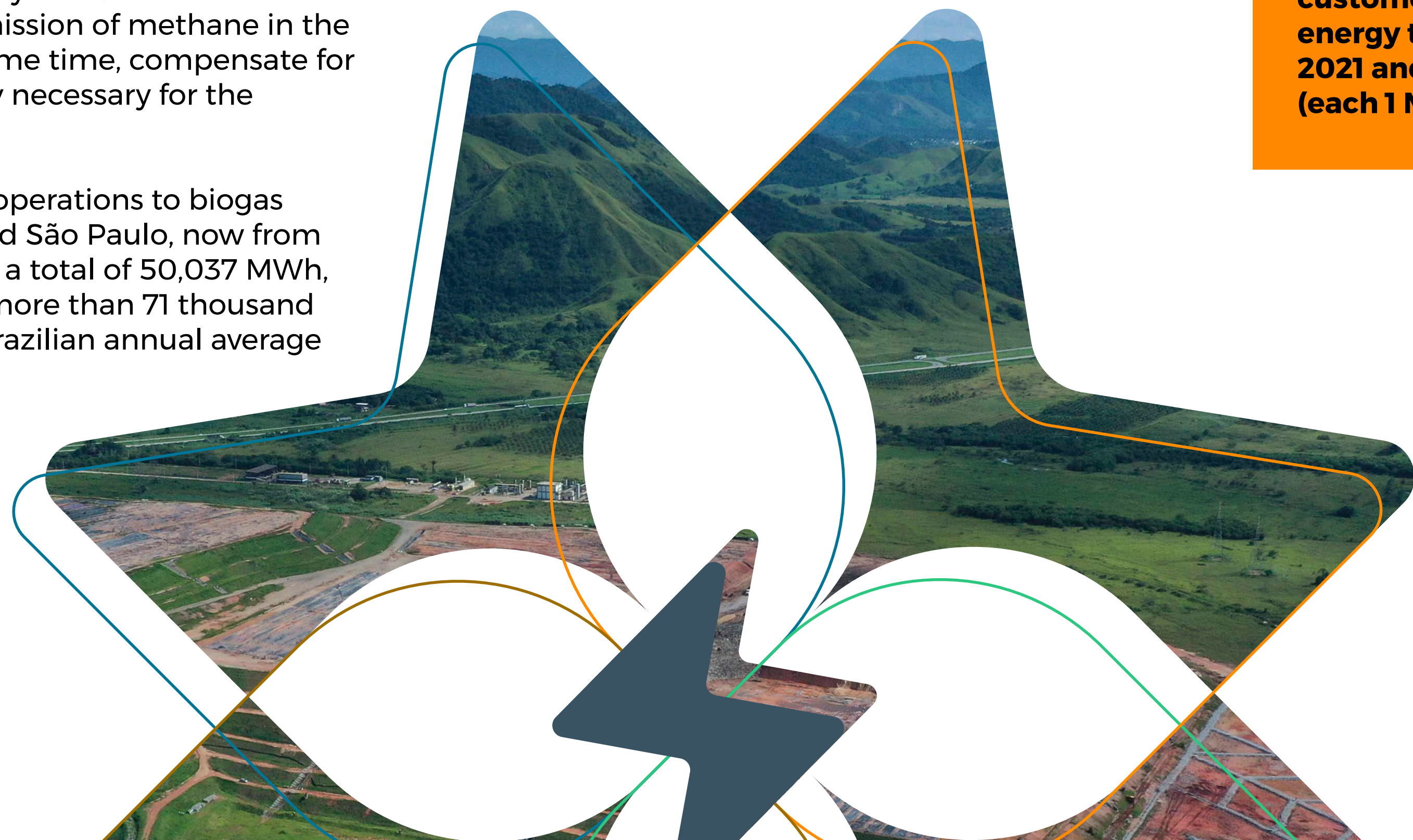
EVA GRI 2-6 ENERGIA



We generate 100% renewable energy from environmental liabilities. Our first biogas power plant was opened in 2019, at Fazenda Mano Julio, in Mato Grosso - EVA Sorriso. From pig farming waste, we have the installed capacity of **3MW** of energy, which is used in very farm. Our business allows us to reduce the emission of methane in the atmosphere and, at the same time, compensate for the use of electrical energy necessary for the operation.

In 2022 we expanded our operations to biogas plants in Rio de Janeiro and São Paulo, now from landfill waste. We produce a total of 50,037 MWh, energy enough to supply more than 71 thousand inhabitants, considering Brazilian annual average consumption.

Our experience already allows us to generate around 20 MW of energy, which is connected to the local distribution network. Because we generate renewable energy, we offer I-REC (International Renewable Energy) certificates, which **allows our customers to report progress in their energy transition journeys. Throughout 2021 and 2022 we generated 54,256 I-RECs (each 1 MWh is equivalent to one I-REC).**





URCA GÁS

GRI 2-6, 2-28

We created Urca Gás aiming to transport the biomethane produced in Gás Verde plants for industries and gas stations. We currently sell and transport natural gas and biomethane.

In 2016, the Federal Government launched an initiative called **Gás para Crescer** (Gas for Growth), with the main goal of diversifying the market. From this initiative, in April 2021, the **new Gas Regulatory Framework (Law No. 14,134)**, which brings new rules for the transport of natural gas, drainage activities, treatment, processing, underground storage, packaging, liquefaction, regasification and gas trading. The measure interferes mainly in the natural gas transportation, which at this moment becomes an activity of authorization, and no longer concession.

Member of the Management Board and associate of **ABiogás - Brazilian Association of Biogas and Biomethane** - as well as certified as a Trader, Distributor and CNG Loading by **ANP - Brazilian National Agency for Petroleum, Natural Gas and Biofuels** - (GRI 2-28) we operate primarily with road transportation, with an own and an outsourced fleet that equals **30** truck trailers.



Biomethane-powered fleet

The entire Urca Gás fleet is being converted for biomethane-powered vehicles. According to experts, each truck can prevent the emission of approximately 182 tons of CO₂ a year.⁸ It is estimated that a biomethane-powered truck emits 98.6% less greenhouse gases than a diesel-powered truck.⁹ Additionally, biomethane-powered vehicles are less carbon intensive than electrical vehicles, when evaluating the entire car life cycle. (GRI 2-28)





URCA TRADING

GRI 2-6, 2-28

With the aim of assisting our customers in buying and selling energy transparently and with the best cost-benefit ratio, we operate in the following fronts:

- Buying and selling energy on the regulated market and on the free market.
- Energy prepayment operations.
- Submarket or source swap transactions.

We are accredited by **CCEE, the Brazilian Electric Energy Trading Chamber**, a member of **ABRACEEL - Brazilian Association of Energy Traders** - and certified by **B3** with level 3 security seal, the highest category that monitors the risk exposure of the company, besides attesting to the company transparency in the free-market energy selling and buying negotiations. (GRI 2-28)

In 2022 we carried out 132 negotiations, representing the trading of **1,755,438 MWh** of power. Our ambition is to expand and diversify our business from the carbon credit market. In the last quarter of 2021, **we mediated the negotiation of 2.3 million tons of carbon equivalent in canceled credits in favor of the UTE Prosperidade III Plant, the first carbon neutral plant in Brazil.** In 2022, we debuted in the cryptocurrency market and we launched an energy trading token, reflecting a greater penetration of energy-backed financial products. The resources obtained will be allocated to investments, including in projects related to carbon credits trading, following the Group's business model of focusing on sustainability.



Energy's Free Market

The free market or Free Contract Framework has been progressively expanded by the Federal Government. As of January 2024, medium and high voltage companies (industries, hospitals, shopping centers, supermarkets), regardless of the consumption generated, will be able to trade in this market. Currently only companies that have a consumption equal to or greater than 500 kW (2023) can access this market.*

This way, with the aim of expanding our business and serving new customers, in 2022 we start planning to launch ourselves in the retail market in 2023/2024.



*In 2022, the consumption had to be equal to or greater than 1,000 kW, and in 2021 equal or greater than 1,500 kW (in accordance with Ordinance No. 465 of December 12, 2019).



COMMITMENT WITH SUSTAINABILITY GRI 2-22

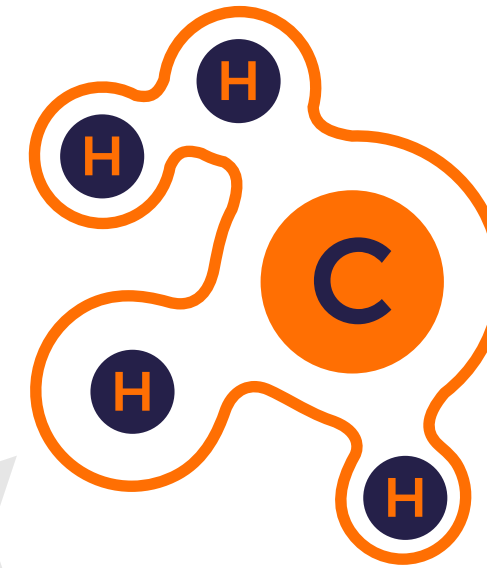
Sustainability is part of our Group's ADN. We see climate change as opportunity to create profitable businesses.

Through biogas generated from the decomposition of pig farming waste and landfills waste, we solved an environmental liability, which is the release of methane gas in the atmosphere – a gas 28 times more polluting than carbon dioxide.* We transform this biogas into renewable electrical energy and biomethane (see more on page 23). The waste from this process, when resulting from animal waste decomposition, can be used for producing biofertilizers which are used to recover degraded soil, contributing to the circular economy.

We believe that it is possible to protect the environment and do good deals.



Protection the environment
Our operation prevents the methane in the waste to be emitted in the atmosphere.



SUSTAINABLE CYCLE



Renewing Brazilian energetic matrix
The adoption of biofuels or electrical energy from biogas prevents new emissions of polluting gases



Transforming environmental liabilities into renewable energy
We transform biomethane into biofuel and electrical energy

*According to the latest report published by the IPCC - Intergovernmental Panel on Climate Change. Available at: <https://archive.ipcc.ch/report/ar5/syr/>



In 2022, when we incorporated Gás Verde as a producer of biomethane, the goal was to increase the plant performance and serve the region's customers with greater capillarity.

We saw an opportunity to become strategic partners of our customers who seek to reduce to zero their scope 1, 2 and 3 emissions, at the GHG Protocol level.

With the production of biomethane, we generate impact transforming a liability that emits methane gas in the atmosphere into a valuable asset. By producing biomethane, it is possible to:

- Reduce GHG emissions in atmosphere by 99%.
- Reduce atmospheric methane emissions arising from landfills.
- Transform environmental liabilities into energy solutions.
- Achieve companies' Net Zero goals.

Our solutions, whether biomethane or electrical energy from biogas, generate certifications such as I-REC (International Renewable Energy Certificate), CBIO (Certificate of Biofuel) and BioREC (Certificate of Biomethane Traceability). (see more on pages 25 and 26)





In addition to the operation, we incorporate the sustainability principles in all Group's processes and activities, based on our Sustainability Policy and Sustainability Institutional Agenda.

Since 2022 we have been signatories to the **Global Pact**, a UN initiative that invites companies to align their strategies and operations so to develop corporate responsibility and sustainability actions. (GRI 2-28)



Pacto Global Rede Brasil

We are also committed to working on the UN **Sustainable Development Goals** agenda, especially in those related to the operation of our business:



Affordable and clean energy: We work to offer our customers with clean energy and a competitive market price, with no fluctuation due to foreign market.



Sustainable cities and communities: We generate energy from waste, contributing to circularity and preventing greenhouse gas emissions in the atmosphere.



Fighting climate change: The base of our business model is to eliminate methane emissions in the atmosphere to generate energy and biofuel to be consumed on our customers' different fronts. That way, we contribute to companies' decarbonization journey by reducing emissions.





Sustainability Policy

Sustainability is the basis of Grupo Urca's operations. Therefore, we understand that to validate it, we need to act with respect to diversity and to the interests of all audiences, directly or indirectly involved in the business. The guidelines described in this Policy guide all activities developed by the company and are in accordance with the priorities established in our Institutional Agenda for Sustainability.

Our guidelines are defined based on the evaluation of the risks and opportunities of our operation in environmental, social and economic aspects. We are committed to good practices in sustainability and we are based in three principles:

Legality

We act in accordance with sustainable public policies.

Sustainable Operation

We encourage sustainable practices within the Group, whether operational or administrative, and in the relationships with our stakeholders.

Sustainable Corporate Management

We encourage the incorporation of sustainability in all Group's programs and processes, always aligned with technical, strategic and budget limitations.

Our Policy is guided by the following regulations and references:

- GHG Protocol Brasil
- Global Reporting Initiative - GRI
- Ethos Indicators on Corporate Social Responsibility
- Corporate Sustainability Index (ISE - B3)
- Management of Healthy Environments - WHO - World Health Organization
- Global Pact
- Business Pact for Integrity and Against Corruption



Institutional Agenda for Sustainability

This Agenda presents a set of subjects prioritized by the Group and which refer to the business sustainability. Subjects include aspects of integrity, value chain management, efficiency in the use of natural resources, as well as services and processes quality and security. In order to contribute to society and its stakeholders, Grupo Urca Energia identifies what are the factors that establish the socio-environmental dynamics of your operations and, based on them, defines the initiatives' primary subjects that will integrate your Sustainability Program. The initiatives are based on the following performance cornerstones:

- People: covers human capital qualification and philanthropic activities.
- Supply chain: seeks to increase confidence and efficiency in activities and relationships.
- Environment: constant search for solutions to gradually lower the impact on the environment with the operations.
- Future: broad look at the Group's perpetuity, covering economic-financial aspects, reputation, innovation, as well as strategy construction and management.



03. CORPORATE GOVERNANCE



GRI 2-9, 2-22, 2-23, 2-26, 2-27, 205-1, 205-2, 205-3

GOVERNANCE STRUCTURE GRI 2-9

The governance structure of Grupo Urca Energia was updated in 2022, the first year of Gás Verde operating under the control of the new shareholders. All other companies (Urca Trading, Urca Gás and EVA Energia) carry out their operations independently, however they are subject to the same governance programs, managed by Grupo Urca Energia's ESG Committee.

We have a lean and efficient structure. The goal of our processes is to maintain the transparency for all operations and negotiations before our stakeholders, especially in a moment of ongoing expansion. (GRI 2-9)



ESG Committee

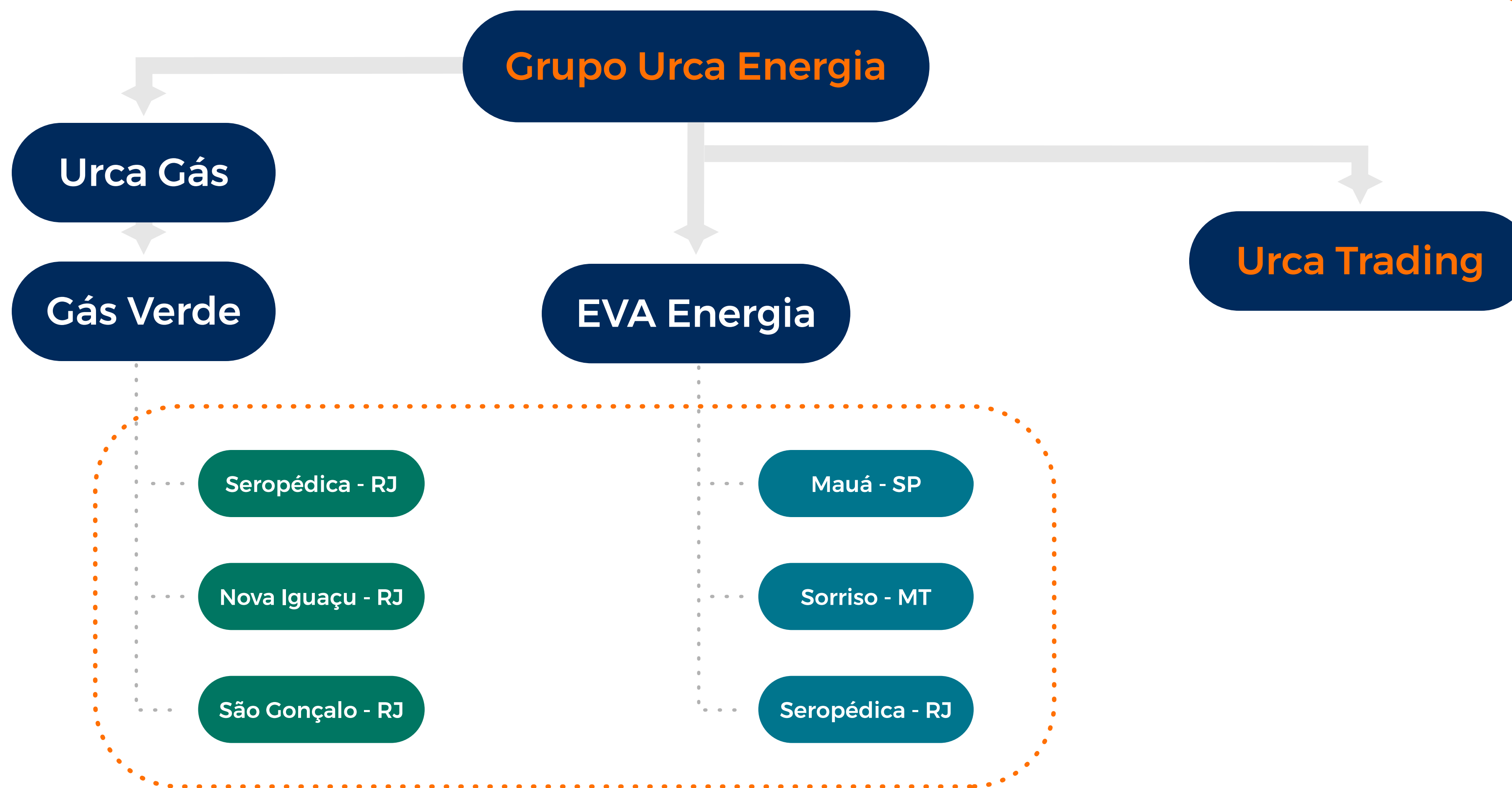
Created in 2021 by a multidisciplinary team, this Committee aims to establish, implement and monitor goals related to Grupo Urca Energia's **environmental, social and governance performances**, which cornerstones are the documents that govern **Grupo Urca Energia's Integrity Policy**: Code of Conduct and Integrity Policy, Anti-Corruption Policy and Ethics Channel.

ESG Committee is currently composed of all the Group's directors who work in the **HR, Governance, Communication, Commercial, Operations, Financial, Engineering, Shared Services and Independent Consultants areas**.





SHAREHOLDERS ORGANOGRAM



Operational units



GRI 2-23, 2-26, 2-27

GRUPO URCA ENERGIA'S INTEGRITY PROGRAM

Our conduct is to base all our actions on ethical and integrity principles. That way, we reinforce our responsibility in promoting a transparent management and we ratify our commitment by improving our governance and integrity practices. We recognize the importance of respecting peoples' dignity, being compliant with current laws and of our role before society. Therefore, we formalize our commitment through the Integrity Program that guides all our actions and that includes the Code of Ethical Conduct and Integrity, the Anti-Corruption Policy and the Ethics Channel.

Code of Ethical Conduct and Integrity

Grupo Urca Energia's **Code of Ethical Conduct and Integrity** goal is to establish parameters for guiding the conduct of the employees (direct and indirect) who provide services to the company, providing guidance on how to prevent conflicting interests and prohibiting acts of corruption and fraud, prioritizing the Group's mission accomplishment, as well as its principles and values. Additionally, it provides guidance regarding professional and personal conduct in employees' internal and external relationships, the disciplinary regime regarding ethical transgressions, company sanctions, its Ethics Channel, demonstrations and trainings.

Anti-corruption Policy

The Anti-Corruption Policy was also established in 2022 and applies to all employees and third parties of the company. Approved by the Executive Board, this Policy determines zero tolerance towards any

kind of bribery or corruption, following the guidelines of Brazilian Anti-Corruption Law No. 12,846, as well as the laws and treaties that apply on the Group's trading venues. Responsible for implementing and monitoring the rules, the ESG Committee must pay attention to the following guidelines and prohibitions:

- Political contributions
- Due diligence
- Corporate social investment
- Facilitating payments
- Gifts, travel, meals and entertainment
- Records
- Relationship with third parties
- Reports
- Meetings with public agents
- Warning signs
- Bribery

Fight against corruption

(GRI 3-3 Preventing, monitoring and fighting corruption, 205-1, 205-2, 205-3)

The year 2022 was the first year of Gás Verde operation under the new shareholders' control (Grupo Urca Energia). That way, we implemented an internal Governance and Compliance project for



mapping corruption-related risks in the Group’s business. Possible risks to the future of business identified through risk analysis include: bribery, embezzlement of the company’s money, nepotism and favoritism, money laundering, bid rigging and reputational damage (GRI 205-1). The process took six months to complete and was monitored by auditing authorities who investigated all financial flows of the company.

We reinforced the internal control procedures and the Controllership Department adjusted processes and approval accordingly with the approved Authority Policy. We implemented the SAP management system, and all contracts drawn up by the legal department with suppliers were added with a specific clause on fighting corruption.

The company applies due diligence when hiring third parties, in order to verify the supplier reputability through the public information available before hiring. The **Policy** is valid for three years and can be revised at any time, if an update is necessary.

The ESG Committee is responsible for the training offered to employees and third parties so that the Policy can become known and fulfilled by everyone. In 2022, the Committee organized a training for Governance members and for the leadership. Overall, ten employees were trained, promoting the multiplier power and getting educated so that the content was disseminated to the respective teams. As for the business partners, all business third parties undergo a careful analysis of the Group’s legal department (GRI 205-2).

As a company going through an accelerated growth, in 2023, new forms of prevention, monitoring and fighting corruption are being studied and will be implemented as to ensure even greater security and transparency for all stakeholders involved.

Any type of complaint related to anti-corruption practices must be reported directly to the **ESG Committee** or the **Ethics Channel**. (GRI 2-26)

Throughout 2022, there were no cases of corruption identified in the Group. (GRI 205-3)

Ethics Channel

(GRI 2-26, 2-27)

The Ethics Channel’s goal is to offer a means of communication so that any stakeholder can contact Grupo Urca in a secure and anonymous way in order to report any non-conforming event regarding the company's operation.

Throughout 2021 and 2022, there were no complaints related to cases of compliance with laws and regulations directly related to the Group’s operation. (GRI 2-27)





04. OPERATIONS AND PERFORMANCE

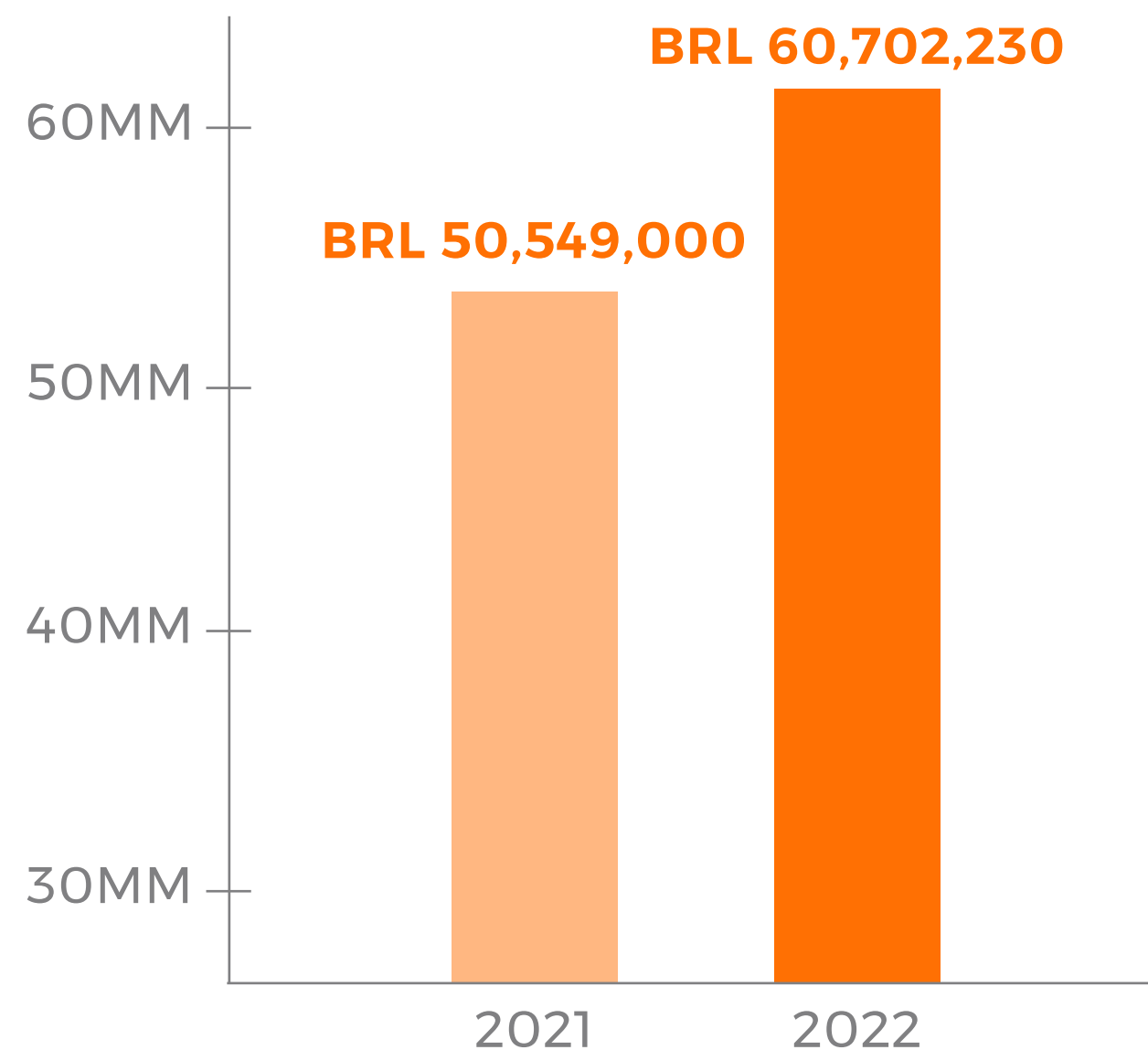


GRI 201-2, 203-1, 303-1, 303-2, 305-1, 305-2, 305-3, 306-1, 306-2, 306-3, 306-5, 413-1

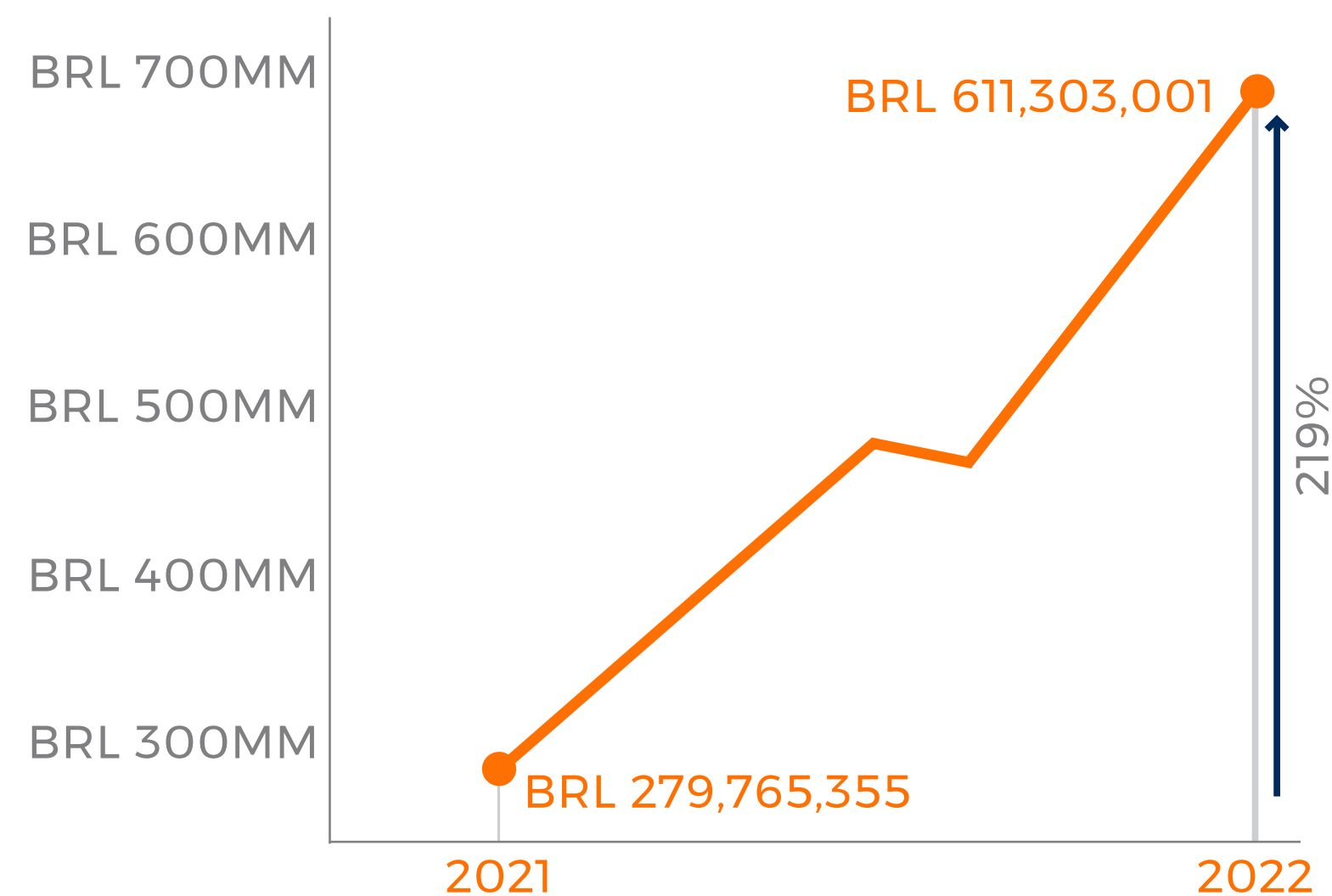
BUSINESS PERFORMANCE

We are aware of the market opportunities and, as a consequence, **we invested more than BRL 110 million in our operations between 2021 and 2022** (see graph below).

Total investments carried out in 2021 and 2022



Grupo Urca Energia Revenue - 2021-2022



In 2022 we had a **219% increase in revenue**. These results reflect the Group's growth intensity. In 2023, we acquired new assets that integrate our journey in search of services and products that promote a low carbon economy for our customers.

SOCIAL PERFORMANCE

(GRI 3-3 Renewable energy research, production and trading, 3-3 Promoting social development and access to energy, 203-1, 413-1)

Our goal is to become relevant actors in the communities surrounding the locations where we operate, offering people training and, consequently, retaining qualified workforce to perform with excellence in our activities. In July 2022, we requested a study to Instituto Criança in order to align our social investment with projects that are related to our operations.

We believe education and sport are two essential tools for social transformation.

In 2022, based on the **Brazilian Sports Incentive Law**, we set a partnership with the soccer team **Nova Iguaçu Futebol Clube**, in order to encourage and promote physical activities that can improve the health of young people in the surrounding communities. (GRI 413-1)



PRESENTATION

THE FUTURE STARTS TODAY

CORPORATE GOVERNANCE

OPERATIONS AND PERFORMANCE

VALUING PEOPLE

A LONG WALK

GRI SUMMARY

With **375 direct beneficiaries** (among athletes – categories Under-9 to Under-17 – and technical committee) and **500 families as indirect beneficiaries**, the initiative encourages the practice of soccer, providing an increase in physical and intellectual skills, in addition to offering access to basic services such as nutrition, dentistry and psychological support at the team club's facilities.

The project also provides students with youth-team coaches, physiotherapist, uniforms, snacks and meals.

(GRI 413-1)

In addition to incentives for sports and educational projects, through Urca Gás operation, we enable **the transportation of gas to places with no gas pipeline, promoting access to biomethane** in areas where public infrastructure is not satisfactory, thus creating a positive impact on renewable natural gas expansion. At Urca Trading, we work so that the energy market expansion promotes the democratization of access to electrical energy, thus contributing to the free choice of energy to consumers throughout Brazil. (GRI 203-1)

Social Impact on Local Communities

| Program | Key message | Investment | People impacted | SDG involved |
|-------------|--------------------------|---------------|--|--------------|
| Nova Iguaçu | Education and Health | BL 465,366 | 330 children and 45 professionals directly impacted (2022) | |
| P&D Trading | Education and Innovation | BRL 1,701,002 | 12 students researchers and teacher directly impacted | |

In 2022, Urca Trading set a partnership with **IFSC – Federal Institute of Santa Catarina** – and **UFSC – Federal University of Santa Catarina** – to encourage a **Research & Development (R&D)** project on the topic **“Trend identification and risk assessment in multiple data-driven energy market scenarios: a proof of concept”**.

The project provides a scholarship worth **BRL 1,701,002** for a multidisciplinary team formed by five undergraduate students, two Master's degree students, one post-doctorate student, in addition to three teachers dedicated to the topic for a period of two years. (GRI 413-1)



ENVIRONMENTAL PERFORMANCE

(GRI 3-3 Climate change: adaptation and mitigation, 201-2, 306-1)

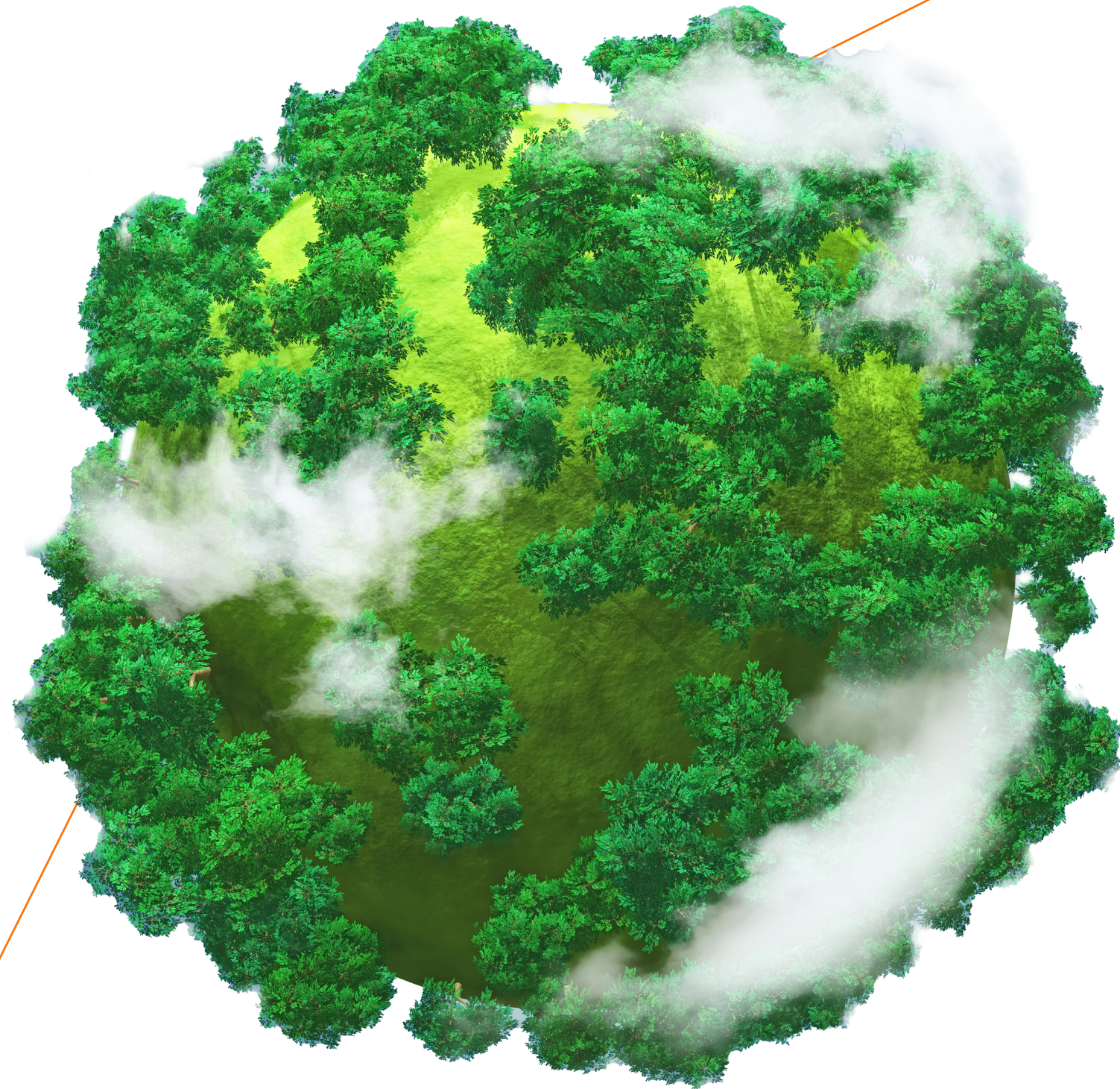
We understand climate change as an opportunity to generate profitable business, having as the main path the energy matrix decarbonization. **We operate in determinant sectors for energy transition and we deliver low carbon solutions for customers all around Brazil.**

With climate change becoming more and more evident, organizations are being asked about their performance and attitudes regarding their greenhouse gas emissions. Information transparency is highly valued by investors, customers and shareholders. Additionally, we need regulations that recognize the value of more environmentally sustainable practices, as to hold companies accountable for their emissions and promote the progress of renewable energies. We value a responsible activity and we invest so that our operations use the least number of resources as possible, in addition to managing our greenhouse gas emissions. (GRI 201-2)

Resource Management

We seek to manage the use of resources in our operations responsibly and effectively. We ensure so that waste does not pose a risk to public health and the environment, and we make sure that their final disposal is proper. We seek to establish partnerships with recycling companies in order to encourage the use of raw materials and inputs derived from recyclable and recycled materials.

In 2022, we prepared the Solid Waste Management Plan (PGRS) which plans, manages and gathers information on the main waste and effluents generated, as well as their final destination. We send paper and cardboard for recycling, and oil for re-refining. We make efforts to training employees on recycling and we encourage the practice of selective waste collection, as well as environmental education, with routine training carried out by our Health, Safety and Environment (HSE) team.





The company's operations follow a strict protocol to prevent any leakage, whether of gas, which can pollute the atmosphere, whether of slurry and lubricating oil, with potential risk of soil contamination and water pollution. The protocol includes inspection routines to identify gas leak points and within internal routines, conducted by adequate professionals. (GRI 306-1)

The waste quantification process and volume monitoring are carried out by the operational team through the emission platform Waste Transportation Manifest (MTR – *Manifiesto de Transporte de Resíduos*).* Just like in the water resources management, every waste disposal is reported to the competent environmental agency, and the MTR is issued.

Waste

(GRI 3-3 Pollution prevention and control (soil, accident) & Waste Management, 306-1, 306-2, 306-3, 306-5)

At both Gás Verde and EVA Energia, each type of waste that is segregated, collected and identified in the proper dumpster or containers is sent for companies responsible for solid waste management according to the NBR 10.004:2004, which provides us with all documents and monthly withdrawal reports, as well as the final disposal of this waste. (GRI 306-2)

In EVA Sorriso operation, the generation of electrical energy from the capture of biogas also enables waste to be transformed into fertilizers. (GRI 306-3) As for the operation of Seropédica and Mauá units of EVA Energia, the main waste generated is lubricating oil, used in the continued engines maintenance. The oil is stored in barrels and is periodically sent for re-refining via third party company. In addition to oil, class I waste is also generated.** They are packed in barrels and collected for appropriate final disposal. (GRI 306-1)

Regarding the waste generated by Grupo Urca Energia, Urca Gás and Urca Trading, they have an administrative base and are duly routed through the buildings' systems where the units are located.



Waste Management Within the Organization

(GRI 306-3, 306-5)

| Units in tons/year | Gás Verde TOTAL | |
|--------------------------|-----------------|----------|
| | 2021 | 2022 |
| Type of waste (in tons) | | |
| Class II (not hazardous) | 12.85 | 101.46 |
| Class I (hazardous) | 7,627.59 | 8,886.19 |

| Units in tons/year | EVA Energia TOTAL | |
|--------------------------|-------------------|------|
| | 2021 | 2022 |
| Type of waste (in tons) | | |
| Class II (not hazardous) | 0.00 | 0.05 |
| Class I (hazardous) | 0.00 | 6.70 |

The increase in the amount of waste in Gás Verde was mainly due to investments made on the Seropédica unit's revamp, in order to achieve a greater production, both in quantity and efficiency. EVA presented no waste generation in 2021, as it was not yet operational.

*Mandatory declaration since Jan/21 for companies that make the final disposal of their waste via specialized companies, duly licensed and that use municipal, state and/or federal highways as a means for correctly disposing the waste.

**According to NBR 10.004:2004, these are hazardous wastes that present levels of flammability, corrosivity, reactivity, toxicity and pathogenicity.



Water

(GRI 3-3, Pollution prevention and control (soil, accident) & Management of residues 303-1, 303-2)

The treatment of condensed effluents from Gás Verde's Seropédica and Nova Iguaçu units is carried out by a specialized company that periodically collects material in vacuum trucks. We follow all packaging and disposal standards established by the environmental body in our operations. At every disposal, we communicate **INEA (Instituto Estadual do Ambiente, State Environmental Institute)** on the amount of waste and we issue the **Waste Transportation Manifest (MTR - Manifesto de Transporte de Resíduos)**. The entire process is certified via documentation before public bodies in platforms available for potential audits.

The sanitary effluents generated in Gás Verde's Nova Iguaçu and São Gonçalo units are removed by the company responsible for the respective landfills. Gás Verde's and EVA's Seropédica units have a closed septic tank where all the sanitary effluent is temporarily stored for proper collection and disposal by a third-party company.

The condensed effluents, generated from the biogas and biomethane purification process are sent to the condenser box and periodically withdrawn by specialized companies, also licensed by the competent environmental agency and authorized to carry out such services at Gás Verde and EVA units, in Seropédica.

At EVA Mauá, effluents are disposed on their own. In general, the process does not generate effluents, except for the condensate that accumulates in the pipes. This is sent to landfill's slurry treatment plant, which makes the physical-chemical-biological treatment in accordance with the standards established by Conama Resolution 357/2005.

EVA Sorriso manages its water resources in a slightly different way. The effluents coming out of the operation biodigester are directed to a tailings dam, where the water undergoes a regular acidity (pH) control. The biodigester dam goes through regular chemical analysis in order to assess the decomposition rate and the organic matter level. Therefore, no disposal is made in the hydrous body. The maintenance of the silt removal in the lake is constant, in order to prevent that any material get in touch with the groundwater and water bodies in the area, such as streams and lagoons.

Urca Trading, Urca Gás and Grupo Urca Energia units are administrative facilities, located in commercial buildings and with its own water resource management, in accordance with the Conama Resolution 430/2011.





Energy

The energy consumption of the Group's plants is controlled using meters installed in different stages of the production process in order to map which points have the greatest energy intensity. When identifying outdated machines and/or excessive energy consumption, the Engineering and Production area works immediately in the maintenance and/or replacement of these machines.

Gás Verde's Nova Iguaçu plant produces all the energy used in its operation. As for Gás Verde's Seropédica plant energy consumption, it is fully grid-connected and provided by the local energy supplier, Enel. In EVA units, the electrical energy produced is injected into the grid after the plant's internal consumption. The Group's administrative units are EVA customers, guaranteeing a 100% renewable electrical energy consumption.

Inventory of Greenhouse Gas Emissions

(GRI 3-3 Management of greenhouse gas emissions, 305-1, 305-2, 305-3)

The greatest instrument for controlling the use of energy is the Inventory of Emissions, carried out annually. In 2021, in our first operational year, we prepared the Inventory of GHG Emissions of Gás Verde (Seropédica, Nova Iguaçu and São Gonçalo) according to the GHG Protocol methodology. From there, we made internal improvements and we had more accurate diagnoses for basing our

strategic decisions. In 2022, we expanded the mapping of emissions to all Group companies in order to reformulate and adapt engineering projects to future plants, so that we have an operation less and less energy-intensive. Furthermore, we published our Inventory in the Emissions Public Registry* in order to provide our stakeholders with business transparency and to contribute with references that may support the sector in the development of public policies.

Our 2022 Inventory of GHG Emissions adopted concepts and guidelines established by the GHG Protocol accounting and quantification specifications, the Greenhouse Gas Protocol and in accordance with the ABNT NBR ISO standard 14,064:2007. Additionally, we consider the following accounting criteria and methodologies: IPCC Guidelines for National Greenhouse Gas Inventories (1996 and 2006) and IPCC Fifth Assessment Report: Climate Change (AR5, 2013).

Greenhouse gases considered in the Inventory:

- Carbon dioxide (CO₂);
- Methane (CH₄);
- Nitrous oxide (N₂O);
- Sulphur hexafluoride (SF₆);
- Nitrogen trifluoride (NF₃);
- Hydrofluorocarbons (HFCs);
- Perfluorocarbons (PFCs).

CH₄, N₂O, SF₆, NF₃, HFCs and PFCs emissions are expressed as CO₂. The gases identified in Urca Gás were: CO₂, CH₄, N₂O and HFC.

That way, all GHGs were considered and made available for the knowledge of our stakeholders.

GHG Protocol

The GHG Protocol is a global suite of standards, guidance, tools and training created by the WRI (World Resource Institute) and the WBCSD (World Business Council for Sustainable Development) so that companies and organizations can measure and manage GHG emissions in a standardized way.



*Public platform for publishing GHG Emissions' Inventories of the companies that participate in the Brazilian GHG Protocol Program.



Improvements as of our first Inventory of GHG Emissions

- Evaluating and replacing equipment with other ones that are less energy-intensive, thus reducing our carbon intensity.
- Assessing and replacing stocks, such as refrigerant gases, with less polluting options.
- Evaluating options for clean energy backup with the installation of smart energy meters.

These improvements also reflected in terms of production. In 2022 we treated around **650,000 m³/day** of biogas in the Gás Verde operation, resulting in a **18%** increase in the biomethane production. In EVA units, we produce **more than 50 million kWh** in 2022.

| | 2021 | 2021 |
|-------------|---------------------------|---------------------------|
| Gás Verde | 30,135,619 m ³ | 35,546,380 m ³ |
| EVA Energia | 4,219.18 MWh | 50,037.47 MWh |





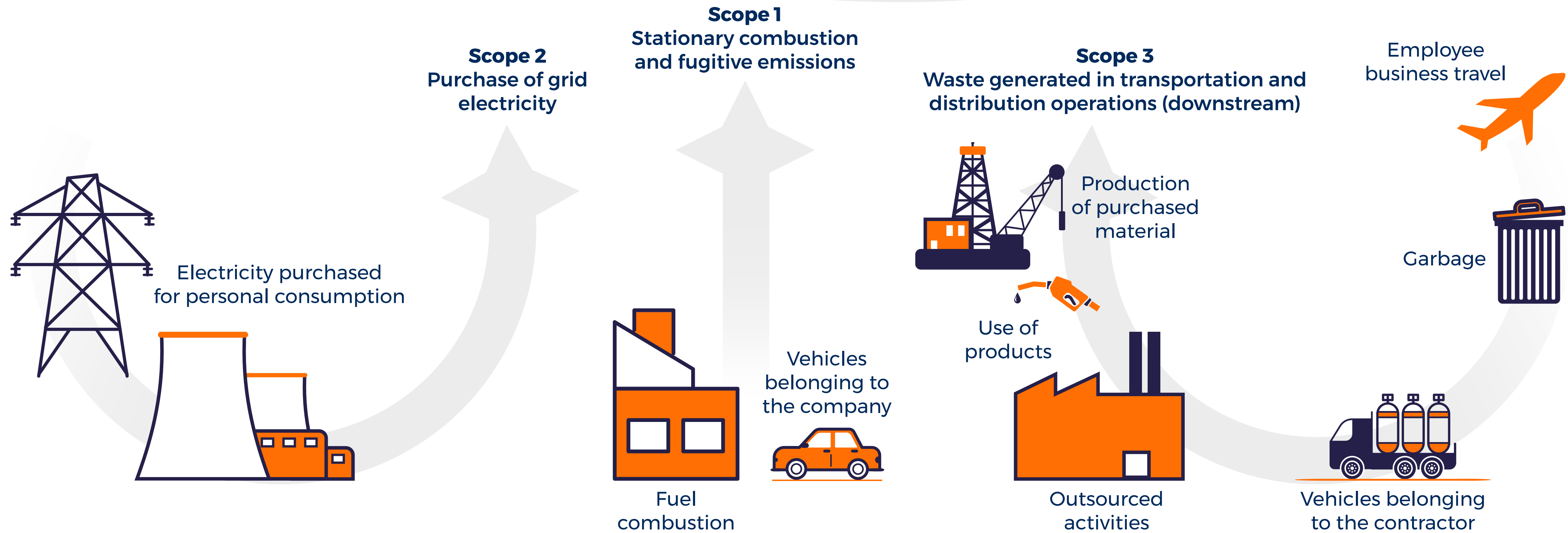
Sources of emission included in the 2022 Inventory:

| Scope | Category | Source of emission | Unit |
|---------------------|---|--|--|
| Scope 1 | Diesel combustion inside generators | Diesel combustion in generators | GV Seropédica |
| | | Biogas combustion in flares | GV Seropédica, EVA Seropédica, EVA Mauá |
| | | Biogas combustion in generators | GV Nova Iguaçu, EVA Sorriso |
| | | Gasoline combustion in motor pumps | EVA Sorriso |
| | Fugitive emissions | Use of CO ₂ in fire extinguishers | GV Seropédica, GV Nova Iguaçu, EVA Seropédica, EVA Mauá, EVA Sorriso |
| | | Flare efficiency | GV Seropédica, EVA Seropédica, EVA Mauá |
| | | Use of R-407A in air conditioning devices | GV Seropédica |
| | Industrial processes | Use of CO ₂ in fire extinguishers | GV Seropédica, GV Nova Iguaçu, EVA Seropédica, EVA Mauá, EVA Sorriso |
| | | Lubricant oxidation | EVA Sorriso |
| Scope 2 | Purchase of electrical energy | Consumption of grid electricity | GV Seropédica, GV Nova Iguaçu, EVA Seropédica, EVA Mauá, EVA Sorriso, Urca Gás, Urca Trading, Grupo Urca Energia |
| Scope 3 | Waste generated in the operations | Degradation of the waste organic matter sent to the landfill | GV Seropédica, GV Nova Iguaçu |
| | | Treatment of effluent via activated sludge | GV Seropédica, GV Nova Iguaçu, EVA Seropédica, EVA Mauá, Grupo Urca Energia, Urca Trading |
| | Transportation and distribution (downstream) | Biogas transportation | Urca Gás |
| Emission of Biomass | Emission of CO ₂ generated in the biomass combustion | Biodiesel combustion (as a diesel percentual) | GV Seropédica |
| | | Ethanol combustion (as a gasoline percentual) | EVA Mauá |
| | | Biogas combustion in generators and flares | GV Seropédica, GV Nova Iguaçu, EVA Seropédica, EVA Mauá |

*Calculated by the difference in flare burning efficiency.



Overview of scopes and emissions along the value chain





Emissions by matrix and by company in 2022*

| | Category - Sources of emission | Gás Verde** (in tCO ₂ e) | Grupo Urca Energia** (in tCO ₂ e) |
|---------------------------|--|-------------------------------------|--|
| Scope 1 | Stationary combustion | 25.98 | 14.82 |
| | Fugitive emissions | 2,869.00 | 46.00 |
| | Industrial processes | 0 | 0.321 |
| | Total in Scope 1 | 2,894.98 | 61.14 |
| Scope 2 | Purchase of grid electricity | 2,201.06 | 6.73 |
| | Total in Scope 2 | 2,201.06 | 6.73 |
| Scope 3 | Waste generated in operations | 45.24 | 0.11 |
| | Transportation and distribution (downstream) | 661.45 | 0.00 |
| | Total in Scope 3 | 706.69 | 0.11 |
| Total of Emissions | | 5,802.73 | 67.98 |

*Grupo Urca Energia includes emissions from the companies Urca Gás, Urca Trading, EVA Energia and the holding office, Grupo Urca Energia. Gás Verde emissions were reported separately because the company's business model has very different emission sources than the other companies in the Group. In this way, we provide more data transparency and enable greater business interpretation, in addition to allowing comparison with the company data reported in the 2021 Inventory.

**Gás Verde's inventory considered the operational units and the office, and Grupo Urca's inventory considered EVAs, Urca Gás, Trading and the offices.



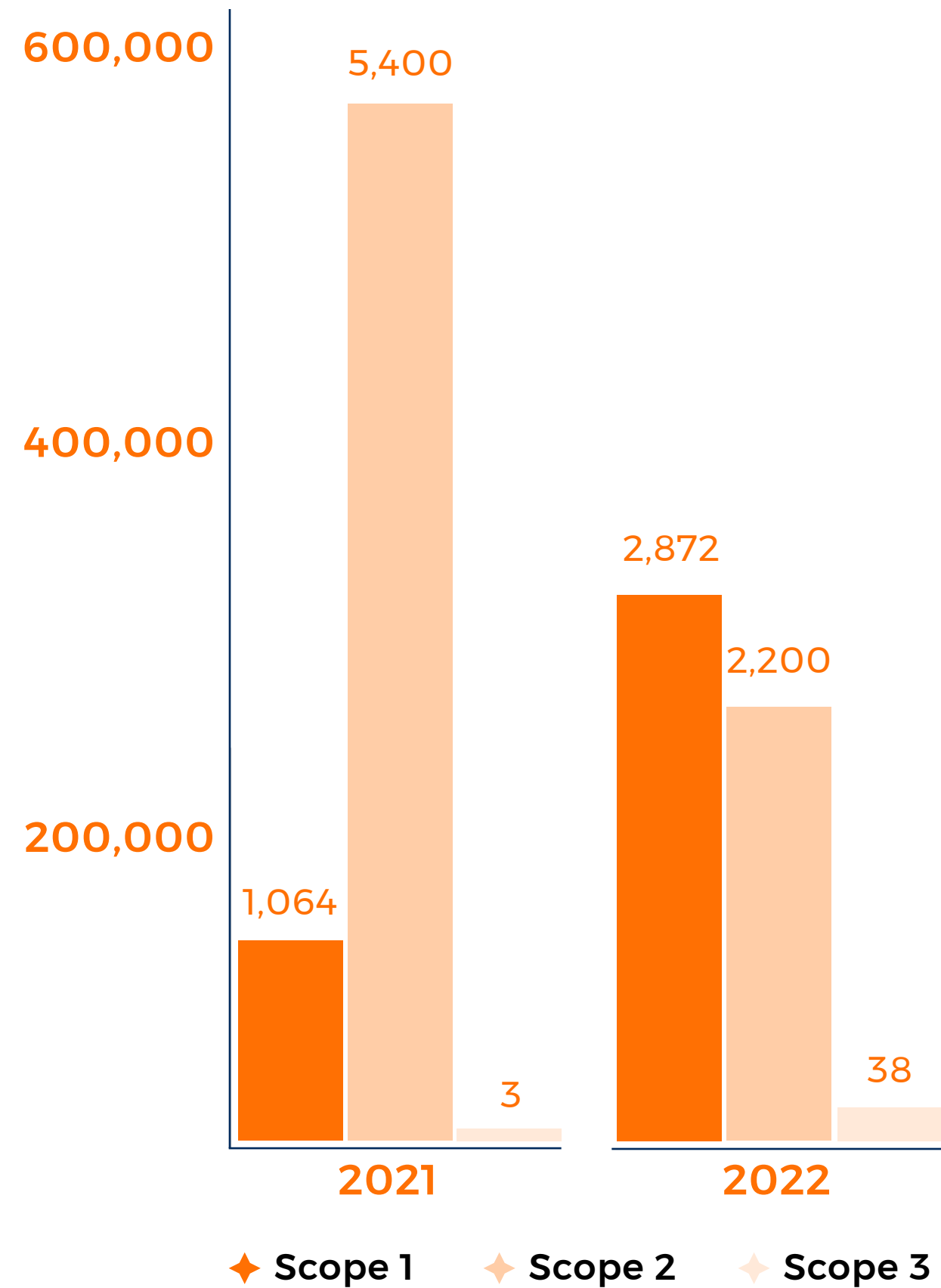
Emissions by matrix and operational unit in 2022*

| | Category | Gás Verde Seropédica (tCO ₂ e) | Gás Verde Nova Iguaçu | Barra (Gás Verde and Urca Gás office) | Total Gás Verde | EVA Sorriso (tCO ₂ e) | EVA Mauá (tCO ₂ e) | EVA Seropédica (tCO ₂ e) | EVA Biogas (RJ office) (tCO ₂ e) | Urca Trading (tCO ₂ e) | Total Grupo Urca Energia |
|---------|---|---|-----------------------|---------------------------------------|-----------------|----------------------------------|-------------------------------|-------------------------------------|---|-----------------------------------|--------------------------|
| Scope 1 | Stationary combustion | 3.72 | 22.26 | - | 25.98,00 | 4.95 | 4.50 | 5.37 | - | - | 14.82 |
| | Fugitive emissions | 2,868.99 | 0.01 | - | 2,869.00 | 0.07 | 21.45 | 24.48 | - | - | 46.00 |
| | Industrial processes | - | - | - | - | 0.32 | - | - | - | - | 0.32 |
| | Total in Scope 1 | 2,872.71 | 22.27 | 2,872.71 | 2,894.98 | 5.34 | 25.95 | 29.85 | - | - | 61.14 |
| Scope 2 | Acquisition of electrical energy | 2,200.41 | - | 0.65 | 2,201.06 | 1.91 | 2.16 | 1.88 | 0.47 | 0.31 | 6.73 |
| | Total in Scope 2 | 2,200.41 | - | 0.65 | 2,201.06 | 1.91 | 2.16 | 1.88 | 0.47 | 0.31 | 6.73 |
| Scope 3 | Waste generated in the operation | 38.01 | 7.23 | - | 45.24 | 0.03 | - | 0.03 | 0.03 | 0.03 | 0.11 |
| | Transport and distribution (downstream) | - | - | 661.45 | 661.45 | - | - | - | - | - | - |
| | Total in Scope 3 | 38.01 | 7.23 | 661.45 | 706.69 | 0.03 | 0.00 | 0.03 | 0.03 | 0.03 | 0.11 |

*Data compiled from the RPE GHG Protocol Cycle 2022 preliminary report



Comparative analysis of greenhouse gases issued by Gás Verde – 2021/2022



As a comparative data for Gás Verde Seropédica, using 2021 as the base year, we identified a **22%** reduction in their total emissions in 2022. This reduction is mainly linked to the operational category (Scope 1) due to increased biomethane production that went through operational improvements and required fewer polluting inputs, as well as for the 60% reduction in emissions on Scope 2 compared to 2021.*

Biomethane production in 2022 prevented the emission of 113,425 tCO2e in the atmosphere. That value represents a 18% increase in greenhouse gases prevented by Gás Verde operation compared to 2021.

This amount would be enough for more than 37,808 round-trip flights from Brazil to China or more than 700 thousand trees planted.

Additionally, in 2022, we acquired new and less electrically-intensive equipment to replace the previous ones, adding to this reduction. From the 2021 Inventory of Emissions, we took some actions to reduce our operations' emissions.



An example is the investment we are making to convert our entire fleet to biomethane-powered vehicles (see more on page 27) and the energy use management, favoring the grid over diesel-powered generators.

*The reduction was mainly due to the change in the calculation of Brazilian Interconnected System (SIN - Sistema Interligado Nacional) emission factor. The emission factor estimates the amount of CO2 associated with a given electrical energy generation. It calculates the average generation emissions, considering all the plants that generate energy. The shipping factor is calculated by the Federal Government (Ministry of Science, Technology and Innovation) and is therefore applied to all consumers of SIN's electrical energy.



05. VALUING

PEOPLE



GRI 2-7, 2-30, 401-1, 401-2, 401-3, 402-1, 403-1, 403-2, 403-3, 403-5, 403-6, 403-7, 403-8, 403-9, 403-10, 404-1, 409-1

We are a young company that is being structured and growing simultaneously. We know that our current challenge is to create a solid organizational culture amidst assets acquisition, new business development and the hiring of new employees.

We have implemented a Culture Guide to be shared with all employees, and we perform a safety integration with every new employee that arrives in the Group, where we present the risks and rules of our operations.

In this guide we detail our purpose and values, and we recognize the importance of our employees' partnership and performance in the active construction of a powerful and innovative group. We invest in training and qualification, and we are building a career plan to stimulate the talents that are already with us.

Great Place To Work®

In 2022, we received a **Great Place to Work** certification, a global consulting company which assesses the level of satisfaction of employees in various company fronts. One of the subjects highlighted by the assessment was respect.

Additionally, we received an overall score of 98/100 for employees who feel well treated regardless of their color or ethnicity, and 97/100 for employees who feel well treated regardless of their gender.

We renewed our certification in 2023, which assures that we are on the right path.

The Group acts in accordance with its **Code of Ethical Conduct and Integrity**, which guides direct and outsourced hiring through legally foreseen processes, with special attention to environmental, fiscal, tax, social security and labor legislation, abolishing child and forced labor. During all the period covered by the Report, there was no occurrence linked directly or indirectly to the Group regarding these kinds of situations. We closed 2022 with all employees regularized according to the Ministry of Labor requirements. (GRI 409-1)





OUR TEAM

GRI 2-7, 2-30, 3-3 Attracting and developing people and promoting diversity, 401-1, 401-2, 401-3, 402-1

We have ended 2022 with 158 employees. (GRI 2-7). The remuneration policy for Gás Verde’s operational areas is defined on a union basis, and for other companies in the Group, the remuneration is defined according to market studies and research in each work area. (GRI-2-30)

Our benefit plan includes a health and life insurance, as well as all benefits established by law, such as 5-day paternity leave and 120-day maternity leave. (GRI 401-2, 401-3)

Our plan also includes the creation of a health promotion plan for employees that are not directly related to the company’s operation, but rather to the health practices for promoting well-being and quality of life. (GRI 403-6)

Throughout 2022, we carry out the Great Place to Work consultancy, through which we consolidate the data regarding our employees’ characteristics. From these figures, we set goals to increase the female and ethnic representation within Grupo Urca Energia. As the questionnaire applied by the consulting company is not mandatory, the figures are different from those presented in the total number of employees (158).

Diversity and Inclusion

| | 2022 | Total representation | Goal 2023 | Goal 2028 | |
|--------------|------------------------------|----------------------|-----------|---|---|
| Gênero | Female | 24 | 19% | 15% of female representation | 48% of female representation |
| | Male | 95 | 75% | | |
| | Not informed/ Not identified | 7 | 6% | | |
| | TOTAL | 126 | | | |
| Faixa Etária | 25 years or more | 15 | 12% | 10% of employees are people over 55 years old | 15% of employees are people over 55 years old |
| | 26-34 years old | 23 | 18% | | |
| | 35-44 years old | 40 | 32% | | |
| | 45-54 years old | 30 | 24% | | |
| | Over 55 years old | 14 | 11% | | |
| | Not identified | 4 | 3% | | |
| TOTAL | 126 | | | | |
| Raça | Asian | 2 | 2% | 44% of ethnical representation | 55.9% of ethnical representation |
| | White | 71 | 56% | | |
| | Brown (mixed-race) | 41 | 33% | | |
| | Black | 3 | 2% | | |
| | Prefers not to answer | 4 | 3% | | |
| | Others | 2 | 2% | | |
| | Not identified | 3 | 2% | | |
| TOTAL | 126 | | | | |

We are committed to achieving the established goals, which were progressively outlined until 2028. We aim to achieve gender equity in a challenging sector, and already in 2022 we exceeded the target in female representation, increasing by 17% the number of women in our workforce.

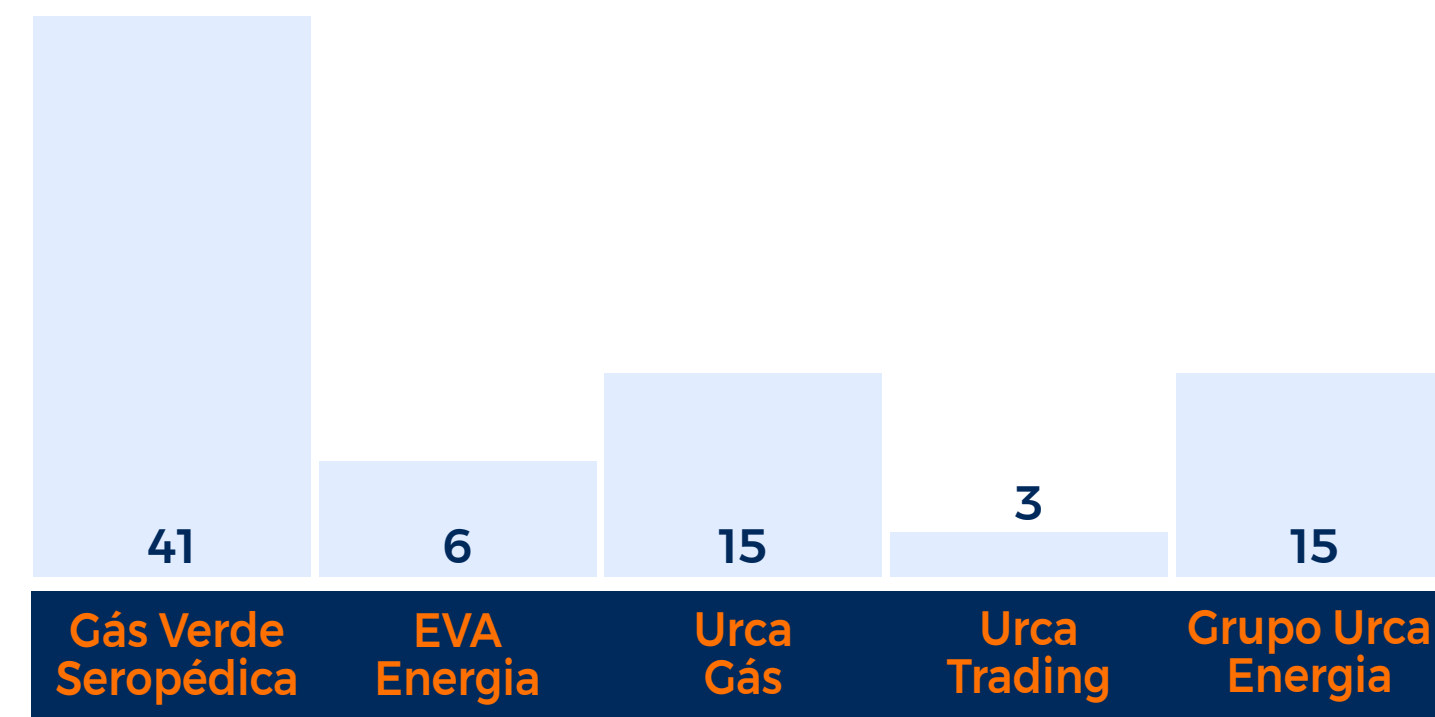
The same happened with the number of employees over 55 years old. We are actively working and developing strategies to capture new talents in order to achieve the goal of ethnic representation by the end of 2023.



With the expansion of our business and the growth of the Group, in 2022 we hired 80 new employees to join the team as follows.

Total of new hires in 2022

(GRI 401-1)



Total new hires in 2022 by region and gender

(GRI 401-1)

| Region | Female | Male |
|----------------|--------|------|
| Rio de Janeiro | 19 | 57 |
| São Paulo | 2 | 1 |
| Mato Grosso | 0 | 1 |

Total new hires in 2022 by gender

(GRI 401-1)

| Gender | Gás Verde Seropédica | EVA Energia | Urca Gás | Urca Trading | Grupo Urca Energia |
|--------------|----------------------|-------------|-----------|--------------|--------------------|
| Men | 39 | 4 | 9 | 1 | 6 |
| % Equivalent | 93% | 67% | 60% | 33% | 40% |
| Women | 2 | 2 | 6 | 2 | 9 |
| % Equivalent | 7% | 33% | 40% | 67% | 60% |
| TOTAL | 41 | 6 | 15 | 3 | 15 |

Training and qualification

(GRI 404-1)

We believe in our employees' continuous learning and we encourage training so that we can enable professional growth within the company. In our culture, we promote the participation and engagement of our team in resolving problems and, as per one of our values – "ownership attitude" –, we appreciate the opinions and solutions brought by them.

We are structuring a robust career plan for 2023, and we increasingly bring new challenges and opportunities for growth.

According to our policy, we inform our employees about any operational change at least 30 days before in order to provide them with time to adapt to the implantation. News usually circulates in the DSD (Daily Security Dialogue). (GRI 402-1)



HEALTH, SAFETY AND ENVIRONMENT IN OPERATIONS

GRI 3-3 Health, Safety and Environmental Management, 403-1, 403-2, 403-3, 403-5, 403-7, 403-8, 403-9

One of our biggest concerns is keeping our employees safe. We have a technical body that performs electrical, maintenance and industrial painting services, as well as biogas compression services, all mapped and preventive operational control measures. (GRI 403-1)

In Gás Verde, we created the **Emergency Response Plan (ERP)**, so that all employees who work at the plant, whether in administrative or operational positions, can be covered by the **System of Health and Safety**. This system operates preparing ergonomic, insalubrity and hazard reports, also covering base documents (**Risk Management Plan and Occupational Health Medical Control Plan - operational procedures and technical instructions**). (GRI 403-1)

We have an HSE team responsible for all safety procedures developed based on the risks inherent to activities at the plant.

We developed rules and training for the team, in addition to constantly monitoring whether the activities are being correctly developed. (GRI 403-2)

With the aim of identifying and minimizing risks associated with the Group's operations, especially the Gás Verde and EVA, we carry out a preliminary risk assessment based on operational controls, as well as process and procedures assessment, via testing of sampling. We also carry out **annual environmental assessments** in order to prepare insalubrity and hazard reports. (GRI 403-3)

We control the documentation regarding specific training for all employees who are not directly hired by the Group, but who carry out activities in our operations. Furthermore, we promote an **integration** where we address all topics regarding safety, health and environment. (GRI 403-5)

All new operations' employees receive a **30-days training**, where we provide them with an initial assistance for understanding the tasks, as well as knowledge of the risks related to production processes and substances used, besides integrating them into the **Prevention Program** developed by the Group. Employees who work in areas considered unhealthy must be aware of the most effective methods to mitigate or even eliminate the risks in these environments. (GRI 403-7)

We seek to follow the market good practices, occupational safety regulatory standards established by the **Ministry of Labor** and, even though the Group is not certified, we follow quality, environmental and safety standards in accordance with **ISOs 9001** (Quality Management System - QMS), **14001** (Environmental Management System) and **45001** (Occupational Health and Safety Management System - OHSMS). (GRI 403-8)



In order to ensure a safe operation, the use of **PPE** is mandatory in all plants, as well as **work permit (WP) requests** to perform non-routine tasks. We follow occupational safety regulatory standards established by entities such as the Ministry of Labor, **ABNT - Brazilian Association of Technical Standards - standards** and internal procedures.

The standards that relate to Gás Verde's activities are:

- NR-10: Trabalho com eletricidade
- NR-10: SEP - Sistema Elétrico de Potência
- NR-13: Vasos de pressão
- NR-20: Combustíveis
- NR-33: Espaço confinado
- NR-35: Trabalho em altura

The main risks of work accidents in the Group's operation, especially at Gás Verde, identified from a mapping of activities carried out by the HSE team, are avoidable risks when the use of PPE is correct. Among them are the projection of particles that can reach the eye area and chemical accident due to improper product handling. There is also the risk of falling due to work carried out in high places, of electric shock caused by high and low voltage and due to improper use of tools. Our management regarding these risks occur through a severe control of PPE use at the plant and constant training of the operational team.

In 2021, we needed to mandatorily communicate one work accident, representing a rate of 2.42%, and one high potential work incident identified. Happily, there were no records of accidents with serious consequences throughout 2021 and 2022. (GRI 403-9)

As for EVA, especially the Mauá unit, the applicable standards regarding the operation are:

- NBR 5419: 2015 - Protection standard against atmospheric discharges
- NBR 5410: 2004 - Standard for low voltage electrical installations
- NBR 14039:2021 - Standard for medium voltage electrical installations
- NR-10 - Safety standard in electrical installations and services
- NBR 7117: 2021 - Resistance measurement and determination of soil stratification

The security procedures that suit to these standards are the use of PPE (earmuffs, shoes, uniform and glasses) and training in safety measures carried out annually. The **Management System** meets applicable standards. The main control is the **RMP**, created in 2023 and which classifies the biogas plant as not explosive due to its operational characteristics. (GRI 403-1)

We have a daily activity plan, with **PRA - Preliminary Risk Analysis** -, which can be started only after the release of the **Work Permit (WP) and Work Entry Permit** by the supervisory authorities. (GRI 403-9)

At the beginning of the day, the operations team meets for the Daily Security Dialogue.

This is a precautionary measure carried out daily in order to ensure the team regarding the activities to be carried out in the field.

Furthermore, we are making an awareness effort regarding the importance of quantifying incidents in order to work on the base of the Frank Bird pyramid, a graphic proportionality representation existing between incidents (events that do not generate losses) and accidents with damage to the health of employees. (GRI 403-2)

| Company | Work accidents |
|-------------|-------------------------------|
| Gás Verde | 472 days without accidents* |
| Eva Energia | 1,035 days without accidents* |

*The last accident was registered in Seropédica plant, in Sep 15, 2021.
**The control is carried out since March 2020.



Occupational diseases

(GRI 403-3, 403-5, 403-8, 403-10)

The units of Urca Trading, Urca Gás and Grupo Urca Energia are offices and do not present Health, Safety and Environmental risks in their operations, except those determined by administrative work, such as RSI – Repetitive Strain Injury –, for example. In that sense, the Group makes efforts to offer the employees work facilities that provide the adequate ergonomics and a comfortable working environment. (GRI 403-8)

As per determination of the Ministry of Labor, in 2021 Gás Verde assessed, through a specialized company, the level of exposure to occupational diseases to which employees are submitted in the company's operation. The report identified services in confined space with possibility of contaminated atmosphere, exposure to noise, welding and industrial painting services, as well as charging and discharging of compressed natural gas (CNG). For such risks, protective measures were created by the HSSE team such as training, respiratory protection and atmospheric control, in addition to the creation of safety rules and regular inspection of activities. During 2021 and 2022, there were no records of deaths, nor confirmed cases of occupational diseases that needed to be mandatorily communicated. (GRI 403-10) EVA plants do not register occupational diseases related to the company's operation. (GRI 403-10)

All Gás Verde employees who carry out activities that involve working at heights and confined spaces, whether internal or external, are subjected to appropriate training. EVA Mauá's employees carried out training according to the fire brigade and the APP (*Área de Preservação Permanente*, Permanent Preservation Area) requirements (NR-06) and emergencies. (GRI 403-5)

As for the number of Group employees directly impacted by risks of occupational disease, here follows the table: (GRI 403-10)

| Risk | Employees 2021 | Employees 2022 |
|-----------------------------|----------------|----------------|
| Risk of fall | 15 | 28 |
| Exposure to hazardous gases | 43 | 41 |
| Ergonomics | 43 | 72 |
| Noise | 43 | 41 |
| Electric shock | 9 | 12 |
| Burn | 1 | 1 |
| Respiratory disease | | |

Conducted trainings

(GRI 403-3)

- **NR-33 - Regulatory Standard on Safety and Health in Works in Confined Spaces**
Gás Verde, Seropédica 2021
- **NR-35 - Regulatory Standard on Works at Height**
Gás Verde Seropédica, 2021
- **Respiratory Protection Program**
Gás Verde Nova Iguaçu, 2021
- **Hearing Protection Program**
Gás Verde Nova Iguaçu, 2021





06. A LONG WALK



A LONG WALK

We are closing the year 2023 with the release of **Urca Energia's first Sustainability (base years 2021-2022) and Emissions Inventory (base year 2022)**. In addition to reporting to our stakeholders, these documents will be used as a strategic tool for the Group. Based on the consolidated information and our objectives, we will determine the goals to be established for the coming years, as of 2024.

We will continue to promote biomethane as the best solution for the energy transition in Brazil, in order to include it permanently in the renewable energy market. We will act as reference Group in promoting customized environmental solutions for our customers and as an important player in the market. We will actively work together with ABiogás so that the biomethane market becomes a regulated market, in order to increase its business capacity.

Internally, our main goal is to continue building a robust organizational culture before a Group that grows its assets quickly. For that, we will consolidate a governance increasingly effective, participatory, transparent, with good practices and clear methods. In this process, we will have **Communication and Human Resources** as main support, qualification and training areas along with our employees.

From an environmental aspect, we pull out all the stops to improve efficiency in our operations, as to **use less and less resources and increasingly reduce the emission of greenhouse gases by increasing biomethane production.**

In terms of business, we continue exploring new horizons. We will produce and sell green CO₂ at Gás Verde's Seropédica unit, with an expected capacity of 100 tons/day.

Raw CO₂ gas is a by-product of biomethane production and can be applied in various industry sectors, such as metallurgy, food and beverages, textiles, paper and cellulose and sanitation. We want to **invest more in carbon credit negotiations** and we are studying alternative investments and projects related to Artificial Intelligence-driven data processing, so to be able of operating in the cryptocurrency mining market (commodities trading) with clean energy. We are aware of the new regulations in the free energy market, positioning ourselves as a Group that can help the transition of companies that are able to use this market as of 2024.

We are convinced that our next report will bring comparative results and qualitative analysis of the goals. This way, we can release a report in accordance with GRI standards, bringing even more transparency and reliability to our stakeholders.






07. GRI SUMMARY



SUMÁRIO GRI

| GRI Standarts | Content | Page/Answer |
|--|---|---|
| General content | | |
| 1. Organization and its reporting practices | | |
| GRI 2: General content 2021 | 2-1 Details of the organization | Urca Energia Participações Ltda. is a Brazilian private equity company based in Rio de Janeiro city, operating in Brazil. |
| | 2-2 Entities included in the organization sustainability report | 1. Urca Energia (Urca Energia Participações Ltda.) - holding 2. Urca Trading (Urca Comercializadora de Energia S.A.) 3. Urca Gás (Urca Comercializadora de Gás Natural S.A.) 4. EVA Energia (EVA Biogás Participações S.A.) 5. Gás Verde (GN Gás Verde Participações S.A.) |
| | 2-3 Report's period, frequency and point of contact | Group's first report. The report's period covers the years 2021 and 2022, with 2021 being considered contextual information, and all data mentioned refers to the annual period of 2022 January to December. In case of doubts, send an email to esg@urcaenergia.com Pages 6 and 18 |
| | 2-4 Information reformulation | Do not apply |
| | 2-5 External assessment | We do not have an internal policy that requires the Report's validation and we do not carry out external assessments. The ESG Committee, however, approves the content and the consolidated information in the Report |
| 2. Activities and workers | | |
| GRI 2: General content 2021 | 2-6 Activities, chain of value and other working relationships | Pages 18 to 28 |
| | 2-7 Employees | Page 53 |
| 3. Governance | | |
| GRI 2: General content 2021 | 2-9 Governance structure and its composition | Page 34 |



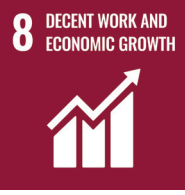






| GRI Standards | Content | Page/Answer | SDG |
|--|--|--------------------|---|
| General content | | | |
| 4. Strategies, policies and practices | | | |
| GRI 2: General content 2021 | 2-22 Statement on sustainable development strategy | Pages 4, 29 to 31 | |
| | 2-23 Policy commitment | Pages 36 and 37 | |
| | 2-26 Tools for counseling and presentation of concerns | Page 37 | |
| | 2-27 Compliance with laws and regulations | Page 37 | |
| | 2-28 Participation in associations | Page 25, 27 and 28 | |
| 5. Stakeholders engagement | | | |
| GRI 2: General content 2021 | 2-30 Collective Negotiation Agreements | Page 53 | |
| Material subjects | | | |
| GRI 3: Material subjects 2021 | 3-1 Process of defining material subjects | Pages 8 to 11 | |
| | 3-2 List of material subjects | Page 11 | |
| Prevention, monitoring and combating corruption | | | |
| GRI 3: Material subjects 2021 | 3-3 Material subject Management | Page 36 | |
| | 205-1 Operations assessed regarding corruption-related risks | Page 36 and 37 |  |
| | 205-2 Communication and qualification in policies and procedures for fighting corruption | Page 37 |  |
| | 205-3 Corruption cases confirmed and measures taken | Page 37 |  |



| GRI Standarts | Content | Page/Answer | SDG |
|---|---|------------------------------|-----|
| | Material subjects | | |
| Management of health, safety and environment | | | |
| GRI 3: Material subjects 2021 | 3-3 Material subject management | Pages 53 to 54, and 55 to 57 | |
| GRI 403: Occupational health and safety 2018 | 403-1 System of occupational health and safety management | Pages 55 and 56 | |
| | 403-2 Hazardousness identification, risk assessment and incident investigation | Pages 55 and 56 | |
| | 403-3 Services of occupational health | Pages 55 and 57 | |
| | 403-5 Qualification of workers in occupational health and safety | Pages 55 and 57 | |
| | 403-6 Worker's health promotion | Page 53 | |
| | 403-7 Prevention and mitigation of occupational health and safety directly linked with business relations | Page 55 | |
| | 403-8 Workers covered by a system of occupational health and safety management | Pages 55 and 57 | |
| | 403-9 Work accidents | Page 56 | |
| | 403-10 Occupational diseases | Page 57 | |

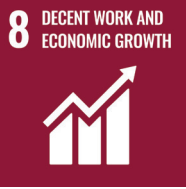
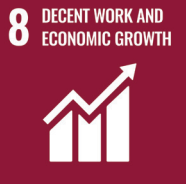
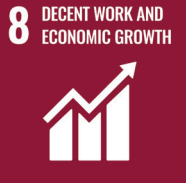
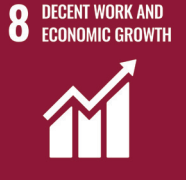
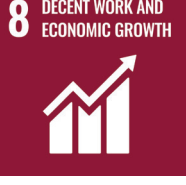


| GRI Standards | Content | Page/Answer | SDG |
|---|--|-----------------|---|
| Material subjects | | | |
| Climate changes: adaptation and mitigation | | | |
| GRI 3: Material subjects 2021 | 3-3 Material subject management | Page 41 | |
| GRI 201: Economic development 2016 | 201-2 Financial implications and other risks and opportunities resulting from climate changes | Page 41 |  |
| Social development and access to energy promotion | | | |
| GRI 3: Material subjects 2021 | 3-3 Material subject management | Page 39 | |
| GRI 203: Indirect economic development 2016 | 203-1 Investment in infrastructure and service support | Page 40 |  |
| GRI 413-1: Local communities 2016 | 413-1 Operations with engagement, impact assessment and development program facing local communities | Pages 39 and 40 |  |
| Pollution prevention and control (soil, accident) & Waste management | | | |
| GRI 3: Material subjects 2021 | 3-3 Material subject Management | Pages 42 and 43 | |
| GRI 303: Water and effluents 2018 | 303-1 Interaction with water as a shared resource | Page 43 |  |
| GRI 306: Waste 2020 | 303-2 Management of impacts related to water disposal | Page 43 |  |
| | 306-1 Generation of waste and meaningful impacts related to waste | Page 42 |  |
| | 306-2 Generation of meaningful impacts related to waste | Page 42 |  |



| GRI Standarts | Content | Page/Answer | SDG |
|---|---|-----------------------------|-----|
| Material subjects | | | |
| Pollution prevention and control (soil, accident) & Waste management | | | |
| GRI 306: Waste 2020 | 306-3 Waste generated (subject content) | Page 42 | |
| | 306-5 Waste sent to final disposal (subject content) | Page 42 | |
| Management of greenhouse gases emission | | | |
| GRI 3: Material subjects 2021 | 3-3 Material subject management | Pages 44 to 50 | |
| GRI 305: Emissions 2016 | 305-1 Greenhouse gas (GHG) direct emissions (Scope 1) | Pages 44, 46, 47, 48 and 49 | |
| | 305-2 Greenhouse gas (GHG) indirect emissions (Scope 2) resulting from energy acquisition | Pages 44, 46, 47, 48 and 49 | |
| | 305-3 Other greenhouse gas (GHG) indirect emissions (Scope 3) | Pages 44, 46, 47, 48 and 49 | |
| Respecting Human Rights and preventing its violations | | | |
| GRI 3: Material subjects 2021 | 3-3 Material Subject Management | Page 52 | |
| GRI 409: Forced or slave-like labor | 409-1 Operations and suppliers with significant risk of forced or slave-like work cases | Page 52 | |



| GRI Standarts | Content | Page/Answer | SDG |
|---|---|-----------------|---|
| Material subjects | | | |
| Attracting and developing people and promoting diversity | | | |
| GRI 3: Material subjects 2021 | 3-3 Material Subject Management | Pages 53 and 54 | |
| GRI 401: Employment 2016 | 401-1 New hires and employee turnover | Page 54 |  |
| | 401-2 Benefits offered to full-time employees which are not offered to temporary or part-time employees | Page 53 |  |
| | 401-3 Maternity/Paternity leave | Page 53 |  |
| GRI 402: Work relationships 2016 | 402-1 Minimum notice period for operational changes | Page 54 |  |
| GRI 404: Qualification and education 2016 | 404-1 Average hours of training per year, per employee | Page 54 |  |



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