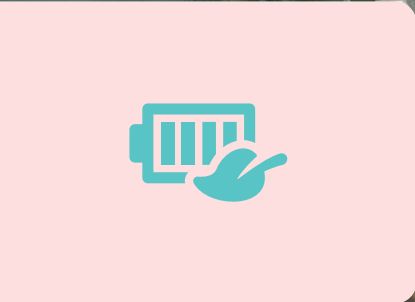




2023 INTEGRATED REPORT

OUR ENERGY IS READY FOR EVERY CHALLENGE



2023



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Sandrine
Meunier

shareholders to set a new tariff for the use of the transmission network. Valid for the next four years, this is always an important exercise that involves finding the right balance between what is needed, expected performance levels and affordability for our customers. As a result, though the tariff is rising by an average of 19% from 1 April 2024 due to the significant drop in predicted subscriptions and the end of several long-term commitments, the impact on bills for an average consumer will be limited to around €17 excluding tax in 2024.

Thirdly, dialogue with industry and local authorities accelerated in 2023 to help infrastructure projects emerge for hydrogen or CO₂ transmission. Most of these projects were selected by the European Commission to be awarded the Project of Common Interest (PCI) label in 2024, recognising their role in achieving the European Union's climate goals. This acceleration was felt even more strongly in terms of CO₂ logistics. We operate in the Dunkirk, Saint-Nazaire, Fos-sur-Mer and



A word from the CEO

OUR ENERGY IS READY FOR EVERY CHALLENGE

On 12 January 2024, the GRTgaz Board of Directors did me the great honour of appointing me to the position of Chief Executive Officer of the GRTgaz group. I am proud to follow in the footsteps of Thierry Trouvé, who guided the company through many challenges and achievements over nearly 11 years to prepare it for the future. This legacy, and the events of the past year, illustrate the importance of dialogue with our stakeholders at several levels in order to establish ever more firmly the key role of infrastructure and molecules in leading our country towards carbon neutrality.

Starting with dialogue with our gas shipper customers in order to manage the disruption caused by the war in Ukraine. In 2022, France had legitimate anxieties about the approaching winter of 2023... These fears have dissipated, the gas system has demonstrated its resilience and a kind of peace has been restored in the gas markets, which enabled us to look ahead to winter 2024 under more favourable conditions. This is partly down to the installation of eight floating LNG import terminals in Europe, including the one connected to Le Havre by GRTgaz, together with the national effort to achieve long-term energy sobriety. The Ecogaz programme, supported by over a hundred public and private operators, has helped to reduce consumption by nearly 20% between 2021 and 2023.

Then there is the dialogue throughout the past year with the French Energy Regulation Commission (CRE) and our



Seine valley industrial areas. Abroad, we are beginning work with our Belgian and Norwegian partners on how to connect industries in France whose processes, such as steel or cement production, generate fatal CO₂ emissions, to storage sites in the North Sea.

At the same time, we are making progress in our dialogue with the public authorities to define technical standards and practical operating guides relevant to the development of these new sectors. With the strength of its research centre, GRTgaz is uniquely positioned in Europe in terms of resources to manage the logistics of these new energy vectors.

Of course, we are continuing our dialogue with national and European legislators on the texts that will have an impact on the energy transition and the regulation of the hydrogen and methane markets. In France, the government has taken several very practical steps to relaunch the anaerobic digestion sector. All these measures align with an ambitious trajectory for the sector in the French Strategy for Energy and the Climate (SFEC) project, amounting to 44 TWh by 2030. The adjustments to the French hydrogen strategy revealed in late 2023 also send a positive message to our industry, with recognition for the role



“DIALOGUE WITH
INDUSTRY AND
LOCAL AUTHORITIES
ACCELERATED
TO HELP
INFRASTRUCTURE
PROJECTS EMERGE
FOR HYDROGEN OR
CO₂ TRANSMISSION”



of infrastructure and imports. At European level, 2023 was devoted to preparing for the fourth European gas package, which includes regulation for the hydrogen market that is broadly based on the current provision for natural gas.

Dialogue has also been ongoing with the electricity transmission operator, RTE. It is high time the network operators worked together to develop a shared vision and shared planning. RTE and GRTgaz conducted the first joint study to assess the issues involved in hydrogen development. It emerged that the primary usefulness of hydrogen transmission infrastructure is to connect hydrogen basins with storage to offer optimum flexibility for the electricity grid, with benefits that greatly exceed the cost of this infrastructure.

Quality of dialogue is a priority, including internal dialogue between GRTgaz teams, and this is bearing fruit in two essential areas: accidents and methane emissions. With only four occupational accidents resulting in absence, GRTgaz achieved one of its best results over the last 15 years. Another headline objective is controlling our methane emissions. These emissions have been falling steadily since 2016: by 2023, they were four times lower than in 2016, in line with our target of a fivefold reduction by 2024.

Finally, our dialogue with civil society was renewed with the establishment of a new Stakeholder Council (CPP). GRTgaz acts in line with its corporate purpose and promotes the integrated management of its financial and non-financial performance. As a result, the time had come for far-reaching changes to our CPP to ensure it better reflects society's expectations of us. The new council will be more closely associated with corporate governance, deepening the dialogue with the Board of Directors and the Executive Committee.

It falls to us to pursue and amplify this dialogue still further with the agricultural, waste disposal and academic worlds, and with everyone we work with successfully to develop reliable new solutions that are technologically and economically accessible in order to transform our energy system.

The GRTgaz transmission network



Region:

- Rhône-Mediterranean region
- Seine Valley region
- North-East region
- Centre-Atlantic region

Transmission network (France and Germany)

- 26 compressor stations (France)
- 4 head offices
- 7 interconnections with adjacent networks
- 4 interconnections with LNG terminals
- FSRU (Floating Storage and Regasification Unit) since September 2023
- Direction of natural gas flow
- Adjacent transmission and LNG terminal operators
- GRTgaz group

Profile of GRTgaz

French TSO, player in the country's energy performance and security, committed to future energy solutions.

Our corporate purpose:
“Together, enable a secure, affordable energy future that is climate-neutral”

Our activities serving our public service missions and our corporate purpose:

- Transport gas and contribute to the safety, smooth operation and performance of the French energy system
- Contribute to the aim of carbon neutrality for GRTgaz and the French gas chain by adapting our network and allowing access to renewable gas and hydrogen
- Support the development of renewable gas activities and the decarbonisation of our customers and regions



To see the GRTgaz presentation film

KEY FIGURES FOR 2023

Financial indicators

- Revenue: €2,112M
- EBITDA: €1,055M
- Net income: €317M
- Capex dedicated to renewable gas and the carbon trajectory: 17.8%

Labour indicators

- 3,309 employees
- Percentage of women in workforce (permanent contract): 24.56%
- Employee accident frequency rate: 0.8

Industrial indicators

- 32,641 km of pipelines and 26 compressor stations.
- 625.8 TWh of gas transported in 2023
- Connected capacity of 11.790 TWh/year for injection of renewable gas into French networks
- 15 decarbonisation projects with our customers since 2021
- 6 H₂ projects in our regions
- 97.3% customer satisfaction

Environmental indicators

- 22.4% drop in our carbon footprint for manageable scopes in relation to 2019
- 74.6% drop in our methane emissions compared to 2016
- 82% of our sites converted to the use of alternatives to synthetic pesticides





1.

Transformation to deliver the energy of the future



The Drivers of GRTgaz

RESILIENCE

Constantly evolving and adapting to crises. Resilience is a strong characteristic of our organisation. Predictive analysis, impact studies, etc. – faced with a perpetually shifting energy context and an uncertain future, our ability to bounce back and manage risks on a daily basis is more essential than ever.

1.1

Our business model and our ecosystem SNFP

OUR RESOURCES

HUMAN CAPITAL

3,309 employees
226 apprentices

FINANCIAL CAPITAL

• Reference shareholders
(ENGIE, Caisse des Dépôts)

€8,503M of capital
€3,627M of debt

INDUSTRIAL CAPITAL

32,641 km of pipelines
26 compressor stations
20 Number of reverse flow stations

INTELLECTUAL CAPITAL

107 research staff
€32.7M invested in R&D
40 start-ups supported including 4 NOVA
• *Research & Innovation Centre for Energy*

ENVIRONMENTAL CAPITAL

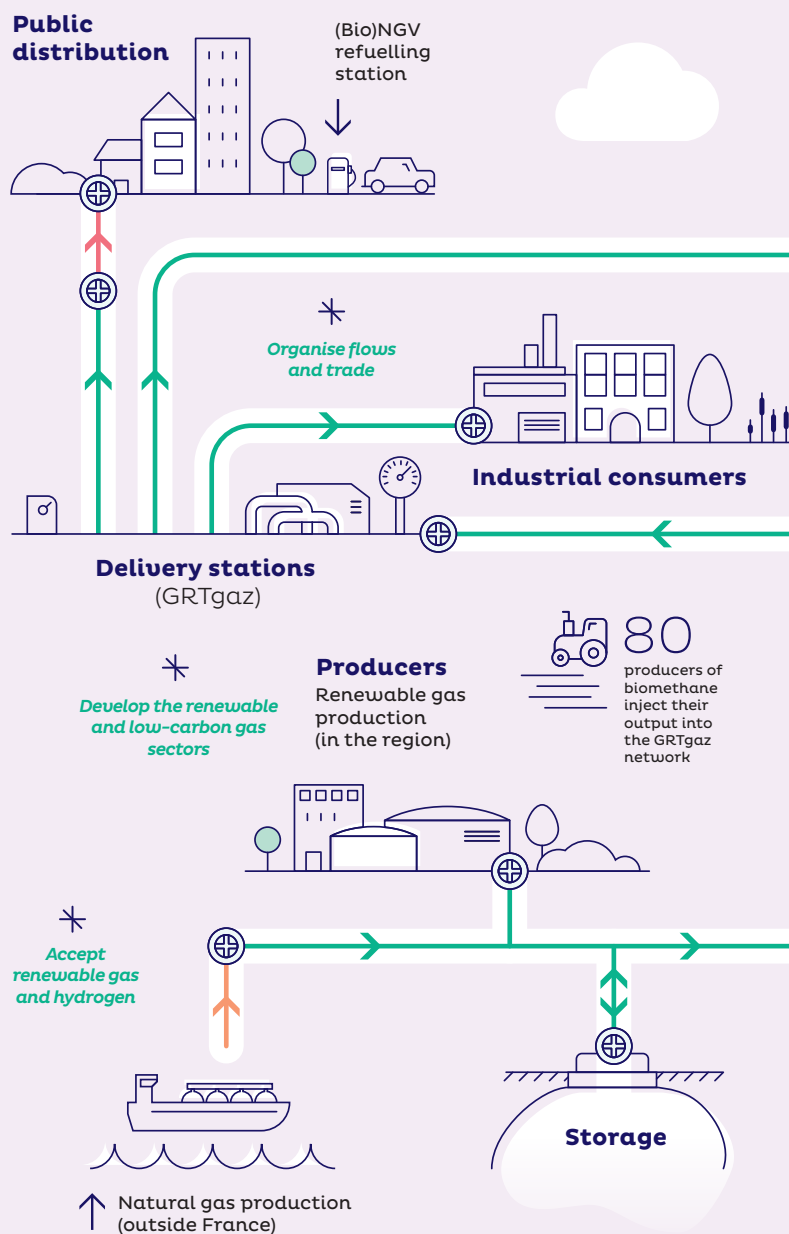
approx. 6,000 km of pipelines in protected natural spaces
2,061 GWh of primary energy consumption
• Climate strategy in line with the Paris Agreement (Net Zero initiative)
• Member of Act4nature France

SOCIETAL CAPITAL

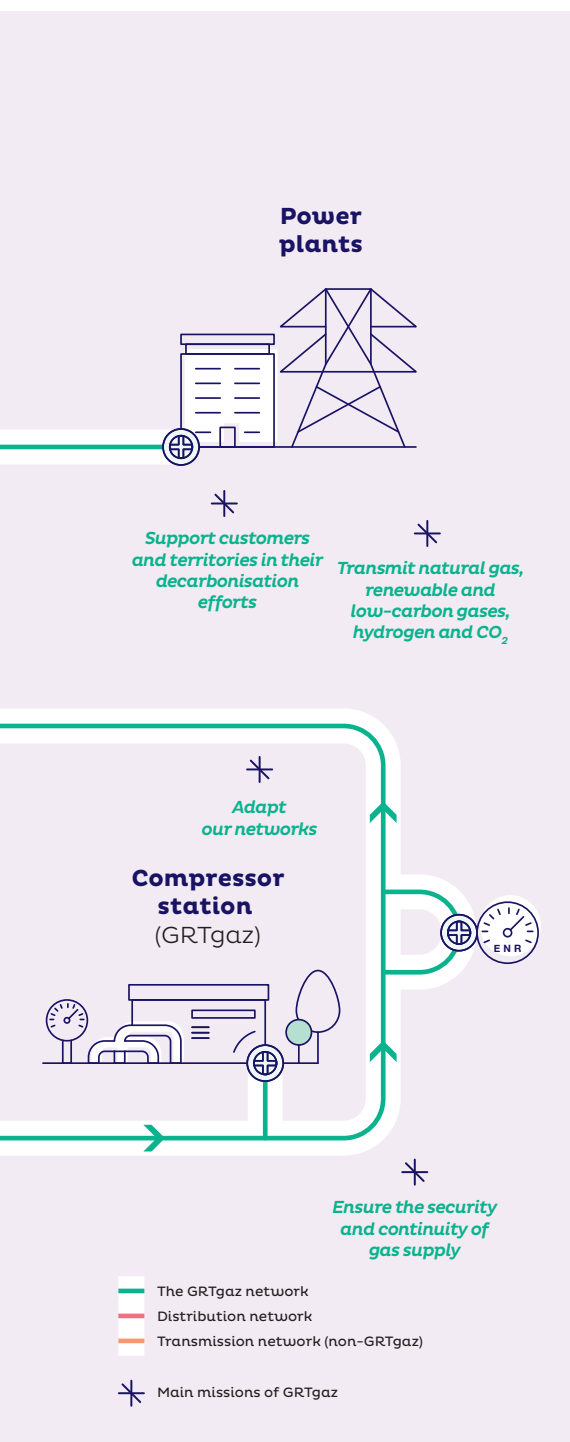
€540M of procurement in France in 2023, out of a non-energy total of €584M
201 partnerships, memberships and sponsorships, representing a total of €2.2M

OUR CORPORATE PURPOSE

“Together, enable a secure, affordable energy future that is climate-neutral”



Every day, GRTgaz fulfils its public service role of transporting natural and renewable gas and ensuring the gas market runs smoothly. To prepare for the future and support the environmental transition, GRTgaz is rethinking its model to accelerate the development of renewable gas and adapt its infrastructure to an increasingly decentralised business model.



VALUE CREATED (2023)

HUMAN CAPITAL

0.8 FR
among employees

71.5%
Employee engagement rate

94
Gender equality index

FINANCIAL CAPITAL

€2,112M
in revenue

€1,055M
EBITDA

€317M
in net income

€409M
in dividends

€416M
total investment

INDUSTRIAL CAPITAL

11.790 TWh/year
production capacity of renewable gas

97.3%
Customer satisfaction rate

625.8 TWh
of gas transmitted

INTELLECTUAL CAPITAL

83
categories of patents with at least one right in force, including 5 new FR applications in 2023

430
rights and requests active

77%
of employees trained

ENVIRONMENTAL CAPITAL

59%
of sites converted to zero pesticides

22%
of sites converted to biocontrol products

97.9%
of waste recovered

22.4%
reduction in our carbon footprint

SOCIETAL CAPITAL

€161M
of taxes and duties

116
Ecogaz: 116 partners working towards energy sobriety

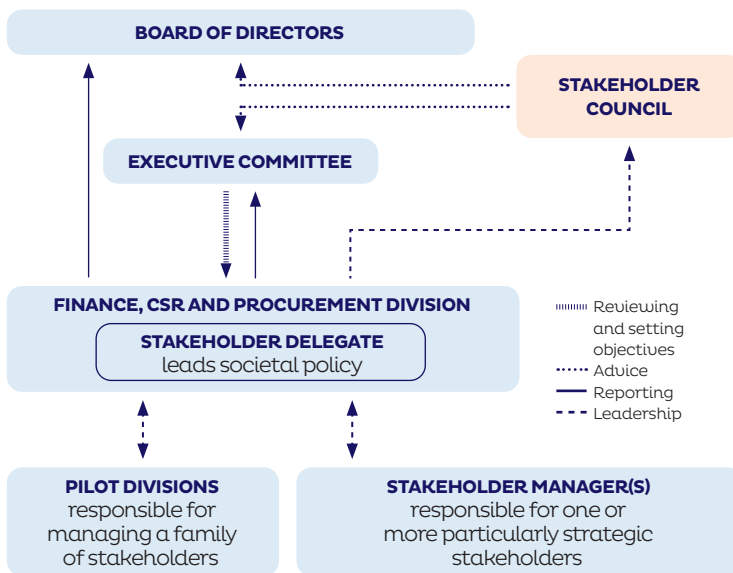
91%
of decision-makers regard GRTgaz as useful¹

1. Based on the results of the 2021 survey. The next survey will take place in 2024.

OUR ECOSYSTEM

Dialogue with stakeholders is a key component of GRTgaz's strategy to make a collective contribution to the deployment of a safe and affordable energy system that is climate-neutral. In 2023, GRTgaz formalised a new stakeholder policy to strengthen its vision of its key players, their expectations and subjects for dialogue, together with the company's capacity to respond effectively.

Governance involved in supporting our dialogue with our stakeholders



4 MAIN OBJECTIVES

- Mobilising our ecosystems for our historic activities and the development of renewable and low-carbon gas
- Managing our impacts
- Acceptability, legitimacy and reputation relating to our activities and projects
- The performance and consistency of our dialogue with society

3 AREAS FOR PROGRESS

- Better formalisation and clarification of how stakeholder dialogue is conducted and monitored
- Increased professionalisation of dialogue for the employees concerned, with targeted use of dialogue tools and training in complex stakeholder relations
- Stakeholder involvement in company governance, including the establishment of a new Stakeholder Council²

7 key subjects of dialogue

- 1 The safety and performance of the energy system
- 2 Affordable access to energy
- 3 The development and role of renewable and low-carbon gas and hydrogen
- 4 The environmental impact of our activities
- 5 The acceptability and appropriateness of projects and structures
- 6 The local roots and socio-economic impact of GRTgaz
- 7 Respect for human rights

2. For more information about our Stakeholder Council, see 6.3. Our CSR governance



10 stakeholder families

EMPLOYEES³

- 3,309 employees
- Trade unions and staff representative bodies

Dialogue arrangements

Regular surveys (staff barometer, diversity survey, etc.), annual interviews, social dialogue with trade unions and staff representative bodies, etc.

Department responsible for dialogue

Human Resources Department

Expectations of GRTgaz

- Well-being and quality of life at work.
- Meaning and values.
- Diversity and inclusion
- Recognition and remuneration
- Career development

Our responses in 2023

5.2 Developing skills, diversity and quality of life at work

Engagement rate: 71.5%
(France benchmark 79.4%)

SHAREHOLDERS

- ENGIE – 60.82% stake
- Société des Infrastructures gazières (SIG) – 38.61% stake
- Fonds Alto (employee shareholding): 0.57%



Dialogue arrangements

Board and committee meetings, strategy seminar and shareholder dialogue

Department responsible for dialogue

Senior management supported by the Finance, CSR and Procurement Division

Expectations of GRTgaz

- Stable, sustainable financial and non-financial performance
- Resilient business model in the face of climate change and the opportunities of the energy transition

Our responses in 2023

- Chapter 2: Connecting our energy and our stakeholders to contribute to carbon neutrality
- Chapter 4: Investing for affordable, sustainable energy
- Chapter 5: Mobilising the energy of our teams to guarantee the safety and continuity of our activities

Net income: €317M

CUSTOMERS

- Shippers
- Biomethane producers
- Industrial consumers
- Distribution network operators



Dialogue arrangements

Sales force, customer surveys, gas consultation scheme, trade events, sales information system...

Department responsible for dialogue

Sales Division

Expectations of GRTgaz

- Security and continuity of supply
- Competitive solutions
- Help with decarbonisation and new gases

Our responses in 2023

- 2.1. Our climate strategy
- 2.4. Helping our customers to decarbonise their energy
- 5.4. Business continuity and customer satisfaction

97.3% of customers satisfied

3. This family of internal stakeholders is covered by the company's employment policy, led by the Human Resources Director.

NATIONAL AND EUROPEAN PUBLIC AUTHORITIES



- French Energy Regulation Commission (CRE)
- European Commission
- State ministries and agencies
- DGEC (Directorate General for Energy and the Climate)
- DGPR (Directorate General for Risk Prevention)

Dialogue arrangements

Participation in national and European discussions and consultations, public affairs, CRE negotiation and consultation, bilateral meetings, survey, etc.

Department responsible for dialogue

General Secretariat – Public Affairs

Expectations of GRTgaz

- Safety and performance of the energy system
- Affordable access to energy
- Network and gas decarbonisation through low-carbon energy sources
- Support for the energy transition and renewable gas/H₂ projects
- Ethics and independence

Our responses in 2023

- 2.1. Our climate strategy
- 4.2. For affordable, sustainable energy
- 5.3. The security of our network and our information systems
- 5.4. Business continuity and customer satisfaction
- 5.5. Ethics and independence

11.790 TWh of biomethane production capacity connected to the network in 2023

GOVERNMENT AND REGIONAL PUBLIC STAKEHOLDERS



- Parliament
- Regional and large urban authorities
- Public bodies
- Energy associations
- Regional competitive clusters, regional agencies, etc.

Dialogue arrangements

Regional offices, participation in meetings and consultation initiatives, working groups, board meetings, visits to our projects and installations, partnership agreements, surveys etc.

Department responsible for dialogue

General Secretariat and Development Division

Expectations of GRTgaz

- Safety and performance of the energy system
- Support for the energy transition and renewable gas/H₂ projects
- Local socioeconomic development
- Open data about energy and mobility

Our responses in 2023

- 2.1. Our climate strategy
- 2.3. Our support for the development of renewable gas activities in our regions
- 5.3. The security of our network and our information systems
- 5.4. Business continuity and customer satisfaction

91% of decision-makers consider that GRTgaz is useful for the energy transition⁴

4. 2021 data.

SUPPLIERS

- Engineering and maintenance suppliers – 48%
- Energy suppliers – 23%
- IT suppliers – 17%
- Other suppliers – 12%



Dialogue arrangements

Barometer, meetings, seminars, etc.

Department responsible for dialogue

Finance, CSR and Procurement Division

Expectations of GRTgaz

- Partnership approach
- Respect for payment deadlines
- Visibility for future prospects and trends
- Development of responsible procurement approaches

Our responses in 2023

- 2.2. Reducing our emissions
- 5.5. Ethics and independence

98.14% of suppliers paid on time

CIVIL SOCIETY, ASSOCIATIONS AND NGOS

- Environmental, local, neighbourhood and social NGOs/associations
- Higher education institutions involved in the energy transition



Dialogue arrangements

Partnerships, facility tours, presentations at higher education institutions, participation in the work of trade associations, advising stakeholders, etc.

Department responsible for dialogue

Finance, CSR and Procurement Division

Expectations of GRTgaz

- Energy transition and renewable gas
- Energy expertise
- Affordable access to energy
- Control and reduction of negative impacts
- Local socioeconomic development and jobs

Our responses in 2023

- 2.1. Our climate strategy
- 2.3. Our support for the development of renewable gas activities in our regions
- 3.2. Limiting our impact on biodiversity
- 4.2. For affordable, sustainable energy

201 partnerships, memberships and sponsorships for an annual budget of €2.2M (excluding RICE)





THE MEDIA

- Trade, economics, generalist and regional press
- Social media



Dialogue arrangements

Regular communication with the press, meetings, press releases, press conferences, field trips, presence on the main platforms (X, LinkedIn, etc.)

Department responsible for dialogue

Communications Division

Expectations of GRTgaz

- Informing and communicating about GRTgaz and the sector
- Responding to requests for information clearly, quickly, reliably and transparently
- Visibility for future prospects and trends

Our responses in 2023

Chapter 2: Connecting our energy and our stakeholders to contribute to carbon neutrality
Chapter 4: Investing for affordable, sustainable energy
5.2. Development of skills, diversity and quality of life at work

- **27 national press releases**
- **41 regional press releases,**
- **1,578 press articles**
- **41,379 LinkedIn followers**
- **10,900 X followers**

GAS-RELATED TECHNICAL FIELDS

- Trade associations
- Standards bodies
- Gas quality organisations
- Research laboratories and the academic world



Dialogue arrangements

Taking part in themed working groups, R&D partnerships, NOVA incubator, research programmes and funding, etc.

Department responsible for dialogue

Industrial Assets Division and RICE (Research & Innovation Centre for Energy)

Expectations of GRTgaz

- Active participation in working groups
- Energy expertise
- Financial contributions and support

Our responses in 2023

4.3. For sustainable growth
5.3. The security of our network and our information systems



RENEWABLE GAS AND H₂ SECTORS

- Trade associations and/or specialist renewable energy groups
- Academic world, INRAE
- Eco-organisations
- APCA, competitive clusters, etc.
- Inter-operator groups (biomethane and H₂ injection)



Dialogue arrangements

Meetings, participation in inter-operator working groups and the work of trade associations, R&D partnerships, NOVA incubator, research programmes and funding, facility tours, etc.

Department responsible for dialogue

Renewable Gas Programme

Expectations of GRTgaz

- Development of injection capacity
- Energy expertise
- Support for the energy transition and renewable gas/H₂ projects

Our responses in 2023

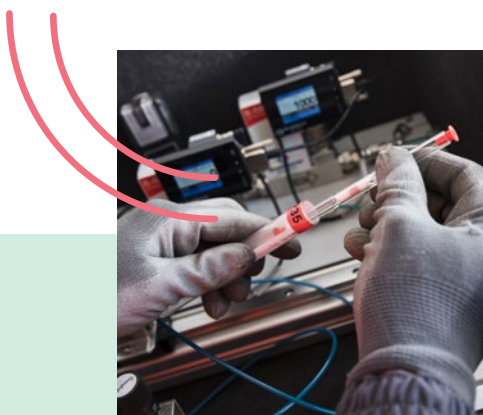
- 2.3. Our support for the development of renewable gas activities in our regions
- 2.5. Capturing and transporting CO₂ to accelerate industrial decarbonisation
- 5.3. The security of our network and our information systems
- 5.4. Business continuity and customer satisfaction

5 new pilot projects and demonstrators to support concrete progress in the emergence of new gases in the regions since 2021

1.2

Trends in the gas market SNFP

GRTgaz has identified four macro-trends that have a medium- and long-term influence on its activities. As they are interdependent, GRTgaz responds to these four challenges globally through its transformation strategy, its CSR policy, its dialogue with stakeholders and the adaptation of its assets and its business model. In this way, each trend is also a source of opportunities and GRTgaz is adapting to deliver sustainable solutions to the resulting challenges for society.



To find out more and learn about the CRE report on the future of gas infrastructures

ENERGY SOBRIETY AND REDUCING CONSUMPTION

-25% methane consumption in France by 2030 (vs. 2012)⁵

OPPORTUNITIES

- Acceleration of renewable energy
- Helping players to achieve sobriety
- Role of gas in the French energy mix (a CRE study¹¹ projects a volume of gas consumption between 165 and 320 TWh by 2050)

RISKS

- Stricter regulations to reduce gas consumption, including renewable gas, in the residential or mobility sectors
- Intensified deindustrialisation if the renewable gas and hydrogen offer is inadequate
- Long-term high prices
- Affordability of the tariff if volumes are too low

RESPONSES OF GRTgaz TO THIS CHALLENGE

- 11.7 TWh of annual renewable gas production capacity connected to the networks in 2023, with a target of 44 TWh of biomethane per network per year by 2030 in the SFEC¹²
- Ecogaz, with 24 alerts avoided during the winter of 2022-2023

For more information, see:

- Chapter 2.3
- Chapter 3.2
- Chapter 4

PERFORMANCE AND RESILIENCE OF THE ENERGY SYSTEM

44 TWh of biomethane in the networks by 2030⁶

OPPORTUNITIES

- Strengthening our role as the control tower for the gas system
- Power and storage capacity of the gas network
- Energy solidarity between regions thanks to the gas network
- Adaptability of the infrastructure to accept renewable gas
- Acceleration of the industrialisation of domestic biomethane production and energy sovereignty
- Energy complementarity and the role of gas as a backup to support the French electricity grid
- Resilience of the French gas network to climate change

RISKS

- Inadequate space for renewable and low-carbon gases in public policies
- Insufficient pace of growth in renewable gas in relation to the climate emergency
- Controversy about the availability of biomass and waste and competition over its use, disqualifying renewable gas solutions

RESPONSES OF GRTgaz TO THIS CHALLENGE

- 80 biomethane injection stations, including 17 commissioned in 2023
- 20 reverse flow sites, including 8 commissioned in 2023

For more information, see:

- Chapter 2.3

DECARBONISATION OF FRENCH INDUSTRY: NEW H₂ & CO₂ SECTORS

Between 4 and 8.5 MtCO₂/year captured by CCUS technologies⁷ by 2030⁸
500 km of H₂ pipelines deployed in 2030⁹

OPPORTUNITIES

- Support for sectors and regions in decarbonisation efforts and new business models, bolstered by renewable gas and the deployment of a CO₂ transport offer for CCUS
- Medium-term development of European hydrogen infrastructure (development of 500 km of H₂ pipelines, excluding the European backbones)
- Need for CO₂ infrastructure underlined in the government's CCUS strategy to capture, store and use CO₂

RISKS

- Underestimates of the relevance of renewable gas solutions for decarbonisation to supplement electricity
- Inadequate pace of development of hydrogen relative to needs and demand
- Excessively French-centric view, to the detriment of France's place on the European backbones

- Excessively high renewable and low-carbon hydrogen prices
- Delays in establishing terms for the regulation of H₂ and CO₂ transport

RESPONSES OF GRTgaz TO THIS CHALLENGE:

- Participation in the H₂MED¹³ consortium
- Launch of calls for expressions of interest in the creation of hydrogen basins
- Achieving the "Projects of Common Interest" (PCI) label awarded by the European Commission for H₂ and CO₂ projects involving GRTgaz
- Joint GRTgaz and RTE¹⁴ study into integration between electricity and H₂ systems
- Participation in the national and European consultation on the future CO₂ market

For more information, see:

- Chapter 2

ENVIRONMENTAL ACCEPTABILITY OF RENEWABLE GAS

Zero net artificialisation of ground cover (ZAN) by 2050¹⁰

OPPORTUNITIES

- Positive externalities of renewable gas beyond energy: agroecology and support for farming, waste management and the circular economy, jobs and socioeconomic benefits in the regions, etc.

RISKS

- Judicialisation of disputes over GRTgaz projects (appeals, environmental requirements, etc.)
- Slowing of projects and increasing fragility of the energy system, preventing gas from playing its backup role
- Lack of control over the cost of projects

RESPONSES OF GRTgaz TO THIS CHALLENGE:

- New GRTgaz environmental policy
- New GRTgaz societal policy
- Monitoring regulatory and legislative changes (ZAN, etc.) and measuring impact (biodiversity and carbon)

For more information, see:

- Chapter 1
- Chapter 3



To find out more about GRTgaz and Téréga's gas outlook for winter 2023/2024

5. New EU target of -30%.

6. Source: new multi-year energy plan (Programmation Pluriannuelle de l'Énergie).

7. Carbon Capture, Utilisation and Storage.

8. Source: French CCUS strategy.

9. Source: National strategy for developing low-carbon hydrogen in France.

10. Source: National biodiversity plan.

11. The study can be viewed here: "La CRE publie son rapport sur l'avenir des infrastructures gazières" - CRE - <https://www.cre.fr/>

12. French Strategy on Energy and Climate.

13. This project will be a vast hydrogen transmission corridor able to carry 10% of the 20 million tonnes of hydrogen specified in the REPowerEU targets for Europe by 2030.

14. The study can be viewed here: - <https://www.grtgaz.com/>

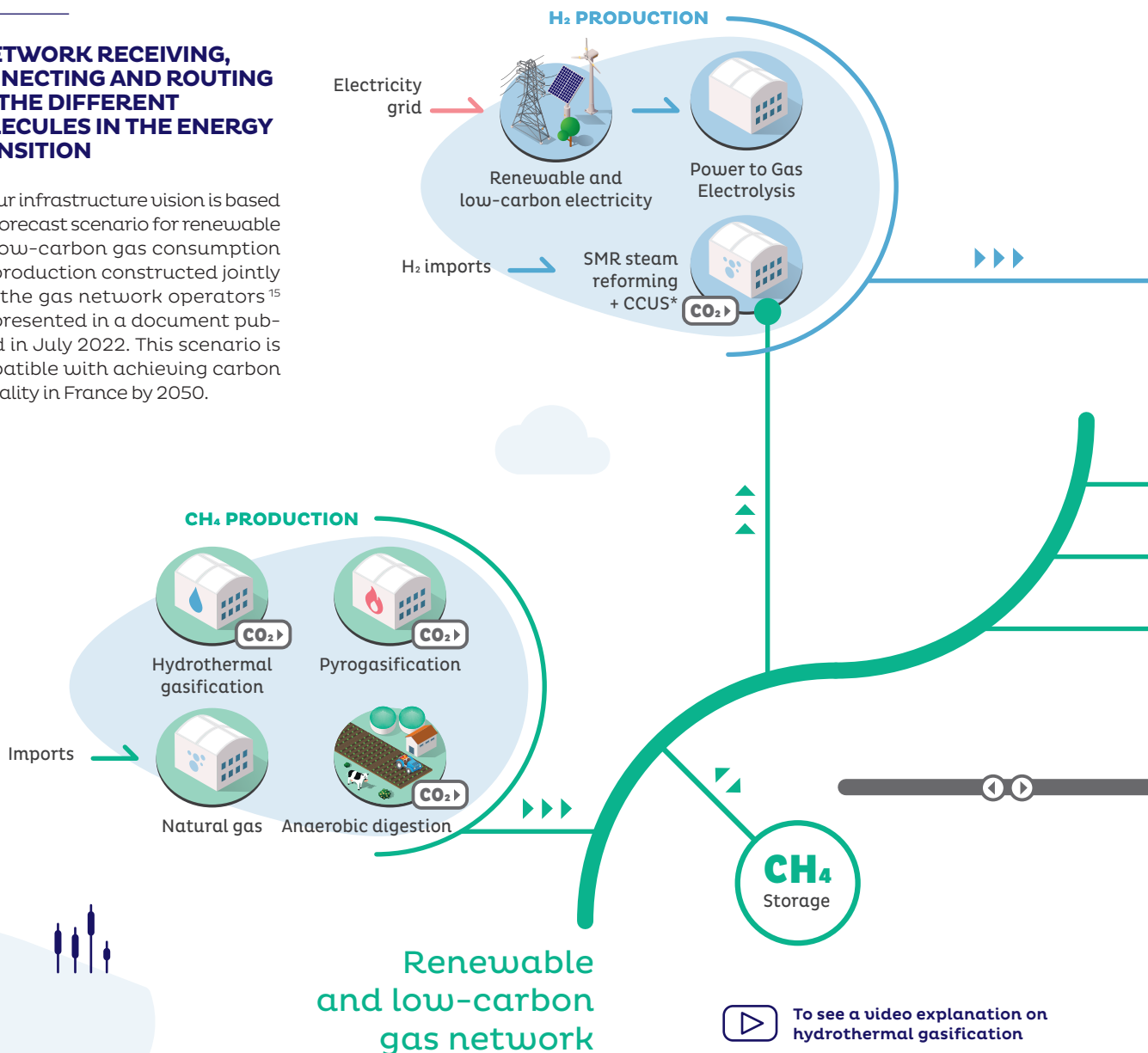
1.3

Our vision of gas infrastructure in 2050

 To see a video explanation on Power to Gas electrolysis

A NETWORK RECEIVING, CONNECTING AND ROUTING ALL THE DIFFERENT MOLECULES IN THE ENERGY TRANSITION

Our infrastructure vision is based on a forecast scenario for renewable and low-carbon gas consumption and production constructed jointly with the gas network operators¹⁵ and presented in a document published in July 2022. This scenario is compatible with achieving carbon neutrality in France by 2050.



 To see a video explanation on hydrothermal gasification

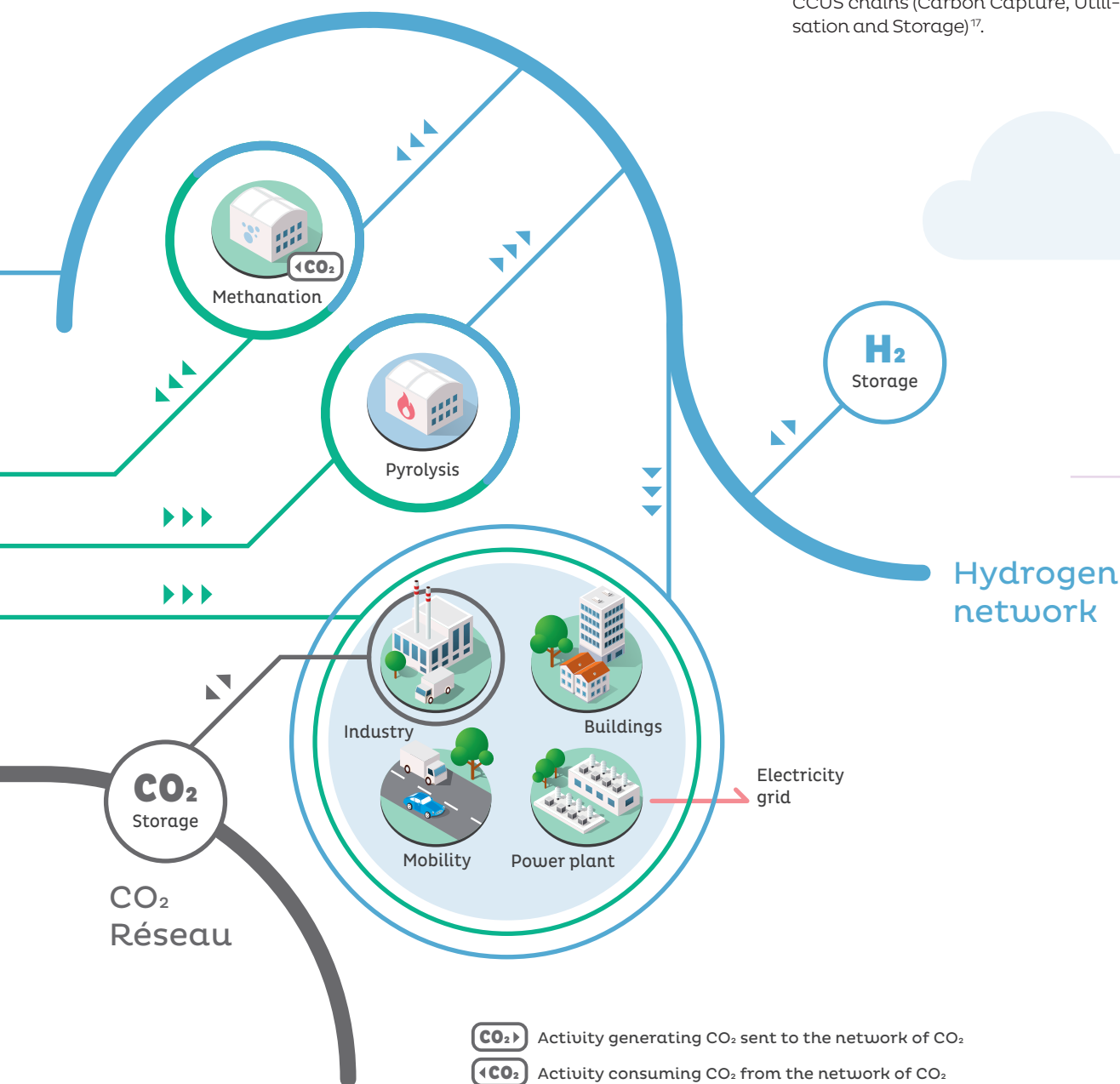
 To see a video explanation on pyrogasification

15. GRD, Teréga and SPEGNN, GRTgaz.
16. For France, this corresponds to a reduction of less than 50% in greenhouse gas emissions by 2030 compared with 1990.
17. See 2.1. Our climate strategy.

By 2050, all gas consumed will be from a renewable or low-carbon source, respecting the available sources of biomass as confirmed by several studies (Solagro, France Stratégie, Ademe). The scenario is also compatible with the European

Fit for 55 target¹⁶. This vision of 100% renewable gas by 2050 is dependent on changes to the gas transmission network, which will become a network transmitting only renewable or low-carbon gas and capable of connecting multiple production and

consumption points with storage locations. It is also a network that is developing its complementary aspects with other networks. Lastly, it is a network partly repurposed into a transmission network for renewable or low-carbon hydrogen, and contributing to the transmission of CO₂ as part of the development of CCUS chains (Carbon Capture, Utilisation and Storage)¹⁷.



CO₂ > Activity generating CO₂ sent to the network of CO₂

CO₂ < Activity consuming CO₂ from the network of CO₂

* CCUS: carbon capture, utilisation and storage CO₂



1.4

Our integrated strategy to support our transformation SNFP

Given the trends affecting the gas industry, the GRTgaz response is to speed up its transformation and its development to promote the decarbonisation of the gas system by

developing renewable and low-carbon gas. This strategy is driven by GRTgaz's corporate project CAP24 (2021-2024), in line with the company's CSR policy.

SPEEDING UP OUR TRANSITIONS

A human project

OUR MOBILISATION SERVING THE COMPANY'S TRANSFORMATION

- Unleash initiative, facilitate innovation, allow experimentation and the right to make mistakes and learn from one another
- Maintain and develop our technical and behavioural skills
- Define together the many future ways of working, both remotely and on site: MULTIPLEX approach

Two goals (seven strategic objectives)**1 ROLL OUT NATURAL GAS REPLACEMENTS****Secure customer loyalty and develop new gas applications**

Limit the decrease in subscriptions to 10 GWh/day/year for our direct customers

Build a carbon-neutral future alongside our customers, prospects, regions and partners with gas solutions

Meet the evidential challenge

Speed up the development of renewable gas activities

Target 12 TWh of renewable gas in the networks in 2024

Broaden the scope of GRTgaz's activities and find sources of growth**2 REINVENT OUR BUSINESS ACTIVITIES AND OUR PRACTICES****Supply more renewable gas at lower cost and prepare for the arrival of hydrogen**

20% reduction in injection and reverse flow facility costs in 2024 relative to 2020

Significantly reduce our carbon footprint

Achieve a fivefold reduction in our methane emissions by 2024 compared to 2016 and reduce our global CO₂ emissions by 20% by 2024 compared with 2019

Reduce our costs to meet our targets and stay on the price trajectory**2023 HIGHLIGHTS****REFOCUSING our efforts on new activities**

As part of the development of GRTgaz's diversification activities, we have begun to refocus our investment on hydrogen, biomethane and CO₂ transmission. Since 2020, we have redeployed 70% of the savings made through performance initiatives, investing in new activities to support low-carbon gas and reduce the carbon impact of our activities while maintaining our pricing trajectory.

PERFORMANCE in response to the planned decrease in our sales

The GRTgaz performance project, R24, was redeployed in 2023 with a transition from 17 to 8 divisions for a simpler organisation and improved performance by our teams.

ACCELERATING the human project

The path of our transformation has now been clearly established. Each division of the company has worked on a roadmap to accelerate the human project. The strategic themes of this transformation include skills development, collaboration and teamwork across the company.

OUR CSR STRATEGY IN 3 THEMES AND 10 COMMITMENTS

The CSR policy (2021–2024) and the CAP24 transformation project were developed at the same time. The dovetailing of many of the CAP24 and CSR policy objectives is evidence of our integrated management approach.

A SUPPORT AFFORDABLE NET ZERO CARBON

Commitment 1: Reduce our carbon footprint

Commitment 2: Speed up the energy transition by developing green gases

Commitment 3: Enable access to affordable and sustainable energy

Commitment 4: Grow sustainably



B RISE TO THE CHALLENGE OF THE ENVIRONMENTAL TRANSITION WITH OUR EMPLOYEES AND OUR STAKEHOLDERS

Commitment 5: Encourage the development of skills, diversity and quality of life at work for our employees

Commitment 6: Support our customers in their energy requirements and in converting their activities to net zero carbon

Commitment 7: Co-build sustainable energy solutions with local players

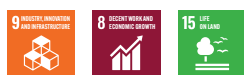


C CONDUCT OUR BUSINESS RESPONSIBLY

Commitment 8: Ensure the safety of people and infrastructure and the continuity of our services

Commitment 9: Conduct our business with suitable ethics and compliance

Commitment 10: Protect the environment (excluding carbon) and biodiversity from the impacts of our activities



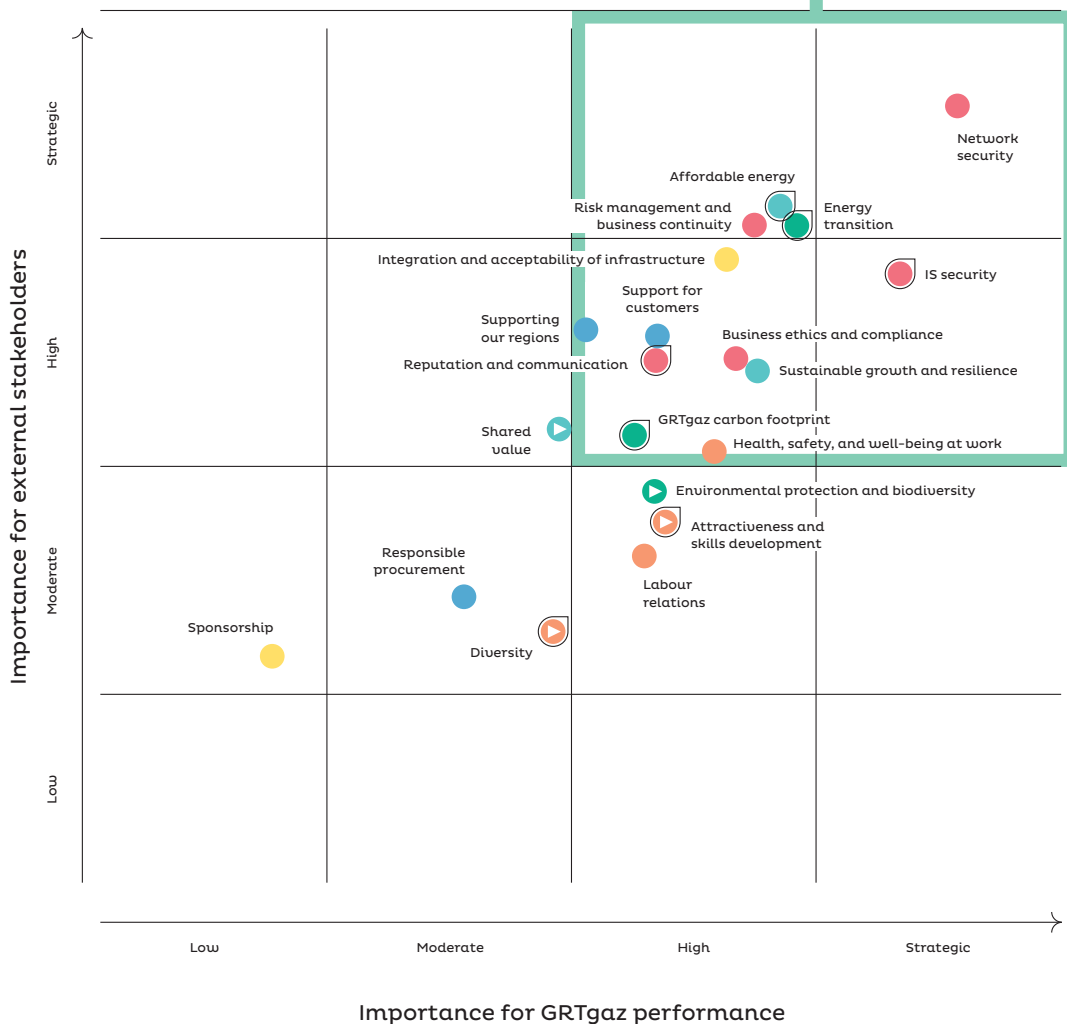
1.5

Our CSR priorities SNFP

In 2020, GRTgaz worked with its internal and external stakeholders to review its materiality analysis and non-financial risk assessment. The aim was to identify and prioritise its challenges involving social, societal and environmental risks. Thirteen main non-financial risks and four opportunities were identified and are covered in the 2023 statement of non-financial performance included in this report. These risks and opportunities fed into the 2021–2024 CSR policy and the CAP24 corporate plan.

13 non-financial risks

- Environmental issues
- Fair transition issues
- Stakeholder issues
- Governance and core issues
- Labour issues
- Societal issues
- ▶ Opportunities
- Growing importance over the next 10 years



1.6

Our creation of multi-capital value SNFP

HUMAN CAPITAL

KPI	2022 RESULTS	2023 RESULTS	2024 TARGETS	2030 TARGETS
Percentage of employees trained	85.2%	77%	80%	
Employee engagement rate	76.6% (France benchmark: 79.7)	71.5% (France benchmark: 79.4)	Greater than or equal to the benchmark	Greater than or equal to the benchmark
QVCT (quality of life and working conditions) index	73.9% (France benchmark: 74.3)	74.1% (France benchmark: 75.9)	Greater than or equal to the benchmark	Greater than or equal to the benchmark
Gender equality index	94	94	≥ 94	≥ 94
Employee accident frequency rate	1.4	0.8	≤ 1.7	
Contractor accident frequency rate	3.3	2.7	≤ 7	
% of teams given awareness training on ethics and compliance risks	50%	75%	100%	100%
% of employees (new hires) trained on cybersecurity per year	94.3%	100%	100%	100%

COMMITMENTS

NO. 5
Encourage the development of skills, diversity and quality of life at work for our employees

NO. 8
Ensure the safety of people and infrastructure and the continuity of our services

NO. 9
Conduct our business with suitable ethics and compliance

FINANCIAL CAPITAL

KPI	2022 RESULTS	2023 RESULTS	2024 TARGETS	2030 TARGETS
Revenue	€2,079M	€2,112M		
EBITDA	€1,198M	€1,055M		
Income from recurring operations	€658M	€507M		
Net income	€419M	€317M		
Investments	€401M	€416M		
Net debt	€3,643M	€3,627M		
Decrease in injection and reverse flow facility costs	-12%	-16.8%	-20%	-30% by 2028
Average cost of access to the gas transmission network (euro cents per kWh/day/year)	0.44 ¹⁸	0.45	0.48	NS
Share (in %) of investment spending (Capex) dedicated to renewable gas and the carbon trajectory	16.7%	17.8%	20%	≥ 30%

NO. 3
Enable access to affordable and sustainable energy

NO. 4
Grow sustainably

18. Data corrected relative to the 2022 report.

As part of this 2021–2024 CSR policy, GRTgaz reports on its financial and non-financial performance in 2023 in terms of the main types of capital used by the company to contribute to its purpose.

NATURAL CAPITAL

KPI	2022 RESULTS	2023 RESULTS	2024 TARGETS	2030 TARGETS
Drop in our carbon footprint – manageable scopes 1, 2 and 3 (in relation to the 2019 carbon footprint)	-19%	-22.4%	-20%	-40%
Reduction in our methane emissions	9.5 Mm ³	7.9 Mm ³	Fivefold reduction between 2016 (30.2 Mm ³) and 2024 (6 Mm ³)	Tend towards a “leaktight network”
% of sites converted to the use of alternatives to synthetic pesticides	69.5%	82%	55%	100%

COMMITMENTS

NO. 1
Reduce our carbon footprint

NO. 10
Protect the environment (excluding carbon) and biodiversity from the impacts of our activities

INDUSTRIAL CAPITAL

KPI	2022 RESULTS	2023 RESULTS	2024 TARGETS	2030 TARGETS
Annual renewable gas production capacity connected to the networks in TWh per year	9.034 TWh/year	11.790 TWh/year	12 TWh/year	60 TWh/year
Number of partnerships with our customers (in industry and mobility) related to decarbonisation	10	15	20	NS
Number of km of pipelines having undergone a fitness for service renewal	2,550 km	4,230 km total: 9,500 km	9,750 km	31,750 km
Delivery station supply interruption rate	0.12%	0.04%	≤ 0.2	≤ 0.2

NO. 2
Speed up the energy transition by developing green gas

NO. 6
Support our customers in their energy requirements and in converting their activities to net zero carbon

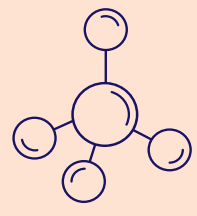
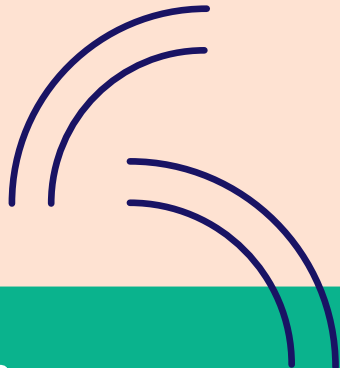
NO. 8
Ensure the safety of people and infrastructure and the continuity of our services

SOCIETAL CAPITAL

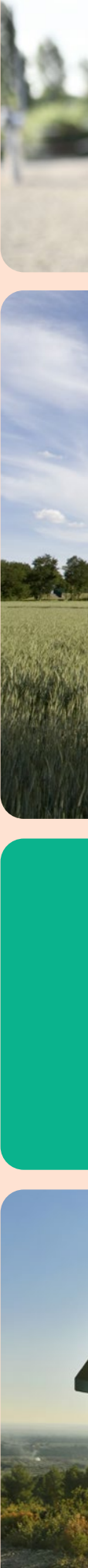
KPI	2022 RESULTS	2023 RESULTS	2024 TARGETS	2030 TARGETS
Number of pilot projects and demonstrators to support concrete progress in the emergence of new gases in the regions	5	5 inc. 4 H ₂ projects and 1 CO ₂ project	3	NS
% of decision-makers who consider that GRTgaz is useful for the energy transition	91%	91%	≥ 77%	NS
Number of active projects affected by legal action	0	2	0	0

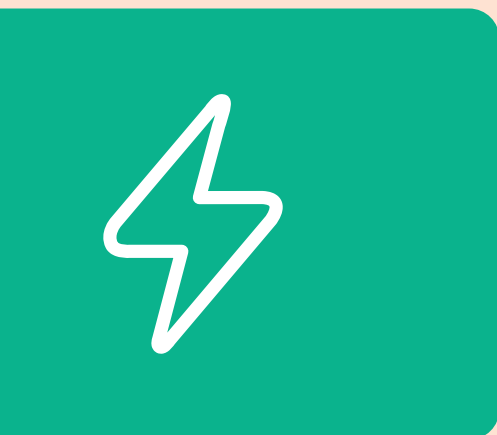
NO. 7
Co-build sustainable energy solutions with local players

NO. 10
Protect the environment (excluding carbon) and biodiversity from the impacts of our activities



2. Connecting our energy and our stakeholders to contribute to carbon neutrality





The Drivers of GRTgaz

COMMITMENT

The commitments that bind us to our customers, our employees and our partners – working with regional players to build sustainable energy solutions, developing renewable and low-carbon gas, being attentive to the safety of people and our infrastructure – are many and are an integral part of our DNA. The overall goal is a shared, responsible energy future.

2.1

Our climate strategy SNFP

In response to the climate challenge, GRTgaz has adopted ambitious carbon targets for its own needs and those of the gas industry, aiming to keep to a carbon trajectory

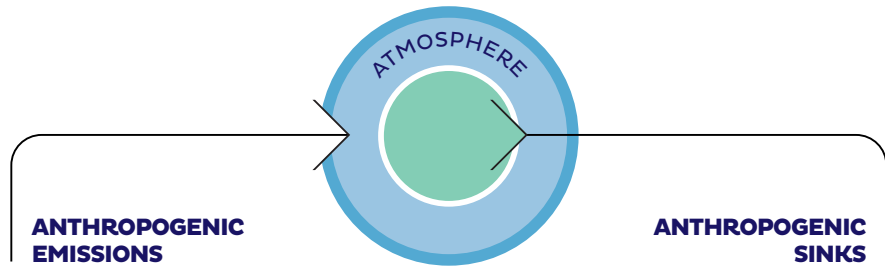
well below 2°C, compatible with the Paris Agreement and the national low-carbon strategy for emissions within its manageable scopes.



A signatory and active member of the Net Zero

Initiative (NZI) since 2020, GRTgaz describes and organises its climate strategy in accordance with the Net Zero Initiative matrix and its three separate pillars for organisations to contribute to global carbon neutrality.

THE CLIMATE STRATEGY AT GRTgaz



Global levers

Levers at the level of GRTgaz

Our commitments

Our ambitions

ANTHROPOGENIC EMISSIONS

ANTHROPOGENIC SINKS

REDUCING EMISSIONS

DEVELOPING SINKS

PILLAR A I reduce my GHG emissions

- Reduce our carbon footprint (Commitment 1 – SNFP)

PILLAR B I reduce others' emissions

- Speed up the energy transition by developing green gas (Commitment 2)
- Support our customers in their decarbonisation using renewable gas or by transporting their CO₂ as part of a CCUS solution (Carbon Capture, Utilisation and Storage) (Commitment 6)
- Co-build sustainable energy solutions with local players (Commitment 7)

PILLAR C I develop carbon sinks

- Study and monitor the completion or funding of actions leading to the proven development of carbon sinks, related to:
 - the development of property owned or borrowed by GRTgaz
 - biogenic CO₂ capture (from bioenergy production)

- Targets for reducing our GHG emissions (manageable scopes) vs. 2019
2024: -20% → 2030: -40%
- Targets for reducing our methane emissions vs. 2016: **2024: -80%**

2024 TARGETS

- **2024: 12 TWh → 2030: 60 TWh** of annual renewable gas production capacity connected to French networks
- **20** partnerships with customers on decarbonisation projects
- **3** new renewable gas or hydrogen pilot projects
- Over **77%** of decision-makers consider GRTgaz useful to the energy transition

2.2

Reducing our emissions SNFP

(Commitment 1: Reduce our carbon footprint)

The goal of GRTgaz is to reduce emissions within its scope of activity (scopes 1, 2¹⁹ and 3 where manageable²⁰ – excluding network development projects) by 20% by 2024 and then 40% by 2030. This scope covers all the emissions on which GRTgaz can act (compression energy, methane emissions, procurement and investments (excluding development), ways of working) and excludes from the manageable scopes any emissions associated with other links in the gas chain²¹. It corresponds to pillar A of the Net Zero Initiative plan mentioned above.

POLICY AND RESOURCES IMPLEMENTED TO REDUCE RISK

GRTgaz has put together a roadmap to reduce emissions within its manageable scopes by 2024. In particular, it covers:

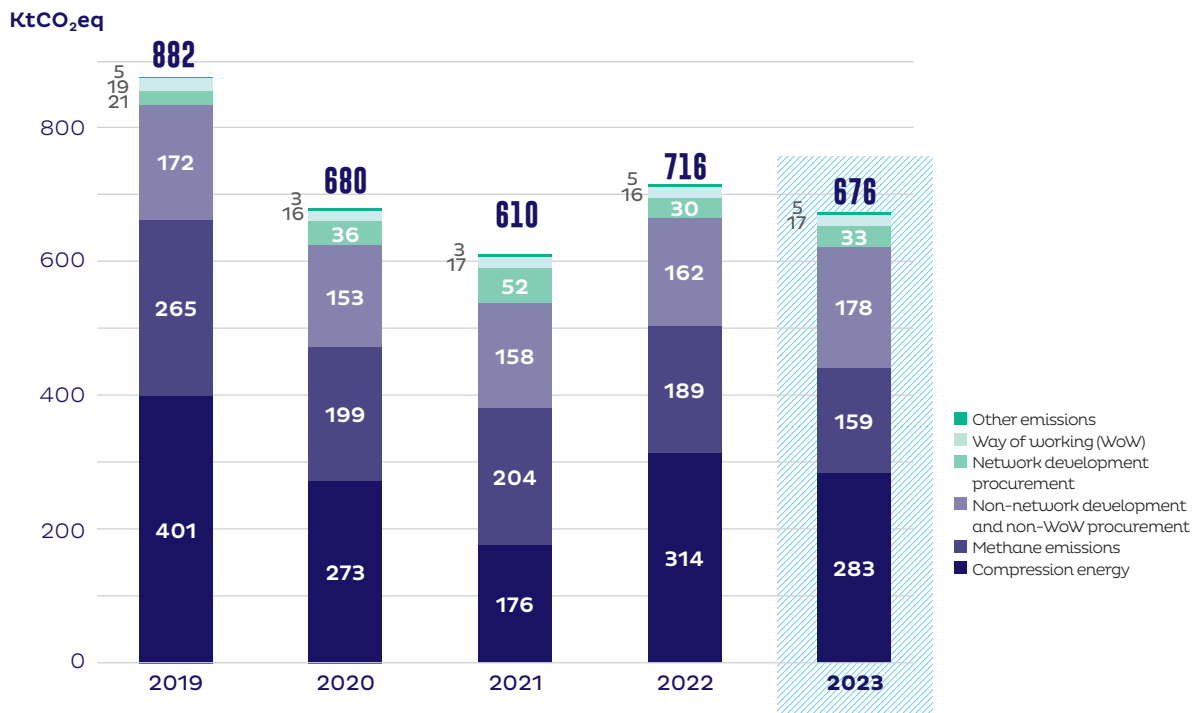
TERTIARY BUILDINGS, IT, VEHICLES AND TRAVEL	<ul style="list-style-type: none"> ■ Reducing the carbon impact of our way of working: energy sobriety plan for work spaces, remote working, IT and travel ■ Raising staff awareness of climate challenges to mobilise them in the process, particularly by working with Climate Fresk and the sobriety action plan
PURCHASING, CONSTRUCTION SITES AND INDUSTRIAL ASSETS	<ul style="list-style-type: none"> ■ Constructing the trajectory with our strategic suppliers, percentage of procurement from suppliers with a low-carbon trajectory ■ Adopting carbon criteria in investment decisions ■ Estimating the carbon footprint of construction sites and using low-carbon designs for new installations
METHANE EMISSIONS	<ul style="list-style-type: none"> ■ Detection and repair programmes for diffuse leaks conducted at all network stations and at compressor stations ■ Techniques (including Gas Booster, burning) to avoid venting during scheduled maintenance ■ Investment programme for compressor stations, adapting installations to reduce sources of emissions
POWER CONSUMPTION (COMPRESSION)	<ul style="list-style-type: none"> ■ Implementing energy performance plans ■ Adjusting and controlling flows and exchanges to start transits with little or no compression as soon as possible ■ Infrastructure adaptation projects to use the pressure available upstream from compressor stations and downstream via expansion energy recovery

19. Scopes 1 and 2 include emissions related to gas combustion, methane emissions, fuel combustion (the GRTgaz in-house vehicle fleet) and refrigerant leaks.
 20. Scope 3, where manageable, essentially involves emissions related to procurement (excluding gas transmission), waste, travel between home and work, information systems and business travel.
 21. This corresponds to the so-called "shared responsibility" scope 3, which includes emissions related to gas combustion by consumers, upstream gas transmission, gas production, downstream gas transmission/distribution and upstream energy consumed. GRTgaz's actions on this "shared responsibility" scope 3 are covered through commitments 2, 3, 4, 6 and 7. It corresponds to pillar B of the Net Zero Initiative plan mentioned above.

OUR RESULTS

KPI	REFERENCE	2024 TARGETS	2030 TARGETS	2022 RESULTS	2023 TARGETS	2023 RESULTS
Reduction in emissions within manageable scope (CAP24)	2019 figure: 810 ktCO ₂ eq	-20%	-40%	-19%	-16%	-22.4%
Reduction in our methane emissions (CAP24)	2016 figure: 30.8 Mm ³	Fivefold reduction between 2016 and 2024 (6.2 Mm ³)	approx. 3 to 4 Mm ³	9.5 Mm ³	7.9 Mm ³	7.9 Mm ³
Emissions linked to our ways of working	2019 figure: 18.7 ktCO ₂ eq	-20% 15 ktCO ₂ eq		-12% 16.4 ktCO ₂ eq		-10% 16.8 ktCO ₂ eq

CHANGE IN EMISSIONS WITHIN GRTgaz’S MANAGEABLE SCOPE
(SCOPES 1, 2 AND 3 EXCLUDING UPSTREAM AND FINAL USE OF TRANSPORTED GAS)²²



22. Review of the GRTgaz carbon footprint over the 2019-2023 period, taking into account a change in Ademe’s methodology, moving upstream emissions from energy, previously counted in upstream scope 3, into manageable scopes 1 and 2.

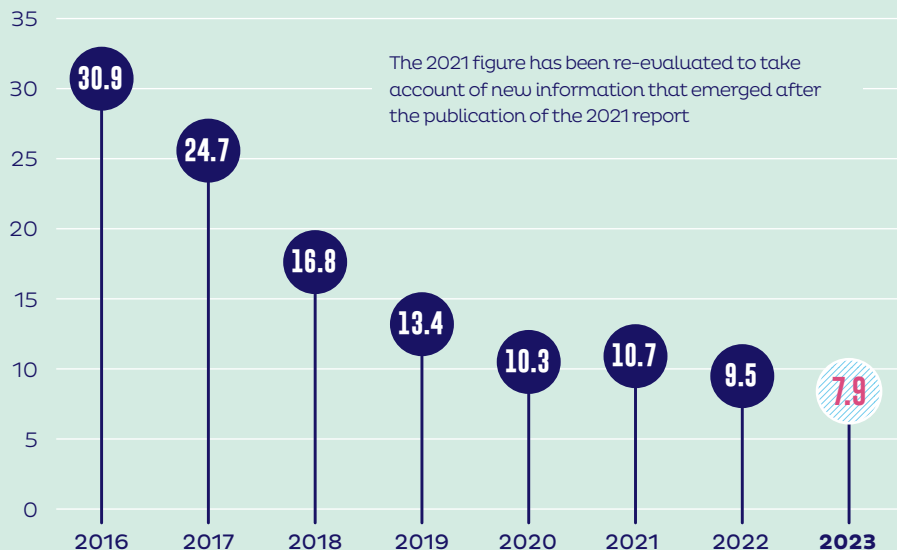


Close-up

METHANE EMISSIONS

CHANGE IN EMISSIONS SINCE 2016²³

in millions of (n)m³



BREAKDOWN OF EMISSIONS BY CATEGORY IN 2023

Compression – diffuse leaks and venting
12%

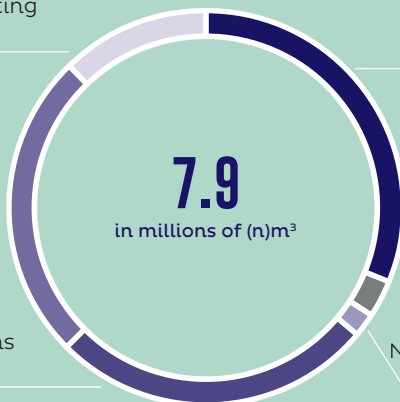
Network – diffuse leaks
31%

Network – other emissions
25%

Chromatographs
3%

Compression other emissions
26%

Network works
2%



23. Provisional data until OGMP approval in the second quarter of 2024

OUR ENERGY



by Caroline De Larminat
Head of the Connection Engineering Operational Department in the Industrial Assets Division

My role at GRTgaz

My department provides expert advice on connection activities: these operations are important, critical even, for network integrity and development. Our mission is to ensure they can take place safely while selecting the most appropriate technique that will mean the lowest methane emissions into the atmosphere. We also provide resources to ensure continuity of gas transmission in the network and to recover gas from sections affected by works to re-compress it and reinject it into the next section.

Which project stands out for you from 2023?

The “green maintenance” study. Thanks to the progress made on this project, which involves multiple departments, we have been able to define the material and human resources needed to reduce our emissions, such as acquiring mobile compressors to capture our methane emissions even more effectively.

Apart from the projects and initiatives you work on, what motivates you in your everyday work?

The ability to interact with different people and to stay rooted in practicality. I travel very regularly to project sites, which keeps me in close contact with reality on the ground and enables me to gather feedback and update our operating methods.

Connecting our energy and our stakeholders to contribute to carbon neutrality

REDUCING OUR EMISSIONS IN OUR MANAGEABLE SCOPES

In 2023, GRTgaz achieved its target for reducing CO₂ emissions within its manageable scopes, i.e. a drop of 22.4% relative to 2019.

Emissions linked to compression energy fell by 8% in 2023 compared with 2022, partly due to the drop in Norwegian gas imports (-20% after a peak in 2022), which required less gas compression. Since the Russian crisis, maximising transmission capacity between the French and Spanish terminals and deliveries to the Swiss, Italian, Belgian and German networks has required heavy use of the compressor stations at the core of the network, which run primarily on electricity. As a result, global consumption of primary energy (gas + electricity) rose slightly (2.6%) compared with 2022.

The reduction in gas consumption in France, resulting partly from the return to normal in the availability of nuclear and hydroelectric power plants, maximised capacity for gas exports.

With a 28% drop relative to 2019, GRTgaz continues to make significant progress on the carbon budget defined for the 2019-2024 period.

Methane emissions continue to fall and reached the target of 7.9 Mm³ emitted in 2023 (compared with 9.5 in 2022). The results for gas saved during scheduled maintenance remain very high (98% of gas saved during works). This result is partly due to the use of technical solutions such as the Gas Booster and supplementary burning. The company is also maintaining its continuous efforts to locate and repair diffuse leaks. However, there was one incident that led to an exceptional leak in February 2023, following a failure of gas confinement in a pipe. Replacements of equipment at compressor stations and network substations over several years are also reflected in 2023's lower methane emission results.

DID YOU KNOW?

On 15 November 2023, the European Union reached agreement on its very first law to restrict methane emissions in the energy sector. If approved at European level, the text will impose an obligation on fossil fuel importers to detect and repair leaks from 2030 on the basis of strict regulatory thresholds, with an initial obligation to report reliable data from 2027. Within GRTgaz, projects are in progress to prepare for these regulatory changes.

COOPERATING WITH OUR SUPPLIERS TO DECARBONISE OUR PROCUREMENT

To reduce emissions related to procurement (30% of the emissions in manageable scope 3), GRTgaz has been working with its top 20 highest-emissions suppliers (works, maintenance and operations, suppliers of equipment such as pipes, compressors, etc.) to identify the areas where they emit the most carbon. To keep its measurements of greenhouse gas emissions associated with procurement as accurate as possible, GRTgaz is working to move gradually away from emissions calculations based on monetary ratios (i.e. estimating quantities of greenhouse gas from invoices or other monetary amounts) to calculations based on actual physical emissions from procurement. The goal is to work with these suppliers to build action plans for 2024 in order to reduce their emissions. Carbon is a criterion that is now always incorporated into calls for tender.

REDUCING EMISSIONS LINKED TO OUR WAYS OF WORKING²⁵

Alongside reductions in the carbon footprint of our industrial activities, we are also working to reduce emissions associated with our ways of working, which consist primarily of the energy consumption of our buildings and emissions from travel.

PARTICIPATION IN INTERNATIONAL INITIATIVES

GRTgaz is involved in many international initiatives in the context of its commitments to reducing methane emissions and the associated reporting.



Close-up

THE ROSEAU COLLECTIVE

Since 2022, awareness and thinking about environmental issues at GRTgaz have been reinforced thanks to the initiative of Roseau, a collective of employee volunteers. By mobilising staff, Roseau has helped to improve the company's practices in terms of the environment. Thanks to their energy, several awareness-raising programmes have been put in place, such as 2tonnes, Climate Fresk and biodiversity workshops, together with presentations on planetary limits and biodiversity issues to mark ESDW (European Sustainable Development Week). As of the end of 2023, 40% of the company's staff had taken at least one of the three awareness courses: Climate Fresk, Biodiversity Collage or 2 tonnes workshops.



Close-up

OGMP 2.0 (OIL AND GAS METHANE PARTNERSHIP)

OGMP 2.0 is a mechanism that delivers credibility for companies that manage their methane emissions responsibly. It also enables them to target attenuation measures and allocate capital effectively. GRTgaz also met the Gold Standard this year and showed progress in moving towards methane emissions estimates based on measurements. GRTgaz declared over 97% of its emissions from assets it operates at level 4/5 on the reporting maturity scale according to the OGMP. The company is currently evaluating various technologies and methodologies to reach level 5. Additional information is available in the IMEO annual report published on 1 December 2023. <https://wedocs.unep.org/20.500.11822/44129>



METHANE GUIDING PRINCIPLES

Methane Guiding Principles:

As a signatory of the Methane Guiding Principles, GRTgaz is committed to publishing its methane emissions results and encouraging other players in the natural gas value chain, from producers to end consumers, to sign up to these principles²⁴.

<https://methaneguidingprinciples.org>

24. The Methane Guiding Principles initiative unites its members around five main principles: continuously reduce methane emissions; advance strong performance across the gas supply chain; improve the accuracy of methane emissions data; advocate sound policies and regulations on methane emissions; and increase transparency.



25. For more information, see section 3.1. Energy sobriety in the gas sector in France and in our activities.

2.3

Our support for the development of renewable gas activities in our regions SNFP

Speeding up the energy transition by developing renewable and low-carbon gas (CSR Commitment 2) and co-building sustainable energy solutions with local players (Commitment 7).

COMMITMENTS

GRTgaz is strongly committed to achieving carbon neutrality by 2050 and is promoting the development of renewable and low-carbon gases, including hydrogen, and their exploitation through the gas

networks, as a replacement for natural gas. For several years now, GRTgaz has been developing its cooperation with technical operators and local authorities²⁶ to help sustainable energy solutions emerge.

POLICIES AND RESOURCES IMPLEMENTED TO REDUCE RISK

To accelerate the energy transition, two strategic areas have been developed by GRTgaz: adaptation of its industrial resources to maximise

the supply of renewable gases, and support for the development of renewable gas production activities. GRTgaz continued its communication campaign focused on renewable gases in 2023 to remind people that these gases offer an opportunity to improve the country's energy sovereignty, leaving dependence on imported fossil gas behind.

OUR RESULTS

KPI	REFERENCE	2024 TARGETS	2030 TARGETS	2022 RESULTS	2023 TARGETS	2023 RESULTS
Annual production capacity of renewable gases connected to the network in TWh per year	2020 figure: 4.1 TWh/year	12 TWh/year	60 TWh	9.034 TWh/year	11 TWh	11.790 TWh
Number of pilot projects and demonstrators to support concrete progress in the emergence of new gases in the regions (CAP24)	2021	3 new pilots		5	5	5
Percentage of decision-makers considering GRTgaz useful to the energy transition (survey conducted every other year)	2019 figure: 74%	≥ 77%		91%	> 90%	91% (based on the results of the 2021 survey. The next survey will take place in 2024)

26. Led by local authorities, but also including industrial companies, chambers of commerce, agricultural entities and training and research organisations.

With 11,790 TWh of annual renewable gas production capacity connected, the target set for 2023 was exceeded, confirming the sector's industrialisation and its capacity to meet the trajectory defined by France's multi-year energy plan. Projects in development took concrete shape during the year, with 647 anaerobic digestion units connected to French gas networks by the end of 2023. Meanwhile, other sectors (pyrogasification, hydrothermal gasification and methanation) continued to mature. France's renewable energy acceleration law, published in March 2023, opens up new prospects by extending the right to injection to all renewable or low-carbon gas projects²⁷. These gases now benefit from the same conditions of access to the networks as renewable gases from biomass, such as biomethane.

ANAEROBIC DIGESTION

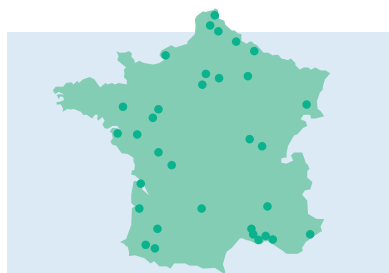
Biomethane capacity connected to French networks has almost tripled since 2020 (4 TWh at the end of 2020; 11,790 in 2023), and now represents around 3% of gas consumption in France (estimated at 397 TWh in 2023). While GRTgaz is proud of this positive momentum, the rate of growth will be slower in 2024-2025. Since 2021, the sector has suffered the combined effects of the pandemic, inflation and insufficiently attractive support mechanisms, leading to a drop in the number of new projects entering the capacity register²⁸ between 2021 and 2023. On average, it takes three years from a project being added to the register before effective biomethane production begins. In June 2023, the government took a number of steps to restart the growth of the anaerobic digestion sector. Purchase prices for biomethane generated by anaerobic digestion, which had not risen since 2020, were indexed to inflation, restoring an acceptable level

of profitability for biomethane producers. At the same time, the government's establishment of a trajectory for biomethane production certificates (CPB) will help to finance biomethane production by requiring gas suppliers to include a minimum level of renewable gas in their gas sales to residential and tertiary customers. Finally, a more ambitious national target for biomethane production should also be approved in the new PPE²⁹: 44 TWh by 2030. This new target would represent a doubling of the target in the previous plan.

PYROGASIFICATION

In 2022, GRTgaz underlined the success of the call for expressions of interest (CEI) in pyrogasification, launched by the strategic committee for the new energy systems industry (CSF) and managed by GRTgaz, which identified around 50 projects in France, including about 20 in the development phase. The CEI projects are currently awaiting the launch by the public authorities of an initial dedicated call for proposals to support the sector's emergence.

Five new pyrogasification projects were added to the capacity register, bringing the number of such projects listed to eight. GRTgaz also conducted initial studies for the connection of two projects to its network.



Pyrogasification for injection: momentum confirmed by a CSF CEI, which identified 49 projects

OUR ENERGY



by Clotilde Villermaux
Pyrogasification
project manager

My role at GRTgaz

I am responsible for supporting the development and industrialisation of pyrogasification for injection, a sector that has been identified as having great potential for decarbonising the gas mix in France and across Europe.

How do you contribute to the corporate project at your level?

I help to facilitate the integration of renewable and low-carbon gas into the networks by supporting project backers, assisting regions in identifying future projects and promoting the benefits and expectations of the pyrogasification sector to public authorities. This is fully aligned with GRTgaz's strategy for the energy transition.

What kept you particularly busy this year?

This year, the launch of a call for pyrogasification projects was announced, with public support for the production of the first industrial units. I worked on pitches to the authorities in the name of GRTgaz and the industry as the leader of an ATEE Club Pyrogazéification working group. Local production of renewable and low-carbon gas contributes to regional energy independence, but also to national solidarity thanks to the gas network. It's very intellectually stimulating to take part in the development of this innovative sector. This is a project that will still motivate us in 2024, because we don't yet know all the details of the call for projects that was announced.

27. The concept of "low-carbon gas" is used to describe gases whose inputs are not pure biomass (such as certain types of waste).

28. The capacity register is the database of project owners' production capacities.

29. Multi-year energy plan (Programmation Pluriannuelle de l'Énergie).

GAZÉIFI- CATION HYDRO- THERMALE

LIVRE BLANC



To find out more about the white paper and discover the interview with 2 co-authors Robert Muhlke - GRTgaz and Denis Musard - Cerema Ouest

Connecting our energy and our stakeholders to contribute to carbon neutrality



To access the dashboard of gas consumption in France for the period 2023-2024

HYDROTHERMAL GASIFICATION

The highlight of 2023 was the publication of the white paper drafted by the Hydrothermal Gasification Working Group (GT GH) with coordination by GRTgaz. It sets out strategic directions to create the conditions for the sector's development in economic, technical and environmental terms, while bringing together as many regional stakeholders as possible. In 2024, to extend its work to promote and support the sector, GRTgaz wishes to contribute to the launch of a CEI in hydrothermal gasification.

In addition, hydrothermal gasification is mentioned for the first time in French energy planning documents, including the French Strategy for Energy and the Climate, which was opened for consultation at the end of 2023.

RENEWABLE AND LOW-CARBON HYDROGEN

GRTgaz is also continuing with its commitment to developing renewable or low-carbon hydrogen transmission projects.

The three themes of GRTgaz's hydrogen development strategy are as follows:

- developing open-access hydrogen transmission networks in France's main industrial basins: these areas of high CO₂ emissions combine a significant need for decarbonisation with major energy demand and low-carbon hydrogen production capacity.
- gradually extending coverage across the country and reinforcing continuity of supply by connecting industrial basins together and linking production and consumption zones with hydrogen storage.
- working to develop European interconnectors by organising and managing cross-border initiatives and the H₂MED³⁰ European corridor project. The ultimate goal is to contribute to the creation of a single European hydrogen market that is competitive, safe and accessible.

COMPLEMENTARY ENERGY

Project: hydrothermal gasification white paper

Officially launched in March 2021 on the initiative of GRTgaz, the national Hydrothermal Gasification Working Group (GT GH) gathered around 50 economic players and professional bodies in early 2023, motivated by the common interests of the energy transition, decarbonisation and the circular economy in service of the regions. The GT GH published the very first white paper on the subject in 2023. Providing an initial overview of the technology's progress and the industry in Europe, the document highlights a technology that is still too little-known but performs very well as a means of processing and exploiting waste. Organic waste, mostly from biomass but also of fossil origin, can be used to produce renewable, low-carbon gas while recovering the inorganic components (nitrogen, minerals and metals) and water, which can be reused elsewhere. Hydrothermal gasification, which fits perfectly into an approach based on the circular economy, short-loop supply chains and decarbonisation, enables more global waste recovery than other technologies, as it minimises or even eliminates final waste and atmospheric pollutants. With this white paper, the aim is to publicise the potential of this technology to as wide an audience as possible, including industry, local authorities and political decision-makers, to encourage future support and R&D.

30. This project will be a vast hydrogen transmission corridor able to carry 10% of the 20 million tonnes of hydrogen specified in the REPowerEU targets for Europe by 2030. It will constitute one of the primary corridors for hydrogen imports via the Mediterranean, linking Portugal, Spain, France and ultimately North Africa to carry renewable hydrogen to consumer countries in central Europe.

H₂ PROJECTS**mosaHYc linking the Grand Est region of France with the German Saarland**

Project launch: March 2020

Goal: to develop the first European hydrogen network by converting gas pipelines between Moselle, Saarland and Luxembourg

No. of km: 90 km of hydrogen network (with 70 km of converted gas pipelines) between Völklingen, Perl (Saarland), Bouzonville and Carling (Moselle), in partnership with the German transmission operator CREOS De

Transmission capacity: 65,000 t/year of hydrogen

Commissioning: from 2027

Project stakeholders: the European economic interest group "Grande Region Hydrogen", including 12 industrial partners from across the hydrogen value chain. The MosaHYc project receives financial support from Ademe.

Main achievements in 2023 and next steps

Investment decision taken in December 2023

Extension of mosaHYc under discussion

Award of an Ademe technology building block grant

RHYn (Rhine HYdrogen Network), in the Mulhouse area

Project launch: 2021

Goal: to decarbonise energy uses (chemical industry, fertiliser production and transport – road, river, air) and boost the economic and industrial attractiveness of the regions

No. of km: 100 km of hydrogen network (including 60 km of converted pipelines)

Transmission capacity: 190,000 t/year of hydrogen

Commissioning: 2028/2029

Project stakeholders: producers and consumers in the area and the adjacent network operators Terranets, bnNETZE and IWB

Launch of the open season, which demonstrated the market's interest

Integration of the project into the ZIBaC submission from the Chalampé industrial zone

DHune at the port of Dunkirk

Project launch: January 2022

Goal: to decarbonise industrial energy use and boost the economic and industrial attractiveness of the region

No. of km: 25 km of hydrogen network

Transmission capacity: between 180,000 and 300,000 t/year

Commissioning: 2027

Project stakeholders: the Hauts-de-France region, the Dunkirk port authority, the Dunkirk urban district council, producers and consumers in the area

Feasibility study conducted, ZIBaC funding obtained

Basic engineering begins in early 2024

HYnframed in the Fos industrial zone and the surrounding area

Project launch: October 2021

Goal: to decarbonise energy use (steel industry, petrochemicals and refining) and boost the economic and industrial attractiveness of the regions

No. of km: 150 km of hydrogen network

Transmission capacity: between 200,000 and 300,000 t/year of hydrogen

Commissioning: 2028

Project stakeholders: Regional industrial and institutional ecosystem. The feasibility study was carried out with financial support from Ademe. The basic engineering studies have begun, co-funded by the producers and consumers with the most mature projects, Ademe (SYRIUS programme) and the region

Funding from ZIBaC and the regional authority

Launch of the basic study at end of 2024

Projects with European recognition as Projects of Common Interest.

The mosaHYc, DHune and RHYn projects, built ground-upwards from the needs of local ecosystems, but all with a European dimension in their future development, have been selected by the European Commission to receive the Project of Common Interest label in 2024. The Projects of Common Interest (PCI) label recognises their role in achieving the European Union's climate goals.

**Close-up****GRTgaz's REPUTATION FOR THE ENERGY TRANSITION**

To assess awareness of the image of GRTgaz and gas fuel in general, GRTgaz conducted its latest survey in 2021. Of the decision-makers questioned, 91% believed the company is useful to the energy transition, up from 74% in 2019.

The next survey will be conducted in the first half of 2024.

In 2023, GRTgaz deployed a brand campaign on social media focusing on the company's new direction in decarbonising the French energy system through the development of renewable gas, low-carbon hydrogen and CO₂ capture in the industrial, residential and mobility sectors. This communication complements GRTgaz's television advertising campaign on France's gas independence enabled by the third gas revolution. With these communications exercises, the company aims to publicise the potential of renewable gas and the brand's commitment to French energy independence, consolidating its strong public service image.

2.4

Support for our customers in decarbonising their energy SNFP

Connecting our energy and our stakeholders to contribute to carbon neutrality

OUR COMMITMENTS

2024 target

• 20 partnerships with customers on decarbonisation



To accelerate the transition of the French energy system with renewable gases and hydrogen, GRTgaz has placed itself in a position to support its customers and work with them to create low-carbon gas solutions in industry based on tried and tested methods.

POLICIES AND RESOURCES IMPLEMENTED

To support its customers in their own decarbonisation challenges and projects culminating in 2024, GRTgaz has defined a roadmap that can be broken down into three areas:

- having a regulatory framework that promotes the decarbonisation of energy use via gas (renewable gas, carbon capture and storage, hydrogen, etc.),

- adapting GRTgaz's business approach and offer to incorporate decarbonisation,
- and relying on specifiers (associations, suppliers, design offices, consultants) to promote gas solutions.

OUR RESULTS

KPI	REFERENCE	2024 TARGET	2030 TARGET	2021 RESULTS	2022 RESULTS	2023 TARGET	2023 RESULTS
Number of partnerships with our customers (in industry and mobility) related to decarbonisation	-	20		5	5 (10 in total)	5 (15 in total)	5 (15 in total)

COMPLEMENTARY ENERGY

Project: ChOC demonstrator

Launched in 2023, this project includes a low-carbon boiler to avoid 90% of CO₂ emissions and respond to strict industrial decarbonisation requirements. Gathering together no fewer than 16 partners – energy providers such as GRTgaz but also equipment manufacturers,

scientists and manufacturers – the ChOC project commissioned by Ademe has received support from former prime minister Élisabeth Borne, for whom the demonstrator fits “perfectly with the emissions reductions targets established by France 2030 and the national strategy to accelerate industrial decarbonisation set out in the national low-carbon strategy”. At the heart of this innovation,

the principle of oxycombustion replaces air with oxygen in combustion. Combined with the CO₂ capture and liquefaction system, this boiler could reduce the direct CO₂ emissions of industrial boiler rooms generating steam and hot water. The technology could thus prove extremely effective in sectors such as paper and board, chemicals or agri-food.

2023 was marked by ever-growing expectations from customers in terms of decarbonisation, strengthened further by the energy crisis associated with geopolitical conflict, the rising costs of energy and stricter energy requirements for industry players relating to the energy transition³¹.

Five new partnerships³² were launched and placed on a concrete footing this year through calls for proposals, including three linked to ZIBaCs³³ (low-carbon industrial zones) in which GRTgaz is deeply involved:

- the launch of the ChOC³⁴ demonstrator, the low-carbon boiler for decarbonising industries using steam and hot water,
- the creation of a guide to the *Biomethane Purchase Agreement* (BPA) mechanism in partnership with Osiris,
- creating a seven-member association³⁵, COB 30, offering industrial companies in the Chalampé industrial zone in Haut-Rhin a

framework for working together on a decarbonisation trajectory,

- launching a study on the capture, transport and storage of CO₂ in the industrial emissions from the industrial port zone of Fos via the SYRIUS programme,
- conducting studies on the decarbonisation of the Dunkirk industrial port platform

GRTgaz also continued to keep its customers informed throughout the year about industrial decarbonisation issues via six webinars, available for customers to watch on the GRTgaz website.

GRTgaz IS AMONG THE PARTNERS OF THE “JE DÉCARBONE” PLATFORM LAUNCHED IN OCTOBER 2022

The “Je décarbone” (“I decarbonise”) platform has two goals: supporting and facilitating the decarbonisation of French industrial sectors, while putting them in contact with companies keen to decarbonise their activities. By the end of 2023, the platform had registered 3,300 companies and 700 French technological solutions and was enabling both virtual and physical encounters between companies, the most recent attracting almost 400 people to the Bercy arena in Paris. Ultimately, this support will enable French industrial champions of decarbonisation to emerge.

31. The national low-carbon strategy sets an initial 35% target for greenhouse gas emission reductions in industry by 2030.

32. One project is not mentioned due to its confidentiality.

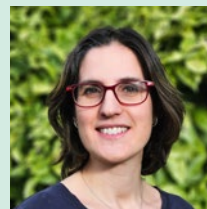
33. Sponsored by ADEME, the goal is for the French state to support industrial areas in their ecological and energy transformation to boost their competitiveness and attractiveness and support the economic recovery.

34. For more information on this project, see <https://www.grtgaz.com/medias/communiqués-de-presse/lancement-du-demonstrateur-choc>.

35. Alsachimie, Borealis, Butachimie, B+T, Linde France, GRTgaz and Mulhouse Alsace Agglomération (m2A).

36. To view the guide: Biomethane Purchase Agreements (BPA) decoded for industrial gas consumers | grtgaz.com – <https://www.grtgaz.com/>

OUR ENERGY



by Élodie Bourdis Magne
Key account and marketing manager

My role at GRTgaz

I am responsible for supporting GRTgaz customers who generate electricity and analysing the marketing of this sector. I also take care of consumer market data for the marketing and strategic customers unit. Before taking up this commercial role, I spent ten years in engineering. As I'm passionate about the energy field, it was a great opportunity to make the switch and gain a comprehensive view of the activity within GRTgaz.

Which project made a particular impression this year?

In the context of marketing analysis, I worked a lot on the collection, processing and supply of data to help understand and visualise our customers' behaviour, from consumption to capacity subscription. This approach, which I have shared with my team, enables us to support our customers better with decarbonisation solutions tailored to the ways they work. The initiative is now being deployed at GRTgaz on a larger scale than the electricity generation sector.

What have you gained from this?

I have enjoyed building a system that initially met my own needs and realising that it could be useful to others who wanted to access the data and visualise it differently. I am proud of having initiated this approach, and I particularly appreciated the freedom to develop the initiative myself.

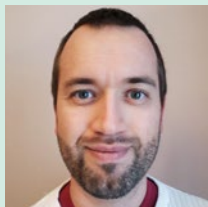


Close-up

BIOMETHANE PURCHASE AGREEMENTS (BPA): THE GUIDE³⁶ THAT EXPLAINS EVERYTHING!

Very widely used in the field of electricity, Power Purchase Agreements (PPA) are also likely to develop for biogas. Different from the traditional mechanism of guarantees of origin, the BPA is a private contract enabling a company to buy all or part of the production of a renewable energy producer, in this case an anaerobic digester for biomethane. To promote the widespread adoption of the mechanism, GRTgaz partnered with the Osiris economic interest grouping to offer a complete guide ten or so pages long, setting out the basic principles of biomethane and explaining the different forms of BPAs and how they are applied.

OUR ENERGY



by Thomas
Le Grand
Strategic
project
officer

My role at GRTgaz

I work in the general secretariat's strategy unit on the subject of CO₂ networks. My role is fairly wide-ranging: I work on the likely future of our sector and try to project it on to the strategy and orientations of GRTgaz. I am responsible for finding solutions to integrate and develop CO₂ networks in synergy with the existing GRTgaz network, among other things.

What does working at GRTgaz mean to you?

Behind our work is the concept of usefulness for everyone. We fulfil a public service mission for methane, and what I see at my own level is that we could do the same thing for hydrogen or CO₂. This is the role I play by working at GRTgaz.

What achievements do you remember from 2023?

The highlight of the year was our response to the government's CCUS (Carbon Capture, Utilisation and Storage) consultation, designed to be incorporated into environmental planning. To put this response together, converging work was initiated between the strategy and development units and the engineering department, combining the long-term technical, strategic, operational and forward planning aspects. I am particularly happy to have been able to contribute to this thinking, which projects GRTgaz into the acceleration of the energy transition.

Connecting our energy and our stakeholders to contribute to carbon neutrality

2.5 Capturing and transporting CO₂ to accelerate industrial decarbonisation

Capturing, storing and reusing CO₂ are decarbonisation solutions that complement energy efficiency savings and the development of renewable, low-carbon energy sources such as biomethane or hydrogen. The IEA considers these solutions vital in order to meet international energy and climate targets.

In June 2023, the government presented the French strategy for capturing "fatal" CO₂ and storing it geologically or reusing it (CCUS). The government sees this technology as necessary alongside energy efficiency, the development of hydrogen, electrification and the use of biomass if industrial decarbonisation targets are to be achieved.

The CCUS³⁷ strategy is designed to build a whole logistical chain, from industrial sites capturing the CO₂ emitted from their activities to sites where it can be stored underground or reused in an industrial process (e.g. e-fuel production). In November 2023, a review of the ecological transition contracts signed by the state and industry shows that, by 2030, CCUS will constitute the most important technological lever, alongside hydrogen and biomass, for reducing industrial CO₂ emissions. CCUS is one of the levers described by France's multi-year energy plan³⁸ in 2023, which sets a target of 5 to 8 Gt of CO₂ captured every year from 2050.

GRTgaz is working to deploy this solution in France by building dedicated transport networks to receive and carry CO₂ from the capture location to the storage or reuse location. In this way, GRTgaz is helping to facilitate the limitation of future carbon emissions from industry (Pillar B of our climate strategy) and ultimately, in the case of biogenic CO₂ transport, from anaerobic digestion processes for example, contributing to the creation of carbon sinks (Pillar C).

GRTgaz is already active in the main CO₂-emitting areas, with initial CO₂ transport network projects under development in Dunkirk, where a call for expressions of interest was launched in February 2023 followed by a feasibility study at the end of 2023, in Nantes/Saint-Nazaire (GOCO₂ project) and in Fos-sur-Mer.



To find out more about GRTgaz's first call for expressions of interest in CO₂

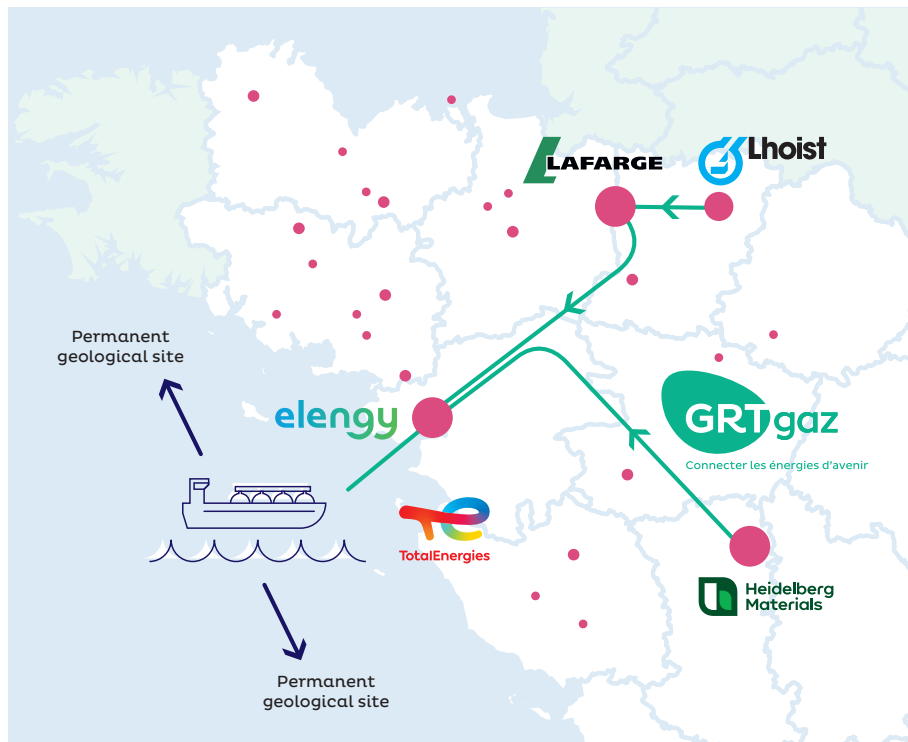
37. CCUS stands for Carbon Capture, Utilisation and Storage.

38. PPE (Programmation Pluriannuelle de l'Énergie - multi-year energy plan).



Close-up

LAUNCH OF GOCO₂, A LARGE-SCALE PROJECT TO CAPTURE AND TRANSPORT CO₂ OF INDUSTRIAL ORIGIN IN PAYS DE LA LOIRE AND GRAND OUEST



Over 75%
of industrial emissions of CO₂ in France's Grand Ouest region transported by 2050

Project launch: 2023

Commissioning: 2030

Goal:

Developing CO₂ capture at industrial sites and transporting it through pipelines to the maritime export terminal at Montoir-de-Bretagne for transfer to permanent geological storage locations.

Transmission capacity:

2.6 million tonnes of CO₂e per year by 2030 (4 million tonnes of CO₂e per year by 2050, more than 75% of the predicted industrial emissions from France's Grand Ouest region).

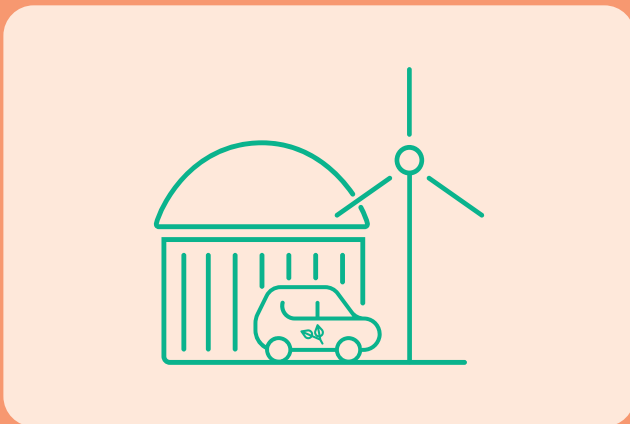
Ultimately, it will be able to carry CO₂ emissions from other industries in Grand Ouest, or biogenic CO₂ arising from the treatment of biomethane. It will also constitute an asset that will attract new industrial sites to the region by offering access to decarbonisation infrastructure open on a wide scale (accessible to industries in four regions: Nouvelle-Aquitaine, Pays de la Loire, Bretagne, Centre-Val de Loire).

Project stakeholders:

Elengy, GRTgaz, Heidelberg Materials, Lafarge, Lhoist and TotalEnergies,

Région des Pays de la Loire, Grand Port Maritime de Nantes Saint-Nazaire.

Certain studies linked to the GoCO₂ project will be funded by ADEME through the ZIBaC project backed by the Saint-Nazaire industrial zone. The project, part of a wider consortium (Aramis project), has also been selected by the European Commission for the sixth Projects of Common Interest list.





3.

Gathering our forces to protect the environment and adapt to future challenges



The Drivers of GRTgaz

INNOVATION

At GRTgaz, innovation takes place at every level and feeds into all the company's roles and practices. Research and development, experimentation... innovation is an integral part of our shared culture, particularly when it comes to reducing the environmental impact of gas activities.

3.1

Our environmental strategy

In 2023, GRTgaz appointed an Environment Director, reporting directly to the Chief Executive, who formalised a new environmental policy. This policy identifies the environmental impacts of all the company's activities, including the impacts associated with the infrastructure it operates, from project design to service and end of life. Work is in progress

to apply this policy through prioritised actions in the form of roadmaps for each Division. This prioritisation is based on an update to GRTgaz's environmental risk mapping.

The policy ensures improved comprehensiveness in relation to the CSR policy, and takes the form of three inter-related themes and 12 environmental commitments:

<p>CIRCULAR ECONOMY Goal: developing a culture of energy sobriety and efficiency</p>	<p>AIR AND CLIMATE Goal: contributing to the fight against climate change and preserving air quality</p>	<p>BIODIVERSITY AND SOIL USE Goal: incorporating biodiversity by applying the Avoid, Reduce and Compensate approach</p>
<p>Commitment 1: Familiarise all employees with environmental issues, energy sobriety and environmental efficiency</p>	<p>Commitment 5: Monitor regulatory and technological developments relating to air quality</p>	<p>Commitment 10: Eco-design activities and projects and take Biodiversity criteria into account</p>
<p>Commitment 2: Contribute to the regional development of sectors that reuse waste to produce renewable gas</p>	<p>Commitment 6: Eco-design activities and projects and take Climate criteria into account</p>	<p>Commitment 11: Develop ecological reserves</p>
<p>Commitment 3: Develop and promote solutions for connecting renewable gas production to the networks</p>	<p>Commitment 7: Develop and promote solutions for transporting low-carbon hydrogen</p>	<p>Commitment 12: Improve knowledge</p>
<p>Commitment 4: Avoid and manage our waste</p>	<p>Commitment 8: Contribute to the development of carbon sinks</p>	
	<p>Commitment 9: Identify new risks associated with climate change</p>	



Close-up

ECO-DESIGNING BIOMETHANE PROJECTS

Carbon impact

In 2023, a life cycle analysis was conducted on the injection stations to measure their carbon footprint. Eighty percent of the station's carbon footprint comes from their use, including methane emissions. A similar process is in progress for the reverse flow installations. Based on this information, new technical platforms will make it possible to reduce the greenhouse gas emissions throughout the life cycle of these facilities.

Biodiversity impact

Accounting for the impact on soil (additional artificial ground cover, habitat fragmentation, etc.) and biodiversity of biomethane projects is another subject of research. The environmental footprint of reverse flow stations, for example, is taken into account at the design stage, limiting artificial ground cover as far as possible and encouraging the planting of vegetation at the sites. Projects to revive unused land by selling it back to farmers or planting hedges are currently being considered.



3.2

Energy sobriety in the gas sector in France and in our activities

GRTgaz has placed energy sobriety at the heart of its environmental policy, enshrining it in the structure of the company's strategy and the implementation of its activities (saving resources, circular economy,

eco-design of installations, green maintenance, etc.). In 2023, GRTgaz focused its efforts on energy sobriety in its own operations and those of its customers.



Close-up

ECOGAZ: A FIVE-DAY BAROMETER OF THE GAS NETWORK FOR RESPONSIBLE CONSUMPTION

GRTgaz continued its commitment to energy sobriety in 2023 by renewing the Ecogaz programme for a second year, including the 2023-2024 winter period.

The Ecogaz Charter

The goal of this charter is to constitute a circle of committed partners who contribute to managing gas consumption and sharing green initiatives, acting as essential relays to communicate alerts when the network is under heavy stress.

By the end of 2023, 116 partners in six broad categories had signed the charter: businesses, housing bodies, local and regional authorities, federations and associations, the media, and energy suppliers.

Review of the first year of the Ecogaz programme (winter 2022-2023):

a success





- 2.4 million downloads per day during the winter of 2022-2023
- No stress alerts over the winter in the network
- 24 stress situations avoided

Ecogaz is now recognised as an essential tool in the movement towards gas energy sobriety. The report "Accelerating and sustaining energy sobriety in tertiary buildings", published by Ademe and pilot organisations in the building sector, recommends that companies register with the alert system and sign the Ecogaz Charter.

New in December 2023: four new sobriety sheets

Four sheets providing additional advice on energy sobriety for different building categories: detached house, private collective housing, social housing and small tertiary³⁹.

Ecogaz provides daily information about the level of tension in the gas system with a colour code:

-  Consumption level normal or below normal
-  Consumption level slightly higher than normal
-  Consumption level well above normal and/or tension in the network
-  Launch of interruptibility provisions or load shedding for major industrial consumers

If the signal is orange or red, Ecogaz will send an alert to consumers who have chosen to sign up (via email or SMS) to warn them and encourage them to reduce their consumption.

Ecogaz participants



39. You can find these four sobriety sheets directly at the Ecogaz website: <https://myecogaz.com/>

ENERGY SOBRIETY AT GRTgaz

In 2022, in the context of the energy crisis accelerated by the conflict between Russia and Ukraine, GRTgaz launched its Energy Sobriety Plan with the aim of achieving a 10% reduction in energy consumption relative to 2019. This figure is in line with government targets and with the EcoWatt Charter on electricity consumption, which GRTgaz has signed.

Energy sobriety at GRTgaz has three aspects spread across two types of actions:

	RECURRING ACTIONS	URGENT ACTIONS
Tertiary consumption (buildings, fleet and travel)	<ul style="list-style-type: none"> ■ Defining temperature thresholds for heating (19°C in winter) and air conditioning (26°C in summer) ■ Limiting lighting and hot water production 	<p>In the event of an EcoWatt orange or red alert</p> <ul style="list-style-type: none"> ■ Postponing consumption, limiting working areas to the spaces that are occupied, working from home, switching off all unused equipment etc.
Industrial consumption	<ul style="list-style-type: none"> ■ Energy Performance Plan and continuous improvement in the context of ISO 50001 certification ■ Actions targeted at compressor machinery 	<ul style="list-style-type: none"> ■ Limiting the use of electric compression in winter (to the extent allowed by our public service missions)
Employee engagement	<ul style="list-style-type: none"> ■ Online surveys, soGaz articles, webinars, employee associations 	<ul style="list-style-type: none"> ■ Communicating orange and red alerts internally and reminding about eco-friendly practices

The results from this first year of EcoWatt's application are very encouraging. Energy consumption for heating fell by an average of 14% between 2022 and 2023 at GRTgaz's main sites. Work has been undertaken to improve data collection on energy consumption in order to refine measurements and manage the actions taken more closely.



2024-2030 TARGETS

- 2024: 55% of sites converted to the use of alternatives to pesticides
- 2030: 100%

3.3

Limiting our impact on biodiversity

SNFP

OUR COMMITMENTS



A signatory of the “Companies committed to nature” project piloted by the French office for biodiversity, GRTgaz has created a map of pressures⁴⁰ placed on biodiversity by its activities and its dependence on biodiversity.

GRTgaz’s biodiversity strategy can be broken down into three CSR commitments:

- **“Reduce GRTgaz’s carbon footprint”⁴¹**
- **“Speed up the energy transition by developing green gases”⁴² and**
- **“Protect the environment (excluding carbon) and biodiversity from the impacts of our activities”**, the commitment covered in this section.



A member of B4B+ (Business for Positive Biodiversity), the club of companies for positive biodiversity, GRTgaz contributes to thinking about the measurement of impacts and reporting relating to biodiversity, trialling the Global Biodiversity Score⁴³.



For several years, GRTgaz has been working in partnership with the Federation of Regional Natural Parks in France and locally with regional natural parks to identify and test new approaches to preserving and maintaining ecosystems linked to the company’s land footprint.



A member of the Linear Infrastructure and Biodiversity Club, GRTgaz continues to support knowledge of ecological and infrastructure issues, while co-funding research in this area.



GRTgaz is a member of OREE, an association that brings together a network of stakeholders committed to discussing and creating environmental momentum to serve the regions.

40. According to the five pressures identified by IPBES (Intergovernmental Science–Policy Platform on Biodiversity and Ecosystem Services): change in land use, overexploitation of resources, climate change, pollution and invasive exotic species.

41. For more details on this commitment, see section 3.2.1 Reducing our emissions.

42. For more details on this commitment, see section 3.2.2 Reducing emissions in the value chain of the gas industry, our customers and our regions.

43. This is a business biodiversity footprint assessment tool developed by CDC biodiversité for the B4B+ club.



POLICIES AND RESOURCES IMPLEMENTED

GRTgaz aims to reconcile the land occupancy of its pipeline network, of which approximately 6,000 kilometres are located in protected natural areas, by ensuring the preservation and maintenance of ecosystems. The company uses differentiated management for part of its easement strips⁴⁴, maintained without the use of pesticides, and is eliminating the use of pesticides for the maintenance of its industrial sites.

For all projects involving the construction or modification of a structure, GRTgaz follows the “Avoid, Reduce, Compensate” approach,

applying avoidance measures to the extent possible and systematically applying reduction and compensation measures.

GRTgaz is continuing its commitment to environmental conservation with its voluntary initiatives related to management of waste from its industrial and tertiary sector activities.

Outside its own activities, GRTgaz also supports the development of biodiversity-friendly anaerobic digestion, including the use of agroecology practices for inputs and paying attention to how the digestate is used.

OUR RESULTS

KPI	REFERENCE	2024 TARGETS	2030 TARGETS	2021 RESULTS	2022 RESULTS	2023 TARGETS	2023 RESULTS
% of sites converted to 0 pesticides	29% of sites converted by the end of 2020	55% of sites converted	100%	54% of sites converted to use alternative techniques without pesticides (13 sites are experimenting with revegetation)	69.5%	> 70%	82%
Percentage of waste recovered		> 90%	> 90%	98.5%	99.02%	> 90%	97.9%
Share of active projects affected by legal action	0	NS	NS	0	0	0	2

44. Strips of grassland above pipelines.



Close-up

**STUDY IN PARTNERSHIP WITH
CEREMA GRAND OUEST**



In 2023, GRTgaz expanded its partnership with Cerema to include subjects relating to biodiversity, such as a study of best biodiversity practice in maintaining land subject to easements in Vendée. The results of this study will feed into the GRTgaz call for bids to be launched in 2024 to revise the national framework agreement on the maintenance of land under easement.

Gathering our forces to protect the environment and adapt to future challenges

In 2023, the progress made on 2024's targets was strengthened, with 82% of GRTgaz's industrial sites now maintained without the use of synthetic pesticides (69.5% in 2022), over 59% of sites using no pesticides at all (47% in 2022) and over 22% of sites using biocontrol products⁴⁵. The maturity of our teams and service providers continues to grow, and these results build on the framework contract put in place in 2022 for site maintenance, under which the majority of our service providers do not use any synthetic pesticides. GRTgaz is now considering how to eliminate the use of synthetic pesticides completely in the short term, and withdraw all chemical products (including biocontrol) by 2030.

Actions have also been taken to improve biodiversity preservation on land subject to easements, including circulating a guidance note defining maintenance rules with a low impact on biodiversity. For example, these rules specify a more environmentally friendly mowing height and exclude sensitive periods for operations on hedges and trees, particularly in sensitive areas such as protected or recognised natural spaces.

In terms of biodiversity footprint, GRTgaz is continuing its work to implement the Global Biodiversity Score (GBS). A project was launched in 2023 to collect all the data needed to calculate the GBS, and a first measurement will be available in 2024. A strategy for managing and reducing our biodiversity impact will also be developed. GRTgaz will be the first linear transport infrastructure company to conduct this exercise, which will be a structural element of its strategy and its measurement of future progress.

WASTE

The rate of waste recovery amounted to 97.9%⁴⁶ in 2023, including 97.2% of non-hazardous waste (which represents 98.6% of the total mass of waste) and 52.8% of hazardous waste (which represents 1.4% of the total mass of waste). A working group dedicated to site waste was set up in 2023 to ensure better reporting of real data on quantities of site waste managed by works contractors in the GRTgaz waste collection tool.

APPEALS

In response to the gas supply crisis, GRTgaz took part in the project to connect a new LNG import point on the French coast at the port of Le Havre, linking to a floating regasification unit or FSRU so that the installation is reversible. The unit entered service in November 2023 for a period of five years. Two actions for annulment and one interim application were submitted by France Nature Environnement Normandie, local residents and the association Europe Écologie – Les Verts Normandie against the granting of permission to build and operate the GRTgaz pipeline. These applications were rejected by the Rouen administrative court on 6 July 2023, and no appeals were lodged.

In addition, a local resident filed a case in summer 2023 to annul the declaration of public utility granted to the project to build a pipeline (stretching approximately 13 km between Lens and Béthune) as part of the national project to convert L gas to H gas. This work is now complete and the pipeline is in operation. The judgement is unlikely to come before the end of 2024.

45. These are defined in Article L. 253-6 of the rural and marine fisheries code as agents and products using natural mechanisms in an integrated pest management approach.

46. For the calculation, see appendix 7.1. Methodology appendix.

3.4

Adapting to the challenges of climate change

Impact of physical risks

Risks resulting from damage caused directly or indirectly by weather and climate phenomena

- Damage and leaks in GRTgaz infrastructure
- Inaccessibility of auxiliary installations (compressor stations, interconnections, etc.)

Between 2022 and 2023, GRTgaz conducted several studies of the risks associated with climate change (physical risks) likely to affect its installations. Following an analysis of the scenarios proposed⁴⁷, one study concluded that, if a major weather event were to occur, the GRTgaz infrastructure (underground pipes and surface installations, including compressor stations) is resilient overall and that industrial security remains assured, together with continuity of supply.

In 2022, two scenarios had been identified by GRTgaz as the most

potentially harmful: flooding/intense rainfall at certain river crossings, and drought, giving rise to forest fires, for several of the company's compressor and interconnection stations. An action plan put in place in 2023 identified in more detail the installations likely to be affected and the long-term resources that could respond to this type of risk.

This year, GRTgaz teams analysed a third risk scenario relating to landslips, identifying the areas at risk in terms of GRTgaz pipelines and other assets. This work on the areas at risk will be continued and extended.

Actions taken in 2023

More detailed verification of exposure for the two most damaging scenarios

Flood action plans for the selected crossings (three-year RICE programme)

Analysis of sensitivity to earth movement for the selected sections

OUR ENERGY



by
Gilles Chatelet
Industrial
safety expert

My role at GRTgaz

As a technical project manager in the Engineering Expertise and Studies unit, I work more specifically on industrial safety issues. Globally, this involves evaluating and reducing when necessary the risks that the operation of our installations can cause for people living, working or moving around nearby. It also involves evaluating the risks that the human or natural environment can cause to our installations. I also represent GRTgaz on several bodies working on these themes at French or European level (such as GESIP and EIGI).

Working at GRTgaz means...

Sharing common goals, a strong technical culture and excellent capacity for collaboration.

What do you remember about 2023?

A study we conducted internally on the resilience of our installations to climate disruption. A new subject, and not immediately obvious. But collectively, with colleagues from R&D, data and operations, we were able to complete the study. This year we added landslips to the problems of forest fires and flooding addressed in 2022. And the result is generally positive. Apart from a few specific points (crossings beneath rivers, areas of soil instability) that still need to be checked, the study confirms that the network is globally resilient to climate events.

47. Analysis of the exposure of GRTgaz assets using data and scenarios from meteorological experts (including IPCC RCP scenario 8.5, involving heating of 4.5°C by 2100).



4 ● Investing for affordable, sustainable energy

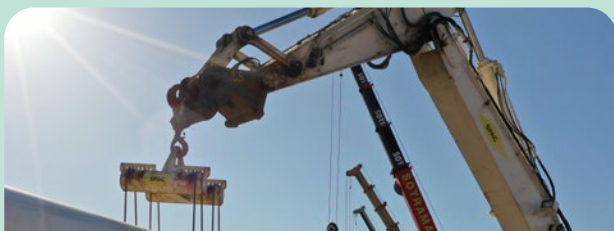




The Drivers of GRTgaz

PERFORMANCE

Simplifying the organisation, optimising costs, the safety of our installations and information systems, diversity and inclusion... the levers for financial and non-financial performance deployed in 2023 are more central to our actions than ever and guide our ambitions for the future.



**Investing
for affordable,
sustainable energy**

As a gas infrastructure operator serving the public interest, GRTgaz contributes to access to increasingly renewable energy while ensuring it remains affordable.

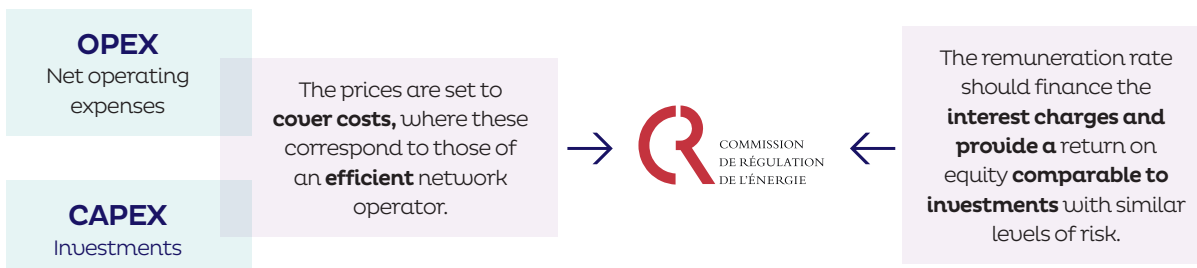
4.1

Our regulated financial model serving a sustainable economy

GRTgaz must ensure all its customers have fair access to diversified supply sources through a transmission network, at costs consistent with an efficient operator. GRTgaz's business activity is part of a regulated monopoly. The tariffs, set according to the authorised revenue, are defined after negotiation every four years as part of the ATRT (access by third parties to the transmission network) by the French Energy Regulatory Commission (CRE). The CRE monitors the economic efficiency of GRTgaz to ensure that consumers are getting the best service at a fair price.

A REGULATED BUSINESS MODEL

De facto monopoly > our prices are set by an independent administrative authority



While it continues to pursue its strategic objectives and observe the price trajectory of the ATRT7, GRTgaz's financial performance remained particularly robust in 2023, as did the company's balance sheet.

GRTgaz posted revenue of €2,112 million in 2023. This was up (by €33 million) on 2022 (€2,079 million). This slight rise is primarily due to price effects in the regional network and interconnections with European neighbours' networks. The additional revenue will have to be returned to the market in future financial years (via the CRCP mechanism).

Economic performance

in €M

	2022	2023
Revenue	2,079	2,112
Transmission income	1,973	2,007
Other income	106	105
EBITDA	1,198	1,055
Income from recurring operations	658	507
Net income	419	317
Investments	401	416
Net debt	3,643	3,627

Income from transmission was €2,007 million (compared to €1,973 million in 2022), representing 95% of total revenue. Regarding diversification, €10 million invested in the Eiffel Gaz Vert and Clean H₂ funds and €25 million in supplementary services were invoiced (€20 million in 2021) and account for 1% of total revenue. This income consists essentially of technical and R&D services.

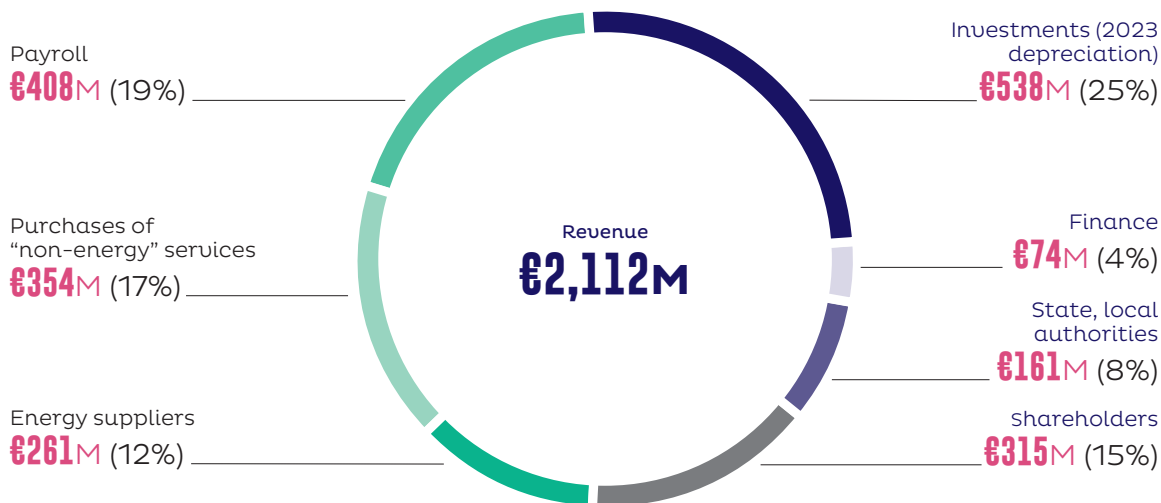
EBITDA for the 2023 financial year was €1,055 million (€1,198 million in 2022), down by €143 million on the previous year. This change is due to the increase in energy costs associated with the rise in gas and electricity prices in 2023.

The net profit after tax was €317 million (€419 million in 2022), down by €102 million on 2022. This change is due to the factors presented above and the increase in net operating costs caused by inflation and the price effect on staff costs.

Investment expenditure was €416 million in 2023, compared to €401 million the previous year. As explained in section 4.3.4, the share of investment spent on receiving renewable gas and on the decarbonisation of our infrastructure (activities eligible for the new EU Taxonomy) increased by 12% compared to 2022, to €76 million.

At the end of December 2023, GRTgaz's net debt was €3,627 million, compared to €3,643 million at the end of 2022.

DIVISION OF REVENUE BETWEEN STAKEHOLDERS



OUR COMMITMENTS

2024-2028 TARGETS

- 2024: **20%** decrease in injection and reverse flow facility costs
- 2028: reduction of **30%**
- **0.48** euro cents on average for access to the gas transmission network



4.2

For affordable, sustainable energy SNFP

GRTgaz is doing its part to ensure its customers have access to competitive and increasingly sustainable energy. With decreasing volumes transported and a drop in the associated revenue over time, GRTgaz is implementing performance-boosting measures to optimise its costs in an effort to reduce the cost of biomethane facilities, thus allowing producers to connect under optimum economic conditions.

POLICIES AND RESOURCES IMPLEMENTED TO REDUCE RISK

With the planned decrease in energy and, in turn, the decrease in revenue, GRTgaz must identify room for manoeuvre allowing it to invest in adaptation of the network and

connection of renewable gas. As part of this transformation, GRTgaz has undertaken a performance plan to be implemented until 2024.

The target set for 2023 was achieved. This was made possible by anticipating field research for reverse flow stations, pooling and anticipating orders, setting up a network of biomethane contacts and appointing a manager for biomethane facilities aiming to generate economies of scale and learning effects. Pooling purchases of compressor machinery alone reduced the total cost of a reverse flow project by 15 to 20%.

More generally, as part of regular dialogue with the CRE, GRTgaz is keeping to the trajectory provided for in the ATRT7, while maintaining the level of interconnectivity and

OUR RESULTS

KPI	REFERENCE	2024 TARGETS	2030 TARGETS	2022 RESULTS	2023 TARGETS	2023 RESULTS
Reduction in injection and reverse flow facility costs ⁴⁸ (CAP24)	2020	-20%	-30% by 2028	-12%	-12%	-16.8%
Average cost of access to the gas transmission network (euro cents per kWh/day/year)	2019: 0.45	0.48	Maintenance of acceptable capacity and costs, negotiated with the CRE	0.44 ⁴⁹	0.45	0.45

48. Reverse flow installations are technical solutions enabling injection capacity to be developed by compressing excess biomethane from a distribution network for the transmission network or any higher-pressure network so that it can be used or stored. The cost of the installation is calculated excluding the effects of French inflation.

49. Data corrected relative to the 2022 report.

performance of its network, ensuring the capacity of network users to optimise their gas sources. The average cost of access to the gas transmission network thus reached 0.45 in 2023 (euro cents per kWh/day/year), in line with the increased input (Le Havre FSRU) and output capacity

made available to enable gas flows to be adapted to the context created by the Ukraine crisis and the drop in supplies from Russia.



Close-up

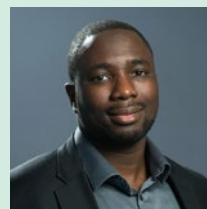
THE FUTURE ATRT8 TARIFF

The next tariff for access to the natural gas transmission network – known as ATRT8 – will apply from 1 April 2024 for a period of four years. This tariff, set by the French Energy Regulation Commission (CRE), is calculated to enable GRTgaz to cover its costs (net operating expenses and capital charges) to the extent that they correspond to the costs of an efficient network operator. In particular, the resources granted enable GRTgaz to contribute to the energy transition.

The selected costs include the additional resources allocated to GRTgaz to continue incorporating renewable and low-carbon gases into its networks in line with energy policy. The cost trajectory used by the CRE also aims to enable GRTgaz to adapt to longer-term changes, and includes resources for studying the possibility of converting certain identified assets for transporting hydrogen or carbon dioxide.

In accordance with its strategy for reducing its carbon and environmental footprint, GRTgaz is preparing to strengthen further its efforts to cut its greenhouse gas emissions in line with the planned changes to European regulations, for which the ATRT8 tariff includes a review clause so that their impact can be taken into account.

OUR ENERGY



by Mamadou Waggeh
Head of the Land Permit Department

My role at GRTgaz

I am the Head of the Land Permit Department. Before this role, I was a design engineer and then a project director. I've been working at GRTgaz for nearly 15 years now.

Which was the stand-out project that left an impression on your working year?

The year was marked by the completion of the biomethane task force, which I was in charge of deploying from the beginning. The goal was to commission a batch of anaerobic digestion units very quickly in response to a peak in demand. We set up a team of 10 multi-skilled colleagues. This was a first for GRTgaz, and the initiative is likely to be repeated for other contracts.

What were you most proud of?

The success of this initiative was obvious. In three years, we delivered no fewer than 30 biomethane projects. I was delighted to be able to try new things at my level and show that we can adapt to stressful situations and respond in our organisation and our approach, when contextual challenges require it.

2024-2028 TARGETS

- 2024: 20% of investment spending (Capex) dedicated to renewable gases and the carbon trajectory
- 2028: 30%



4.3

For sustainable growth SNFP

RICE: our programmes

- 1 Optimise the operation and safety of the gas system
- 2 Reduce the impacts of gas-related activities
- 3 Prepare networks for the arrival of renewable methane
- 4 Energy forecasting, network management and optimization
- 5 Prepare networks for the arrival of CO₂

In an overall context of accelerating transformation, GRTgaz needs to adapt its business model to respond to environmental, technological and societal challenges. GRTgaz's commitments relating to the development of renewable gas are reflected in its redeployment of resources for projects linked to the energy transition and environment. They rely on innovation in all business

activities and practices, employing experimentation, research and development. They are a testament to the transformation of the company's economic model, with a growing share of resources dedicated to building a model in the long term based on renewable gas, fully compatible with carbon neutrality, while preserving the value creation of the company over time.

POLICIES AND RESOURCES IMPLEMENTED TO REDUCE RISK

The GRTgaz 2023 investment programme covers three major themes: the industrial maintenance and security of its facilities, its climate and low-carbon trajectory (reduction of emissions and development of renewable gas) and customer needs (in particular connections and

third-party works). This programme is proposed and validated each year with the French Energy Regulatory Commission (CRE). When it comes to R&D, RICE (the Research and Innovation Centre for Energy), GRTgaz's integrated R&D centre, is responsible for guiding the transformation of energy infrastructure to a safe, efficient and carbon-neutral future. RICE works in five research areas.

OUR RESULTS

KPI	REFERENCE	2024 TARGET	2030 TARGET	2022 RESULTS	2023 TARGET	2023 RESULTS
Share (in %) of investment spending (Capex) dedicated to renewable gas and the carbon trajectory	11% in 2020	20% in 2024	ND	16.7%	17%	17.8% ⁵⁰

50. Industrial and financial investments made during the year within this scope / total investments (including financial) x 100. i.e. (76/426) x 100

The 2023 target was achieved thanks to several key elements. The momentum of biomethane's growth has continued, with 17 injection sites and eight reverse flow stations commissioned in 2023. Several programmes have continued their development, including H₂ programmes (mosaHYc, RHYn etc.), and the project to reduce the carbon footprint of tertiary buildings and other programmes has accelerated, such as the CH₄ emissions

reduction programme and the programme focusing on compressor units and stations. In addition, GRTgaz has increased its investments in the Clean H₂ Infra fund, managed by Hy24⁵¹, to accelerate the development of the low-carbon hydrogen industry.

TOTAL INVESTMENT: €416M

Network safety
€90M

Energy transition
€68M

Contributed in 2022
€160M

Cybersecurity
€2M

Network safety
€98M

Energy transition
€76M
including €10M of financial investments

Contributed in 2023
€180M

Cybersecurity
€6M



Close-up

RICE

The positioning of RICE at the crossroads between industry and the world of research makes it a key facilitator and player in operational and applied research into gas infrastructure. RICE focuses on three pillars to conduct its activity:

- **leading-edge technical resources and the only test beds of their kind in Europe,**
- **very high-level expertise to respond to specific customer needs,**
- **an ecosystem of European and international R&D&I partners.**

Its purpose: "To clear the path, remove technological bottlenecks and drive the transformation of energy infrastructure towards a safe, efficient and carbon-neutral future."

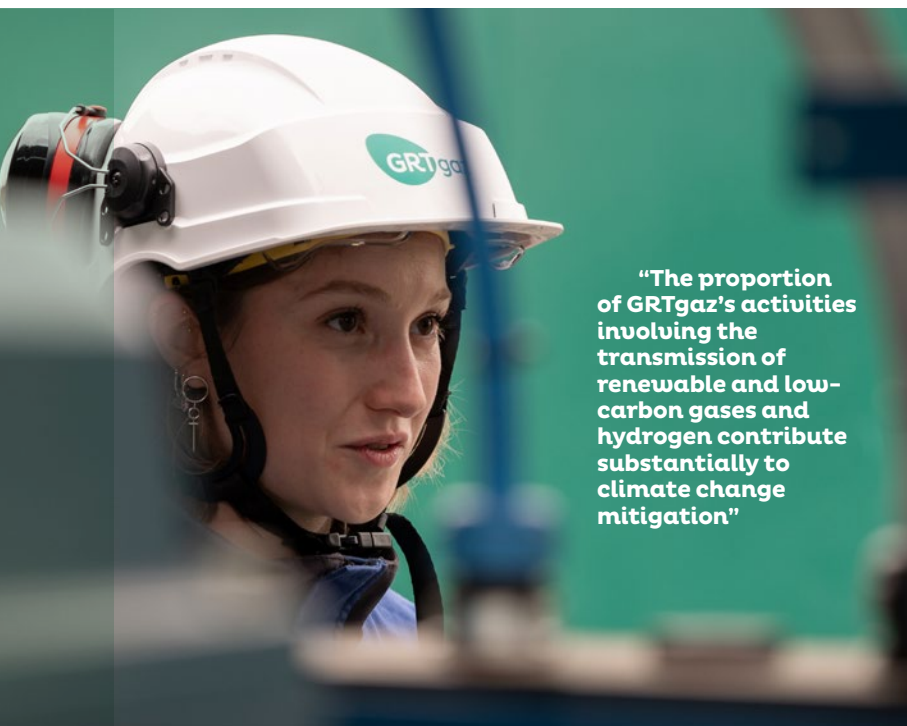
The creation of the NOVA incubator in 2023 enabled four start-ups working on renewable gas production (Alhomna System) or operational tools (Lium, Lynx XR, Ylssen) to be hosted and supported in their growth.

51. Hy24 is a management company dedicated to hydrogen deployment (Home - Hy24 - <https://www.hy24partners.com/>).

criteria for alignment. In this context, the proportion of GRTgaz’s activities involving the transmission of renewable and low-carbon gases and hydrogen contribute substantially to climate change mitigation (reduction of GHG emissions) while aiming to respect the criteria on the absence of negative impact (DNSH – Do No Significant Harm) for the other five environmental priorities and respecting the employment rules. Based on these factors, GRTgaz has defined calculation rules to account for this proportionality⁵².

It should be noted that, over time, given the transformation taking place in the sector with the development of renewable gases and hydrogen, the share of eligible and aligned activities will increase in proportion as renewable gas, low-carbon gas and hydrogen gradually take over from natural gas.

Finally, upstream and downstream of GRTgaz’s activities, eligible activities include renewable and low-carbon hydrogen and gas production, CO₂ capture, transport and storage, generation of electricity, heating or cooling using renewable and low-carbon hydrogen or gases and low-carbon fuelling infrastructure for mobility.



“The proportion of GRTgaz’s activities involving the transmission of renewable and low-carbon gases and hydrogen contribute substantially to climate change mitigation”



52. For more information, see the methodology appendix.





5.

Mobilising the energy of our teams in the service of safety and the continuity of our activities



The Drivers of GRTgaz

SAFETY

The safety of people, infrastructure and our information systems, a fundamental concern of GRTgaz, is deeply rooted in our collective culture. It constitutes a permanent and crucial objective. Every one of us is responsible for its implementation, management and prevention.

Mobilising the energy of our teams in the service of safety and the continuity of our activities

COMMITMENT 8

2024 targets

- Employee accident frequency rate ≤ 1.7 and for service providers **1.7**

5.1

The safety of our teams and our service providers SNFP

For GRTgaz, the safety of employees and contractors is a permanent and crucial objective.

POLICIES AND RESOURCES IMPLEMENTED TO REDUCE RISK

Health and safety policy is managed at the highest level of the company, by its chief executive. The results are reported monthly to the executive committee. Twice a month, the three office site managers⁵³, the

chief executive and the directors of industrial safety and occupational health and safety meet to review any incidents that have occurred and examine the figures. The company’s ambition in terms of health and safety is formalised in an action plan, “Our collective safety ambition”, which is reviewed every year and approved by the chief executive.

OUR RESULTS

KPI	REFERENCE	2024 TARGET	2021 RESULTS	2022 RESULTS	2023 TARGET	2023 RESULTS
Employee accident frequency rate	≤ 1.6 in 2020	≤ 1.7	2.5	1.4	1.8	0.8
Contractor accident frequency rate ⁵⁴	≤ 6 in 2020	≤ 7	9.4	3.3	6.7	2.7

The accident frequency results continued their downward trend in 2023, with a 0.8 frequency rate for employees (compared with 1.4 in 2022) and 2.7 for contractors (compared with 3.3 in 2022).

The strengthening of an organisation that encourages synergies between everyone involved in preventing occupational risks is central to this success. An occupational

accident prevention and security committee was set up this year, and prevention staff were allocated to the three GRTgaz office sites to provide a presence on the ground.

This collective approach enabled us to jointly construct targeted awareness campaigns, including a focus on the risks of travel, which remains the primary cause of accidents for GRTgaz. The event brought

53. The human resources director for the head office, the industrial assets director and the operations director.

54. Hours worked are declared by external contractors but not verified.



Close-up

THE 16th EDITION OF THE SAFETY AWARDS IN APRIL 2023

To embed accident prevention even more firmly in business culture, the OPPBTP⁵⁵, GRTgaz and Storengy⁵⁶ organise the Safety Awards every two years. This ceremony rewards service providers for their actions to promote accident prevention and health and safety at project sites. At the 16th edition on 6 April, eight companies out of 21 that took part were rewarded for their best practices.

The golden rules of safety



Authorisation/
permit/
approval



Mechanical
lifting



Protective
equipment



Excavation
work



Travel



Manual handling,
movements and
postures



Shutting off
power
sources

together over 50% of GRTgaz's employees at 16 sites. The Safety Day was also held again this year, addressing subjects relating to accidents at work and informing the dialogue with staff about the golden rules of safety.

Actions were organised with service providers this year, including the quarterly safety forums, with around forty subcontractor companies taking part in each forum. The golden rules were incorporated into renewed contracts with service providers, accompanied by bonuses for the companies that respect the rules most closely. The golden rules were also translated into 10 languages to promote the best possible understanding on the ground. Each service provider has to circulate booklets within their teams and ensure they are applied when working on GRTgaz sites and projects.

Finally, the stability of mechanisms such as safety walkarounds is another key factor in reducing the employee accident frequency rate, since they provide an opportunity to identify and improve employees' safety practices from a behavioural viewpoint. This type of accident prevention tool will gradually be developed for external contractors next year.

OUR ENERGY



by Vianney
Taillade
QSE expert,
HR – H&S unit

My role at GRTgaz

In the context of the approach to preventing health and safety risks in the workplace, I work specifically on a number of dangers my colleagues face during their activities, such as earthworks, excavations, lifting operations or dangerous atmospheres. I help to adapt our rules (based on feedback and regulatory changes), select our personal protective equipment and prepare awareness-raising materials. I also take part in monitoring accident statistics and making remote declarations.

What gives you energy every day in your work?

I have a cross-functional job that brings me into contact with a wide variety of roles: technicians, supervisors, project managers, occupational doctors, external organisations such as inspection bodies, the OPPBTP, etc. This leads to very rich discussions, such as the ones we might have when analysing an accident, for example.

What does working at GRTgaz mean to you?

Growing within a company with multiple areas of expertise, imbued with a very strong safety culture that is firmly rooted among all staff members. It's very satisfying, but it's also a great challenge because you can't take anything for granted with safety: once you reach a high level, you have to maintain it.

55. The French agency for risk prevention in the construction industry.

56. A GRTgaz subsidiary.

Mobilising the energy of our teams in the service of safety and the continuity of our activities

OUR COMMITMENTS

2024 targets

- % of employees trained > 80% per year
- Gender equality index ≥ 94
- Engagement rate \geq benchmark for France⁵⁷
- Index of quality of life at work \geq benchmark for France
- % of women in the workforce 26%

5.2

Our teams: developing skills, diversity and quality of life at work SNFP

GRTgaz underlines its overarching goal to promote the health of its employees, and more broadly their quality of life at work, by facilitating the development of skills and combating all forms of discrimination. Staff dialogue is a crucial part of the company's employment policy, leading to the creation of new working arrangements and management methods promoting

initiative, progress and innovation. Providing work-study opportunities is also a key part of ensuring the transmission of knowledge acquired by our employees, promoting the employment of young people and preparing for the future. All these initiatives strengthen the commitment of employees to the corporate purpose of the company and increase its attractiveness.



Holder of the Diversity label awarded by Afnor since 2015



Signatory of the L'Autre Cercle charter for LGBT⁵⁸ (lesbian, gay, bisexual and transgender) inclusion in 2018
Creation of an LGBT+ & allies collective in May 2020

The magazine Capital has published its ranking of the top 500 employers in France for 2023. GRTgaz leads the energy sector and takes eighth place overall for the companies with the best scores from their employees.

57. This benchmark is measured across 150,000 employees at 150 companies. Benchmark source: Willis Towers Watson. The standard includes a weighted average of results of surveys conducted with employees from various sectors working in France.

58. Four principles to which GRTgaz is committed: Create an inclusive environment for female and LGBT+ employees. Ensure equality of rights and treatment of all employees, regardless of sexual orientation and gender identity. Support employees who have been victims of discriminatory comments or acts. Measure progress and share best practices to foster positive changes in the general professional environment.

POLICIES AND RESOURCES IMPLEMENTED

To ensure the success of its transformation project, GRTgaz has decided to accelerate the Human Project, the foundation of the CAP24 corporate plan, to support employees

in the move towards a more collaborative, decentralised operation that is better able to anticipate future needs. This involves adjusting our culture to develop a sense of the collective, encourage curiosity, support initiative and better recognise commitment.

OBJECTIVES OF THE CAP24 HUMAN PROJECT

Give free rein to initiative, encourage innovation, allow experimentation and the right to make mistakes and learn from one another

Maintain and develop our technical and behavioural skills

Define together the many future ways of working, both remotely and on site: Multiplex approach

RESOURCES IMPLEMENTED

- **Feedback**
Support the development of a **Feedback culture** in each team
- **Experimentation**
Instil a mindset open to **experimentation**
- **Listening to employees**
Measure employees' experience over time, and in particular the impact of transformations on **commitment** and **quality of life at work**

- **Vision of skills**
Ensure that employees maintain a pragmatic, multidisciplinary operational **vision** in terms of **skills**
- **Soft skills**
Develop each employee's understanding of the need for soft skills
- **Managerial community**
Develop **managerial learning communities** to ensure the widespread emergence and adoption of new practices

- **Multiplex**
Define **together** the many future ways of working remotely
Negotiate, conclude and deploy a global agreement

For many years, GRTgaz has been fostering the professional development of its employees by offering a multitude of training opportunities, as well as functional and geographical mobility within the company and other companies in the electricity and gas industries.

GRTgaz also considers diversity and inclusion to be key drivers of the company's performance, attractiveness and innovation.



OUR RESULTS

KPI	REFERENCES	2024 TARGETS	2030 TARGETS	2021 RESULTS	2022 RESULTS	2023 TARGETS	2023 RESULTS
Percentage of employees trained ⁵⁹	2020 63%	80%		79.6%	85.2%	> 80%	77%
Employee engagement rate	2020 77 (France benchmark 76)	Greater than or equal to the benchmark	Greater than or equal to the benchmark	74 (France benchmark 78)	76.6 (France benchmark 79.7)	≥ 79.4 France benchmark	71.5% (France benchmark 79.4)
QVCT (quality of life and working conditions) index ⁶⁰	2020 75 (France benchmark 69)	Greater than or equal to the benchmark	Greater than or equal to the benchmark	72 (France benchmark 73)	73.9 (France benchmark 74.3)	≥ 75.7 France benchmark	74.1% (France benchmark 75.9)
Gender equality index	≥ 94	≥ 94	≥ 94	94	94	94	94
Women in the workforce	2020 24.2%	26%		24.58%	24.62%	25%	24.56%
Work/study programme rate	2020 8.5%	8%		8.41%	6.90%	7%	7.33%

With 77% of employees receiving training, GRTgaz is close to its 2023 training target. There are two main reasons why the 80% target was not reached this year: firstly, there were fewer training courses due to the time taken to set up the new R24 organisation. Beyond this, and more structurally, training provision is evolving: there is a transfer away from external, face-to-face training towards digital methods hosted internally on the PRO'DIGE platform (these courses are not yet accounted for in the training rate). Fundamentally, one of the goals of the Human Project is to develop new behavioural skills ("soft skills") and managerial

abilities relevant to our new priorities. Training has been made available this year on PRO'DIGE. The launch of the École du Gaz was another high point of this year.

The employee engagement rate is down 5.1 points compared with last year. The uncertain context of this year (pension reform, doubts about the role of gas in the future French energy mix) and the corporate reorganisation included in the R24 transformation project explain these results and the deviation from the benchmark (-7.9 points below the benchmark).

The quality of life at work index remained stable in 2023, partly due

to the wider adoption of working from home and the development of multi-location posts, which contributed to better work-life balance. The emphasis this year was on preventing psychosocial risks, a significant element of quality of life and working conditions, raising awareness among 80% of employees, evaluating risk factors and incorporating these risks into the shared professional risk document for GRTgaz locations.

In terms of the percentage of women in the workforce, the rate for permanent employees did not reach the level expected this year, at 24.56% against a target of 25%, due to the priority given to the

59. Only permanent employment contracts are included.

60. Quality of life and working conditions, the new term since the act of 2 August 2021, replacing quality of life at work (QVT).

OUR ENERGY



by Mathilde Garret
Deputy manager of the cross-functional IT service unit, Information Systems Division

My role at GRTgaz

I work in the information systems department at GRTgaz. More specifically, I manage the activity of four departments: Data Centre Infrastructure, Cloud Infrastructure, Networks and Telecom, and Digital Workplace.

A stand-out initiative this year?

I've been part of the "Elles Bougent" association for nine years now, which aims to inspire girls at school and college to take up scientific, technical and engineering careers. I've been the association's regional representative for Île-de-France for just over two years. This year there were 51 of us acting as mentors at GRTgaz. We welcomed schoolgirls twice to present our roles and career paths and help them imagine the reality of working life. It was so satisfying to watch them smiling as they left! The goal for next year is to organise a tour of our RICE site in Alfortville to show them life at the coalface, and to continue recruiting more and more mentors at GRTgaz throughout the country!

What does working at GRTgaz mean to you?

Something that is very deeply rooted here: our concern for environmental issues and the energy transition in general. And also the sense of teamwork, which I have been able to see in all my jobs!

reorganisation and the reduction in external recruitment in favour of internal recruitment. Action plans have been defined for 2024 to achieve the 2024 target of 26%.

GRTgaz retains its score of 94/100 on the Egapro index and continues to work with associations, such as Capital Filles and Elles Bougent⁶¹, to promote engineering and technical careers to girls in schools and colleges. Fifty-one GRTgaz employees regularly share their experience with young women interested in undertaking a scientific or technical career.

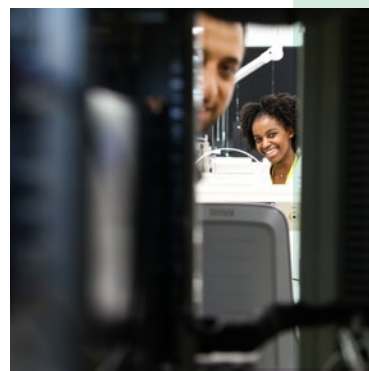
In terms of work-study programmes, a new permanent contract was signed unanimously by the GRTgaz trade union organisations in July 2023. GRTgaz sees work-study as an ideal means of training, providing professional skills and integrating young people and workers who face barriers to employment. Considering diversity as an essential driver of its development, GRTgaz is committed to favouring the recruitment of female work-study students and those with disabilities. GRTgaz increased its work-study rate this year to 7.33% from 6.90% in 2022. Recruitment initiatives included strengthening GRTgaz's visibility on social media and taking part in trade fairs.

GRTgaz is also continuing its drive to hire people with disabilities, signing a fifth agreement covering the 2022-2024 period to promote the integration and retention of workers with disabilities. To underline its ambition, GRTgaz will devote a budget of €840,000 over a three-year period to deploying this new agreement, a total of €280,000 per year. In 2023, two people were hired on permanent contracts and nine on fixed-term contracts: eight work-study students and one person with a disability on a standard fixed-term contract were welcomed. At the end

of 2023, GRTgaz had 124 employees with disabilities among its workforce (the same number as in 2022).

GRTgaz continues to change attitudes and argue for the essential contribution of diversity by multiplying its communication and awareness initiatives. Diversity Month, organised in June 2023, spotlighted the LGBT+ collective, disability and sexism at work.

In application of the French military planning act of 1 August 2023, making various defence-related provisions and supplementing article L.225-102-1 of the French commercial code, GRTgaz supports France's reserve policy, including an agreement signed on 18 March 2019 with the armed forces ministry. Under this agreement, GRTgaz is committed to granting reservist employees more favourable conditions than those specified by the regulations in force (more days of leave, shorter notice period and responsiveness clause, internal communications, etc.) in compliance with this new regulation.



61. For more information about the activities of "Elles Bougent", see their website: Elles Bougent - Our partners - GRTgaz - <https://www.ellesbougent.com/>

Mobilising the energy of our teams in the service of safety and the continuity of our activities

COMMITMENTS

2024-2030 TARGETS

- 2024: **9,750 km** of pipelines checked for renewal of suitability for service
- 2030: **31,750 km**
- 2024: **100%** of new hires trained in cybersecurity per year



5.3

The security of our network and our information systems SNFP

For GRTgaz, the security of its facilities and information systems is a permanent and crucial objective. This is a key factor in performance and risk prevention and management within the company.

POLICIES AND RESOURCES IMPLEMENTED

Industrial risk is controlled through the implementation of prevention, maintenance and monitoring policies under the ministerial order governing the integrity of gas

transmission pipelines. These policies are based on both regular monitoring of our linear infrastructure, using a combination of on-the-ground and aerial resources, and on ten-yearly inspections combined with repairs to guarantee that our installations remain fit for service over the long term. Management is carried out via a security management system incorporating governance at every level of the company.

The cybersecurity risk is managed right at the top of the company, by the information systems

division, and organised through an IT security management system. The topic is regularly discussed at GRTgaz executive committee meetings. Employee awareness is at the heart of the cybersecurity policy. A network of cybersecurity contacts has been organised in every GRTgaz division to implement and manage the policy.

NETWORK SECURITY RESULTS IN 2023

KPI	REFERENCE	2024 TARGETS	2030 TARGETS	2021 RESULTS	2022 RESULTS	2023 TARGETS	2023 RESULTS
Number of km of pipelines having undergone a fitness for service renewal	From July 2021	9,750 km (total for 2021-24)	31,750 km	2,720 km	2,550 km (total for 2021-22: 5,270 km)	2,450 km (total for 2021-23: 7,720 km)	4,230 km (9,500 km in total)
Number of incidents involving third-party attacks on pipelines	2020 7	≤ 2	≤ 2	5	6	3	4

In terms of pipework inspections and maintenance, GRTgaz easily exceeded its target in 2023, with 9,500 km of pipework having its fitness for service renewed since 2021. 2023 was the second full year marked by more frequent inspections with pistons⁶² and systematic leak searches (carried out by teams on foot, in vehicles and by air, including drones). This year also saw the development of our remote monitoring system for the cathodic protection⁶³ of our infrastructure and the recording of press cycles.

The very ambitious target for third-party attacks on pipelines was not achieved, with four third-party incidents involving pipelines this year. The number of events recorded is still down on the values seen in the previous four years, however. These incidents were all analysed and repaired quickly by GRTgaz teams.

The “Third-Party Works Skills” group, consisting of representatives of all the activities with which GRTgaz is involved, analyses the causes of these incidents and provides targeted in-house training throughout the country together with training for various external audiences (construction contractors, local authorities, landowners, farmers, etc.).

With regard to external companies, GRTgaz is continuing its work from 2022 on the security partner approach, including security assessments, discussions at business reviews and reinforced monitoring of companies if accidents occur or warning signs are detected. This year, GRTgaz began gradually introducing “security booklets”. These booklets are set up when contracts with third parties are renewed, and aim to institute bonuses for future calls for bids and encourage the use of companies that regularly perform well in terms of security.



Close-up

THE LAUNCH OF THE ÉCOLE DU GAZ IN OCTOBER 2023

The École du Gaz officially opened its doors to receive its first classes, and the first two technical training modules are available to all employees.

COMPLEMENTARY ENERGY

Project: the École du Gaz

Improving the transfer of technical knowledge, deploying useful and appealing new content, passing on best practices to employees who are now active participants in their own professional development and contributing to the influence and attractiveness of GRTgaz – these are the ambitions of our new “gas school”. Focusing on nine subject areas, from accident prevention to the safety of people and assets via network operation, engineering and new gases, the new École de Gaz space is open to anyone. It enables useful training to be scheduled on tight deadlines while enabling everyone to acquire or develop the skills they need for their work. In 2023, the school attracted experienced, motivated, determined employees from operational and project backgrounds to capitalise on their experience and generate new content. GRTgaz thus offers a foundation of common, up-to-date technical knowledge for all its technical staff, whether they are new arrivals or more experienced employees. The training, which is more approachable and modern, is designed to be provided along “hybrid” lines, with a variety of teaching methods (mentoring, 100% face-to-face, remote synchronous or 100% remote) to adapt to everyone’s individual needs.

62. This type of inspection involves inserting so-called “instrumented” pistons into the pipework. These are sophisticated tools consisting of sensors that pass through the pipe at a speed of several metres per second. The aim of the inspection is to detect any faults that could ultimately affect the fitness for service of the pipes.

63. This is an active system that involves forcing an electric current to circulate through the pipes to protect them against corrosion.

2023 RESULTS FOR INFORMATION SYSTEM PROTECTION

KPI	REFERENCE	2024 TARGETS	2021 RESULTS	2022 RESULTS	2023 TARGETS	2023 RESULTS
Number of employees who received cyber-security training/year (CS e-learning rate)	-	100% of new hires	80%	94.3%	100%	100%
Number of major information security incidents	-	0	0	0	0	0

No serious incidents (loss of critical information systems) has occurred in terms of data security since 2017. The threat remains very high, however, given the current geo-political instability, the geostrategic importance of the energy sector and the ever-growing technical abilities of cybercriminals. This context requires significant investment and tight coordination between GRTgaz's physical and virtual asset management.

In 2023, 100% of new hires completed awareness training on cyber-security risks through e-learning, reaching the 2024 target a year in advance. Faced with the growing intensity of the threat, it was above all the involvement of senior management, with multiple instructions for the whole staff, that meant this target could be met ahead of schedule. The "Cyber Month" brought 900 employees together and gave each director an opportunity to explain the cybersecurity aspects specific to their division. Several "phishing" exercises, increasing in difficulty, were carried out over the year to help ensure staff remained vigilant. The number of correct responses grew steadily over the course of the exercises.

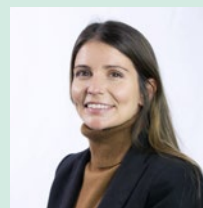


Close-up

THE CYBER COMMUNITY AND IT CONTACTS

Once again, the energy of our teams, led by the Cyber Community and the IT contacts, is a key factor in familiarising GRTgaz's different divisions with cybersecurity. The Cyber Community consists of employees designated by each division. It aims to pass on best cybersecurity practice to all staff. IT contacts, meanwhile, are experts from each division attached to the IT Division who specialise in the cybersecurity aspects of their division (HR, legal affairs, etc.). This organisation encourages a very strong culture of cybersecurity and strengthens the operation of threat management in each division.

OUR ENERGY



by Sarah Ribeiro Morais
Cybersecurity change management officer

My role at GRTgaz

I am responsible for raising awareness of cybersecurity among all the staff of GRTgaz.

How do you contribute to the corporate project at your level?

I reduce the risk of cyberattacks associated with the human factor. I am responsible for sharing best cybersecurity practice to all users and making them into the company's best antivirus resource.

What were you particularly proud of this year?

Awareness raising is a long-term job. But this year saw the deployment of several innovative initiatives, including the creation of unusual formats such as illustrated podcasts and "escape games". Helped by internal IT contacts in the field, I feel as if I made a positive contribution to the security of our activity.

COMMITMENTS

2024 target

- Delivery station supply interruption rate < 0.2%
- Customer satisfaction rate > 90%

5.4 Business continuity and customer satisfaction SNFP

Continuity of gas transmission is at the heart of the public service missions of GRTgaz. The Covid-19 pandemic, recent weather events and the international context have highlighted the importance of the continuity of our activities for our stakeholders.

POLICIES AND RESOURCES IMPLEMENTED

All policies and action plans implemented aim to maintain an excellent level of supply continuity

for our customers, even when faced by extreme events (pandemics, climate events, etc.).

The energy crisis highlighted the importance of business continuity plans and the company's ability to handle events generating complexity. The delivery station supply interruption rate in 2023 was better than the target at 0.04% (two interruptions), for a supply interruption target of below 0.2%. These results reflect the teams' respect for the implementation of maintenance plans and corrective measures,

checks to ensure that the specification of the network is appropriate for a risk level of 2%⁶⁴ and the fact that the dimensions and designs of new delivery stations correspond to the requirements.

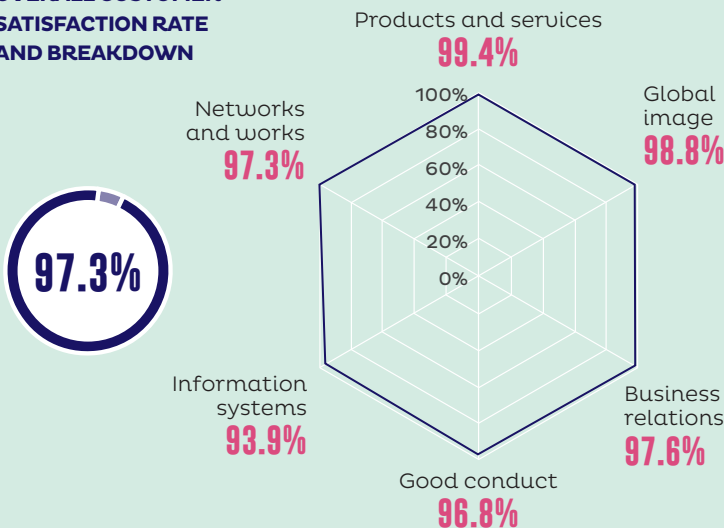


To access the 2023 customer satisfaction barometer

OUR RESULTS

KPI	REFERENCE	2024 TARGET	2030 TARGET	2021 RESULTS	2022 RESULTS	2023 TARGET	2023 RESULTS
Delivery station supply interruption rate	0.08% in 2020	< 0.2%	NA	0.08%	0.12%	< 0.2%	0.04%
Customer satisfaction rate	93% in 2020	> 90%	> 90%	93.7%	96%	> 90%	97.3%

OVERALL CUSTOMER SATISFACTION RATE AND BREAKDOWN



The customer satisfaction rate for GRTgaz services in 2023 was 97.3%⁶⁵, higher than in 2022 and significantly higher than the target of 90%, thanks to the mobilisation of GRTgaz's different divisions to address its customers' priorities. All six sections of the index were higher. Greater participation by biomethane producers is to be welcomed this year. These results strengthen GRTgaz's efforts in favour of the energy transition, particularly for consumer customers.

64. This is an infrastructure specification criterion that corresponds to GRTgaz's obligations, which include ensuring continuity of transmission even under extreme weather conditions such as once-every-200-years cold snaps.

65. More information: Results of the 2023 customer satisfaction survey | grtgaz.com.

5.5 Ethics and independence SNFP

ETHICS AT GRTgaz, WHAT IS IT?

Preventing the risks associated with all forms of discrimination, all forms of harassment, fraud, corruption, conflicts of interest, and the disclosure of any confidential information.

ETHICS AT GRTgaz, WHY?

To increase the trust of our stakeholders, protect our reputation and comply with law no. 2016-1691 (known as Sapin II) of 9 December 2016 on transparency, fighting corruption and economic modernisation.

ETHICS AT GRTgaz, HOW?

Working collectively for a risk prevention approach at every level based on management leading by example and living up to our five corporate values: innovation, openness, responsibility, excellence and trust.



GRTgaz'S ETHICS COMMITMENTS



100% of teams given awareness training on ethics and compliance risks by 2024



A PREVENTION PROGRAMME, "OUR COLLECTIVE AIM FOR ETHICS": 2021-2024

Dissemination programme on the ground to raise awareness and prompt discussion with employees on the various risks related to ethics.

Special training scheme (remote and classroom-based e-learning) for the employees most exposed to fraud and corruption risks, under the Sapin II law.

Due diligence procedure for the suppliers most at risk in terms of human rights, health and safety and respect for the environment.

Whistleblowing system: the Ethics Committee protects the anonymity of whistleblowers and the confidentiality of the information received. The ethique@grtgaz.com mailbox was set up to encourage the reporting of dilemmas, questions, weak signals and ethical alerts. It also ensures confidentiality for the sender. The "Allo Discrim" and "Allo Sexisme" hotlines run by independent professionals and a counselling service are also available to employees.

66. Following the French "Wasserman" act, the GRTgaz Ethics Charter was updated to strengthen protection for whistleblowers. This law aims to improve companies' whistleblowing systems and protect whistleblowers, building on the Sapin II law.

RESULTS

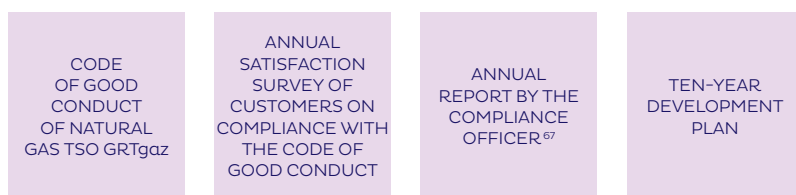
- 75% of teams trained in ethical risks, incorporating whistleblower protection in the module on fighting corruption (“Wasserman” law)
- 265 suppliers assessed by an external company in three years, including 98 in 2023 (“Sapin II” law)
- 10 ethical incidents and 3 disciplinary committee meetings.

These include:

- seven relating to questions about human rights
- two cases of fraud
- one case of unauthorised absence

As an independent transmission operator (ITO) certified by the French Energy Regulation Commission (CRE), GRTgaz must meet the obligations of independence and autonomy applicable to network operators controlled by a vertically integrated company.

GRTgaz'S COMMITMENTS AS AN INDEPENDENT TRANSMISSION SYSTEM OPERATOR



GRTgaz acts fairly and without discrimination in its relations with all its gas customers, shippers, producers, consumers and distributors connected to its transmission network. This covers the conditions for access to the transmission network and the confidentiality of all information whose disclosure would be likely to breach the rules of free and fair competition and non-discrimination.

GRTgaz also acts with complete independence from other ENGIE entities in relation to production, supply, gas storage and liquefied natural gas under its status as an independent transmission operator (ITO) as defined in the French Energy Code.

The Code of Good Conduct, approved by the French Energy Regulation Commission (CRE), presents the internal organisational measures taken by GRTgaz to prevent the risk of discriminatory practices regarding third-party access to the natural gas and renewable gas transmission system, as required by Article L.111-22 of the Energy Code.

MANAGEMENT OF COMPLIANCE WITH THE ENERGY CODE AND THE GRTgaz CODE OF GOOD CONDUCT

A compliance manager, whose independence is guaranteed by the Energy Code (L.111-34), ensures compliance with these requirements. The officer reports regularly to the CRE and produces an annual report on GRTgaz's implementation of its code of good conduct, on the observance of the independence obligations and on the correct implementation of the ten-year development plan.

A manager responsible for the implementation of GRTgaz's Code of Good Conduct, assisted by an operations manager at national level, liaises with the Compliance Officer and the GRTgaz divisions. This manager draws up the reference documents and the corresponding inspection plan. They inform and advise GRTgaz's divisions. They liaise with the CRE on the approval of contracts and services with entities

in the Engie group. A Code of Good Conduct correspondent within each division is responsible for disseminating the Code of Good Conduct and ensuring its provisions are applied, managing the annual action plan and reporting on results. Observance of the Code of Good Conduct is assessed in the course of an annual satisfaction survey of shippers and industrial customers.

2023 RESULTS

- No significant non-compliance with the Code of Good Conduct in 2023.
- 96.8% of customers are satisfied with regard to GRTgaz's compliance with the Code of Good Conduct
- 99.6% of employees have received the e-learning training on the Code of Good Conduct

67. 2021-2022 report on compliance with codes of good conduct and the independence of electricity and natural gas transmission system operators – CRE – <https://www.cre.fr>.



6 Supporting our energy with responsible governance





The Drivers of GRTgaz

DIALOGUE

Dialogue, whether it is within the company, with staff representatives or with society at large, is a real strength of our organisation, and consultation with our stakeholders is a key factor in our collective success. Thanks to these exchanges, we are building a more responsible energy future, taking account of rich, wide-ranging priorities and points of view.



6.1

Our Board of Directors and its committees

COMPOSITION OF THE BOARD OF DIRECTORS IN 2023

Gender parity index: 1

Term of office of board members: 5 years

9

board members are appointed at the annual general meeting and proposed by ENGIE

Adeline Duterque, then **Sandra Roche – Vu Quang**
chair of the Board of Directors

CELIZAN, then GDF SUEZ Infrastructures represented by **Raphaëlle Castillon**

ENGIE represented by **Édouard Sauvage**, then **Cécile Prévieu**

ENGIE Home Performance represented by **Sandra Roche – Vu Quang**, then **Pierre Chambon**

GDF International represented by **Alain Delava**

SFIG represented by **Hélène Verbockhaven**

SOPRANOR, then COGAC represented by **Sophie Quarré de Verneuil**, then **Marie Carlo**

SPERANS represented by **Caroline Adam-Planchon**, then **Delphine Berg**

VOCANIA, then ENGIE New Ventures represented by **Jean-Baptiste Séjourné**, then **Cécile Prévieu**, then **Edouard Sauvage**

4

board members are appointed at the annual general meeting and proposed by the Société d'Infrastructures Gazières (CDC and CNP)

Gautier Chatelus
Olivier Guigné, then **Anne-Claire Berlier de Vauplane**
Olivier Mareuse
Dimitri Spoliansky

1

independent director is appointed at the annual general meeting and proposed by the shareholders

Michel Destot

2⁶⁸

board members represent employees

Gaëlle Cabut
Vincent de Laharpe

The eight board members whose appointment is not proposed by ENGIE form the "minority" of board members as defined by article L. 111-25 of the French Energy Code.

GRTgaz is a transmission network operator that is part of a vertically integrated company (ENGIE). To ensure fair competition in the internal gas market, the law places restrictions on the Board of Directors' powers, particularly regarding third party access to the transmission network, and the planning of investment in gas infrastructure. Christophe Poillion, GRTgaz Compliance Manager, attends all Board and committee meetings to ensure these regulatory requirements are met and there is no discrimination between the different network users.

Work done by the Board in 2023

In 2023, the board met six times and discussed the following topics:

- Strategy
- Governance, appointments
- Closure of the accounts
- Budget, medium-term business plan
- Investments
- CSR
- Accident prevention/safety policy
- Human resources
- Cybersecurity, risks
- R&D and innovation

68. Following the resignation of the third employee director in 2023.

BOARD OF DIRECTORS STRATEGIC SEMINAR

Every year, the board members meet to take part in a strategic seminar, the aim of which is to present and discuss the company's strategic orientations.

In 2023, the seminar was a chance for new directors to be brought up to speed, with a focus on two areas: hydrogen transport and carbon dioxide transport.

COMMITTEES OF THE BOARD OF DIRECTORS

In 2023, the structure of the Board of Directors' committees changed to reflect the evolution of the company's priorities:

- the remuneration and selection committee was retained,
- the audit and investment committees were combined,
- a CSR committee was formed.

Their role is to examine issues relevant to their subject area and to give their conclusions and opinions to the Board of Directors.

<p>THE AUDIT AND INVESTMENT COMMITTEE</p>	<p>ROLE</p> <ul style="list-style-type: none"> ■ Ensures that accounting methods are appropriate ■ Examines and delivers an opinion on the accounts and financial plans ■ Analyses the investment policy and gives an overall opinion on GRTgaz's investment proposals ■ Is informed about the ten-year network development plan specified by the French Energy Code (it may request reports about major projects that require investment decisions) ■ Reviews external and internal controls and the company's risk mapping ■ Evaluates the efficacy and quality of the internal control process and examines significant risks and commitments, in particular with regard to the provisions applicable to an independent transmission system operator <p>Number of meetings: 3</p>
<p>CSR COMMITTEE</p>	<p>ROLE</p> <ul style="list-style-type: none"> ■ Issues recommendations on the implementation of the corporate purpose and CSR policy (including the Human Resources policy and equality in the workplace) ■ Analyses the results and issues recommendations on the targets set for the coming years ■ Studies the SNFP in the integrated report to make comments before it is presented to the Board of Directors ■ Examines trends affecting CSR at GRTgaz and the evolution of non-financial risks and suggests directions for the company's CSR <p>Number of meetings: 1</p>
<p>REMUNERATION AND SELECTION COMMITTEE</p>	<p>ROLE</p> <ul style="list-style-type: none"> ■ Examines and issues an opinion on the remuneration of the board members, the Chair and the CEO and candidates for these positions, including the board's committees and their chairs. <p>Number of meetings: 2</p>

6.2

Our executive committee on 31/12/2023

A new organisation for the Executive Committee was introduced on 1 January 2023 as part of the R24 project. GRTgaz now consists of the operations division, the industrial assets division, the development

division, the general secretariat, the finance, CSR and procurement division, the customers and network optimisation division, the human resources division and the information systems division. These will

be spread across three locations of comparable size (operations, industrial assets, head office).



Thierry Trouvé⁶⁹
chief executive officer



Pierre Duvieusart
deputy CEO



Franck Wintzenberger
finance, CSR and procurement division



Anne-Sophie Decaux
industrial assets division



Anthony Mazzenga
development division



Sandrine Meunier
operations division



Adeline Duterque
general secretariat



Hervé Rambaud
human resources division



Pierre Cotin
customers and network optimisation division



Hervé Constant
information systems division

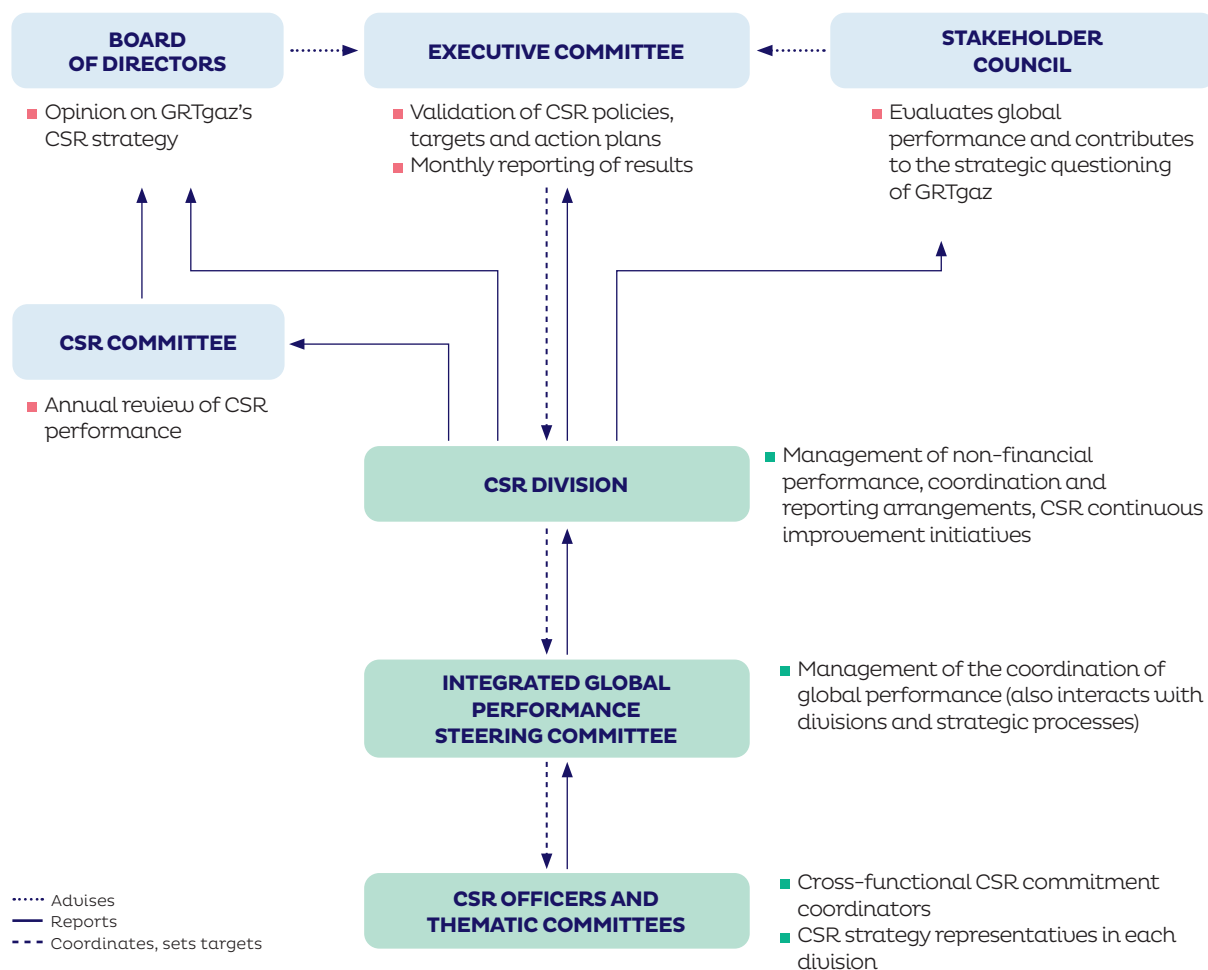
The roll-out of this new organisation constitutes an essential step to meet the goals of our CAP24 project and puts us in a solid position to prepare for 2030. The new organisation has set itself three priorities:

- Preparing the network of the future by bringing together in the industrial assets division all the skills needed to serve our industrial policy, from infrastructure design to maintenance
- Optimising the organisation of maintenance activities in the operations division by expanding the scope of operations and strengthening support for essential activities for works preparation and planning
- Simplifying our operation and energising the development of renewable gas and growth activities in hydrogen and CO₂ transmission.

69. Following the departure of Thierry Trouvé, Sandrine Meunier took over as Chief Executive on 25 January 2024.

6.3

Our CSR governance SNFP



A NEW STAKEHOLDER COUNCIL AT GRTgaz

The company has just appointed a new Stakeholder Council. The purpose of this council is to enrich the vision of senior management in order to integrate societal expectations of energy companies.

The council, whose first session took place on 17 November 2023, meets two to three times a year.

Missions of the Stakeholder Council

- Turning a “critical” eye on the company’s performance and orientations in terms of CSR;
- Shining a light on social trends and expectations with regard to GRTgaz’s strategic priorities;
- Opening up new prospects and anticipating restrictions associated with the role of a gas infrastructure operator;
- Helping to bring out future issues likely to impact GRTgaz’s activity, positively or negatively; contributing to the company’s strategic questioning.

Composition of the Stakeholder Council: expertise to accelerate GRTgaz’s transformation

Brune Poirson⁷⁰

Chair of the Stakeholder Council
Sustainable Development Director
at the Accor Group
Impact/CSR specialist

Nicolas Prudhomme

Chief executive of USH⁷¹
Social landlords

Marine Le Lan

Member of the collective
Pour un réveil Écologique
Environmental association

Christian Couturier

Director of Solagro, board
member of Negawatt
Climate expert

Angélique Longera

VP Business Area France
at Somfy
Industrial customers

Sébastien Bourdin

Professor of economic
geography at ENBS⁷²
Energy policy specialist

Pierre Hirtzberger

Director general
of technical services
at SYCTOM
New renewable gas sectors

Hervé Lucas

Chief executive of CVE⁷³
Renewable gas expert
(anaerobic digestion, etc.)

Alain Leboeuf

President of Vendée district
council
Regions and communities

Aurélié Picart

Representative
of CSF NSE⁷⁴
Energy markets and their
decarbonisation

70. Brune Poirson was a minister in the Ministry of the Ecological and Inclusive Transition from 2017 to 2020 and Vice President of the United Nations Environment Assembly from 2019 to 2020. She backed the “Anti-waste for a circular economy” (AGEC) law.

71. Union Sociale pour l’Habitat, an association of social housing providers.

72. EM Normandie Business School.

73. Changeons notre Vision de l’Énergie, a French renewable energy holding company.

74. Strategic sectoral committee on new energy systems.

6.4

Our risk management system

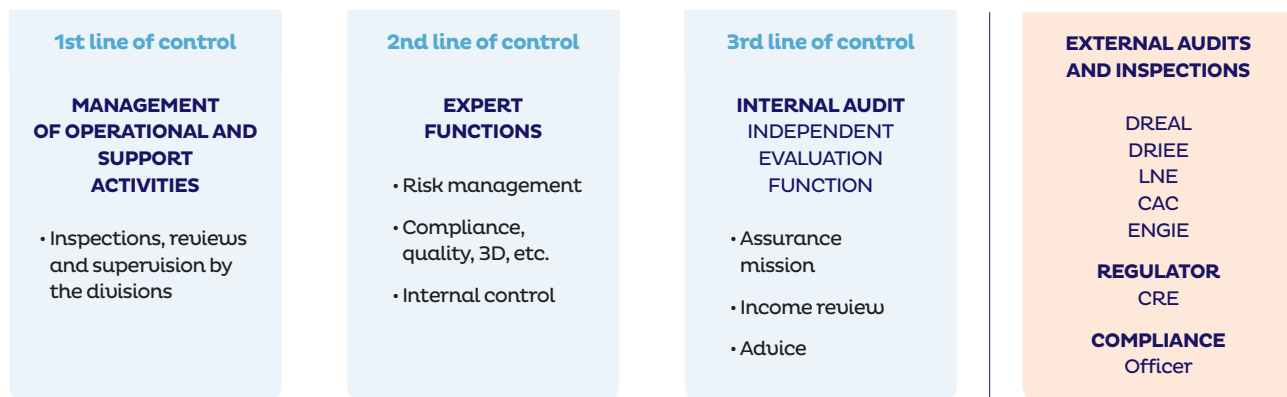
In a changing energy context where the future is uncertain, risk management is a key element of company management in terms of both financial and non-financial results and resilience to crises. Risk

management provides information for the company’s strategic dashboard and helps to give it the agility it needs for its long-term sustainability and development.

A SYSTEM COVERING ALL LEVELS OF THE COMPANY BASED ON THE THREE LINES OF CONTROL



The risks for GRTgaz are identified both **operationally** and **strategically**.



GRTgaz’s risk management system consists of an overall system based on **the three lines of control**.

Every year, GRTgaz uses the COSO ERM method to identify and assess risks according to impact and probability, on a six-year horizon, to identify events that could threaten the company's long-term sustainability and the success of its strategic objectives.

There is extensive overlap between the company's major risks identified by this analysis and the risks and opportunities identified by the materiality analysis, which takes account of stakeholders' perceptions.



Methodology

Risk identification and assessment is based on a methodology known as COSO ERM.

- This method is used to structure the approach to risk management.
- The trend is evaluated over a period of six years and re-evaluated every year.
- Severity is assessed on the basis of the impact and probability.
- The impact assessment includes the financial impact (as a % of total EBITDA over six years) and the non-financial impact (human, reputational, environmental, legal, social).

Severity	Risk	Trend	Link with the 2021-2024 CSR policy	Link with stakeholders
High	Industrial accident	→	Commitment 8: Ensure the safety of people and infrastructure and the continuity of our activities	Employees, local communities, customers
	Cyberattack	→	Commitment 8: Ensure the safety of people and infrastructure and the continuity of our activities	Employees, suppliers, customers
	Economic regulation	→	Commitment 3: Enable access to affordable and sustainable energy	Employees, suppliers, investors, customers
	Safety	↗	Commitment 8: Ensure the safety of people and infrastructure and the continuity of our activities	Employees, suppliers, customers
	Labour crisis	↘	Commitment 5: Encourage the development of skills, diversity and quality of life at work for our employees	Employees, customers, suppliers
	Role of gas in the energy transition	↗	Commitment 2: Speed up the energy transition by developing green gases Commitment 4: Grow sustainably Commitment 7: Co-build sustainable energy solutions with local players	Customers, suppliers, planet, employees, investors
	Ethics	→	Commitment 9: Conduct our business with suitable ethics and independence	Suppliers, employees, investors, local communities, media
Moderate	3D non-compliance	→	Commitment 9: Conduct our business with suitable ethics and independence	Regulator, suppliers, employees, customers
Emerging risks: greenhouse gas emissions, sustainable growth, respect for biodiversity, asset management		↗	Includes all the commitments in the CSR policy	

7.1

Methodology appendix SNFP**ABOUT THIS REPORT**

The GRTgaz Integrated Report took inspiration from the reference framework recommended by the Integrated Reporting Framework (formerly the IIRC). It proposes a holistic vision of the company: its purpose, ambition, strategy, objectives,

governance and different value generation options for the company and its stakeholders. Its contribution to the most relevant Sustainable Development Goals is also included.

The Integrated Report from GRTgaz also includes its Statement of Non-Financial Performance (SNFP), publishing information about the

main environmental, social and societal risks, alongside a description of its policies, action plans and their results.

This report was co-authored by all the GRTgaz divisions under the supervision of the CSR division.

METHODOLOGY APPENDIX ON THE STATEMENT OF NON-FINANCIAL PERFORMANCE BY GRTgaz

The statement of non-financial performance sets out the approach adopted by GRTgaz in terms of corporate social responsibility and non-financial information meeting the requirements of articles L. 225-102-1 and R. 225-105-1 to R. 225-105-3 of the French Commercial Code.

The scope of the GRTgaz statement of non-financial performance covers operations in France. GRTgaz produces two sets of financial accounts:

- Company accounts for the company GRTgaz SA under French standards, which meet the legal obligation (they are approved by ordinary general meeting of shareholders) and filed with the clerk of the commercial court (publication). It is for these accounts that we produce our management report (based on the company accounts) which is part of the statement of non-financial performance.
- Consolidated accounts for the GRTgaz group (GRTgaz and its subsidiaries) according to IFRS standards, meeting a contractual obligation. These accounts are intended for our shareholders, but are not

published and are not associated with a legal obligation.

In effect, under the Third Directive, Elengy provides the financial information required to produce the consolidated accounts. GRTgaz has no operational control on how the business is managed. Elengy is therefore excluded from the scope of the GRTgaz SA statement of non-financial performance. Subsidiary GRTgaz Deutschland, responsible for operating a regulated asset in Germany, is also not included in the 2023 report.

Data collection procedure:

CSR indicator data are collected for operations in France by the CSR director. Contributors report each indicator to the CSR director for the period from 1 January to 31 December 2023. A reporting protocol is formally defined.

Calculation of the waste recovery rate:

This waste recovery rate was partly determined using the estimated quantities of recovered waste from regional projects (which do not

use the dedicated framework contract for delegated waste management and the GRTgaz traceability application): 46% of soil and gravel, the recovery of which is considered to be 100% in quarries, the share of polluted land being marginal. Local sites rarely use the framework contract for delegated waste management correlated with the GRTgaz traceability tool. Waste management is essentially subcontracted to the works contractors (earthworks, pipework, civil engineering) and these contractors' waste monitoring slips are not often transferred into our collection tool. As the 2023 data are not exhaustive enough to deduce relevant results, these quantities have been estimated using the typologies of invoiced work packages under framework agreements for engineering works. It has nonetheless been possible to improve the reliability of the data due to the new regulatory requirements on waste declarations in national registers: Trackdéchets (hazardous waste) and RNDTS⁷⁵ (for sites producing more than 500 m³ of excavated earth), which improve the collection

75. French national register of waste, excavated earth and sediments.

of actual data. The constitution of a working group dedicated to managing site waste should also make the data more reliable.

Topics excluded:

Concerning topics addressed by article R. 225-105-1 of the French Commercial Code, preventing food waste, preventing food insecurity, promoting animal well-being and a responsible, equitable and sustainable diet and actions to promote the practice of physical and sporting activities were considered as not applicable to GRTgaz. The activities of the company are not related to the production, sale or distribution of food products.

For the 2023 report, the SNFP was audited by our auditors in their role as an independent third party, Deloitte and BM&A.

European Taxonomy: methodology note

For each indicator, we have used a methodology corresponding to the sum (1) of the proportion contributed directly by eligible activities and (2) the consumption of green gases as a proportion of the total gas consumption for the remaining activities.

1) Revenue:

- a. The direct proportion represents the total income from connections of biomethane injection stations;
- b. Green gas as a proportion of French consumption (0.92% in 2021 according to the Renewable Gas Panorama) applied to third-party access to the transmission network.

2) Capex:

- a. The direct proportion represents the total investment in biomethane (injection and reverse flow), hydrogen and methane emissions reduction projects;
- b. Green gas as a proportion of French consumption (0.92% in 2021 according to the Renewable Gas Panorama) applied to the remaining investment.

3) Opex:

- a. The direct proportion represents the total external and staff costs relating to biomethane, synthetic gas, hydrogen and methane emissions reduction;
- b. Green gas as a proportion of French consumption (0.92% in 2021 according to the Renewable Gas Panorama) applied to the remaining Opex within the scope of the taxonomy (R&D spending, building renovation costs, short-term rental contracts, maintenance and servicing expenses, repairs to tangible assets).

7.2

Concordance table SNFP

CHAPTERS	SUB-CHAPTERS	SNFP	PAGES
1. Transformation to deliver the energy of the future	1.1 Our business model and our ecosystem (stakeholders)	x	10
	1.2 Trends in the gas market	x	18
	1.4 Our integrated strategy to support our transformation	x	22
	1.5 Our CSR priorities	x	25
	1.6 Our creation of multi-capital value	x	26
2. Connecting our energy and our stakeholders to contribute to carbon neutrality	2.1 Our climate strategy	x	30
	2.2 Reducing our emissions	x	31
	2.3 Our support for the development of renewable gas activities in our regions	x	36
	2.4 Support for our customers in decarbonising their energy	x	40
3. Gathering our forces to protect the environment and adapt to future challenges	3.3 Limiting our impact on biodiversity	x	50
4. Investing for affordable, sustainable energy	4.2 For affordable, sustainable energy	x	58
	4.3 For sustainable growth	x	60
5. Mobilising the energy of our teams to guarantee the safety and continuity of our activities	5.1 The safety of our teams and our service providers	x	66
	5.2 Developing skills, diversity and quality of life at work	x	68
	5.3 The security of our network and our information systems	x	72
	5.4 Business continuity and customer satisfaction	x	75
	5.5 Ethics and independence	x	76
6. Supporting our energy with responsible governance	6.3. Our CSR governance	x	83
7. Appendices	7.1 Methodology appendix	x	88
	7.2 Concordance table	x	90
	7.3 Description of risks and opportunities	x	91
	7.4 Report by the Independent Third Party	x	95

7.3

Description of risks and opportunities SNFP

RISKS / OPPORTUNITIES	CSR RISKS	POLICIES / PRINCIPAL RESOURCES IMPLEMENTED	CSR COMMITMENTS	FOR MORE DETAILS
R: Carbon footprint	<ul style="list-style-type: none"> • Non-alignment with the Paris Agreement and the national low-carbon strategy • Methane emissions from the network and compressor stations 	<ul style="list-style-type: none"> • Low-carbon strategy compatible with the Paris Agreement and the national low-carbon strategy • Energy policy (ISO 50001). 	1: Reduce our carbon footprint	2.1 Our climate strategy
R: Energy transition	<ul style="list-style-type: none"> • Insufficient development of activities (biomethane, hydrogen, synthetic/low-carbon gas, NGV) to cope with demand and expectations • New law/regulation unfavourable to the role of gas (including renewable and low-carbon gas) • Tensions in access to biomass for renewable gas • Insufficient financial support to develop new activities and the sustainability of anaerobic digestion • Economic upheaval in the sectors associated with tensions in the energy market • Failure to recognise CO₂ savings made by renewable gases in current policies • Failure to compensate for the lost revenue due to lower gas transportation activity with the opportunities created by the energy transition • Increase in fossil gas prices leading to the permanent destruction of demand for gas (renewable or not) • Tensions in the natural gas market obscuring the debate on the energy and gas transition 	<ul style="list-style-type: none"> • Renewable gases programme (biomethane, hydrogen, pyrogasification, hydrothermal gasification, etc.) • Create/participate in working groups representing renewable gas sectors 	2: Speed up the energy transition by developing green gas	2.1 Our climate strategy
R: affordable energy	<ul style="list-style-type: none"> • Overinvestment in terms of price objectives • Non-observance of price objectives • No contribution to the competitiveness of the biomethane sector • Insufficient resources to be a renewable gas player 	<ul style="list-style-type: none"> • "ATRT7" tariff for using the natural gas transmission network • Investment and cost control • Performance plan (2021-2024) 	3: Enable access to affordable and sustainable energy	4.2 For affordable, sustainable energy

RISKS / OPPORTUNITIES	CSR RISKS	POLICIES / PRINCIPAL RESOURCES IMPLEMENTED	CSR COMMITMENTS	FOR MORE DETAILS
<p>R: Sustainable growth and resilience</p>	<ul style="list-style-type: none"> • Insufficient resilience of company's business model in light of CSR risks • Insufficient planning of the investments necessary to succeed in the company's transformation (renewable gases and compliance with carbon objectives, biodiversity, etc.) • Insufficient capacity to innovate in response to the company's challenges • Insufficient pace of diversification 	<ul style="list-style-type: none"> • Three-year investment programme • R&D innovation • Performance plan (2021-2024) 	<p>4: Grow sustainably</p>	<p>4.3 For sustainable growth</p>
<p>O: Attractiveness and skills development</p>	<ul style="list-style-type: none"> • Employee disengagement • Recruitment difficulties • Skills unsuited to the transformation of the company 	<ul style="list-style-type: none"> • Human aspects of CAP24 corporate project: development of feedback, skills vision, managerial communities, experimentation • LMS platform (Learning Management System) • Work/study programme • Employee engagement survey 	<p>5: Encourage the development of skills, diversity and quality of life at work for our employees</p>	<p>5.2 Developing skills, diversity and quality of life at work</p>
<p>R: Health, safety, and well-being at work</p>	<ul style="list-style-type: none"> • Poor quality of life at work • Inadequate labour relations 	<ul style="list-style-type: none"> • Listening to employees (CAP24 human project): periodic surveys measuring quality of life at work, adoption of the strategy. • Implementation of agreement on new work patterns (routines/pace, postures, right to disconnect, adaptation of workspaces, increase in remote working up to three days a week) • Internal communication: introduction of discussions and dialogue for managers (regional meetings, Live Managers) and employees (Live) 		
<p>O: Diversity</p>	<ul style="list-style-type: none"> • Discriminatory practices 	<ul style="list-style-type: none"> • 2020-2023 professional gender equality agreements • Gender equality index • Agreement to encourage integration and ensure equal professional career opportunities for people with disabilities • Policy on recognition of workers with disabilities: Hagir mission • Ethics policy 		
<p>R: Support for customers</p>	<ul style="list-style-type: none"> • Insufficient quality of service • Poor image of gas in decarbonisation of energy uses by our customers 	<ul style="list-style-type: none"> • Customer attentiveness and annual customer satisfaction survey • Gas consultation • "Customer at heart" approach aiming to develop a customer-centric culture in employees • Roadmap to support customers in their decarbonisation needs 	<p>6: Support our customers in their energy requirements and in converting their activities to net zero carbon</p>	<p>5.4. Business continuity and customer satisfaction</p> <p>2.1. Our climate strategy</p>

RISKS / OPPORTUNITIES	CSR RISKS	POLICIES / PRINCIPAL RESOURCES IMPLEMENTED	CSR COMMITMENTS	FOR MORE DETAILS
R: Support for regions	<ul style="list-style-type: none"> • No acknowledgement of GRTgaz as a player in the energy transition • Inadequate support for projects in regions • Poor image of natural gas and renewable gases 	<ul style="list-style-type: none"> • Inter-department regional strategic plans to develop renewable gas projects in regions and boost the acceptability of GRTgaz activities over time 	<p>7: Co-build sustainable energy solutions with local players</p>	<p>2.1 Our climate strategy</p>
R: Reputation and communication	<ul style="list-style-type: none"> • Inappropriate communication on the assets and externalities of renewable gases for institutional decision-makers • Media coverage of statements by detractors of the sector • Poor image of natural gas 	<ul style="list-style-type: none"> • Roadmap for communication on renewable gases • Communications campaign in favour of renewable gases • Media policy on press relations, social media, digital communications 		
R: Health and safety at work	<ul style="list-style-type: none"> • Serious and fatal accident involving an employee or service provider 	<ul style="list-style-type: none"> • Policy: "Our collective safety and industrial safety ambitions" • Safety inspection system (safety walkarounds and safety inspections) • Shared safety challenge to promote departments that are involved in risk prevention and control throughout the year • Awards ceremony to reward GRTgaz service providers whose safety performance on GRTgaz projects were remarkable 	<p>8: Ensure the safety of people and infrastructure and the continuity of our services</p>	<p>5.1 The safety of our teams and our service providers</p>
R: Network safety	<ul style="list-style-type: none"> • Industrial accident • Incidents relating to work by third parties near the GRTgaz network • Incidents relating to a network inspection and maintenance failure • Harm caused to health and safety of stakeholders (local residents, public works contractors) 	<ul style="list-style-type: none"> • Prevention, maintenance and monitoring policy under the Multi-fluid Order (governing the integrity of gas transmission pipelines) • 2017--026 ten-year inspection programme for all infrastructure • R&D work on techniques enabling the optimisation of GRTgaz maintenance activities (detection, analysis and repair of defects detected on pipelines), in particular in cluttered subsoils • Single online portal containing TSO data provided to receive work requests from all those planning such work via a declaration of intent to start work (DICT form) and inform the declaring companies. 	<p>8: Ensure the safety of people and infrastructure and the continuity of our services</p>	<p>5.3 The security of our network and our information systems</p>
R: Security of information systems	<ul style="list-style-type: none"> • Risk of cyberattack 	<ul style="list-style-type: none"> • Security management system (based on ISO 2700x) • IT system security policy 		
R: Risk management and business continuity	<ul style="list-style-type: none"> • Loss of security of supply to our customers • Non-suitability of infrastructure given the climate risks (heat waves, floods, etc.) 	<ul style="list-style-type: none"> • Business continuity policy and action plan 	<p>8: Ensure the safety of people and infrastructure and the continuity of our services</p>	<p>5.4 Business continuity and customer satisfaction</p>

RISKS / OPPORTUNITIES	CSR RISKS	POLICIES / PRINCIPAL RESOURCES IMPLEMENTED	CSR COMMITMENTS	FOR MORE DETAILS
<p>R: Business ethics and compliance</p>	<ul style="list-style-type: none"> • Refrain from acting independently in relation to Engie production and supply activities (compliance with Third Directive) • Non-transparency of conditions of access to the transmission network • Discriminatory application of the rules on access to the transmission network • Failure to preserve the confidential nature of commercially sensitive information • Conflicts of interest • Corruption • Supplier practices in contravention of GRTgaz ethics charter • All forms of discrimination and harassment • Fraud • Disclosure of any confidential information 	<ul style="list-style-type: none"> • Code of Good Conduct • GRTgaz ethics charter • Supplier ethics charter and due diligence procedure for suppliers most at risk of contravening human rights, health & safety and environmental protection requirements 	<p>9: Conduct our business with suitable ethics and compliance</p>	<p>5.5 Ethics and independence</p>
<p>O: Environmental protection and biodiversity</p>	<ul style="list-style-type: none"> • Pressure on biodiversity resulting from our activities • Lack of consistency with our commitments to combating climate change • Failure to apply the regulations concerning waste sorting by type 	<ul style="list-style-type: none"> • Business committed to nature Act4nature France • Partnerships with regional natural parks • Experimental conversion of delivery or isolation stations to zero pesticides • Experimental maintenance of easement strips to respect green and blue grids • Construction site and job site waste management procedures • Biodiversity footprint measurement 	<p>10: Protect the environment (excluding carbon) and biodiversity from the impacts of our activities</p>	<p>3.2 Limiting our impact on biodiversity</p>
<p>R: Integration and acceptability of infrastructure</p>	<ul style="list-style-type: none"> • Impacts of works and facilities on agriculture, the environment, urban development, etc. • Legal opposition to projects caused by the poor image of natural gas 	<ul style="list-style-type: none"> • Structured process to manage impacts and stakeholder relationships implemented for each construction project • Implementation of compensatory measures 		

7.4

Report by the Independent
Third Party SNFP**BM&A**11, rue de Laborde
75008 PARIS, FRANCEStatutory Auditor
Member of the regional institute of
statutory auditors of Paris**DELOITTE & ASSOCIES**6, place de la Pyramide
92908 PARIS-LA DEFENSE CEDEX, FRANCEStatutory Auditor
Member of the regional institute of statutory
auditors of Versailles and the Centre**GRTgaz**Limited company (SA)
6 rue Raoul Nordling
92270 Bois-Colombes, France**Statutory auditors' report on the statement of non-financial performance**

Financial year to 31 December 2023

For the attention of the General Management,

In our capacity as Statutory Auditors of GRTgaz SA (hereinafter the "Company") and following the request made to us, we have carried out work to give a reasoned opinion expressing a moderate assurance conclusion on the historical information (observed or extrapolated) in the statement of non-financial performance, prepared according to the entity's procedures (hereafter the "Reference Document"), for the year ending 31 December 2023 (hereafter respectively the "Information" and the "Statement"), presented in the Company's management report.

As your Company is controlled by a company which prepares consolidated financial statements in accordance with Article L. 233-16 of the French Commercial Code and publishes a consolidated statement of non-financial performance, it is not required to publish a Statement, but wishes to voluntarily comply with the provisions of Articles L225-102-1, R.225-105 and R225-105-1 of the French Commercial Code.

It is also our responsibility, at the Company's request, to express a reasonable assurance conclusion on the fact that certain information, selected by the Company and presented in the Statement, was prepared, in all material respects, in a true and fair way, in accordance with the Reference Document.

Moderate assurance conclusion on the statement of non-financial performance

On the basis of the procedures we applied, as described in the "Nature and extent of the work" section, and the information we collected, we did not detect any material misstatements likely to call into question the fact that the Statement complies with the applicable regulatory requirements, and the information as a whole is presented in a true and fair way, in accordance with the Reference Document.

Reasonable assurance conclusion on a selection of information included in the Declaration

In our opinion, the following information selected by the Company is presented in a true and fair way, in all material respects, in accordance with the Reference Document: scope 1 and 2 CO₂ emissions (methane emissions and compression energy).

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Preparation of the Statement

In the absence of any generally accepted and commonly used reference framework or established practices on which to rely to evaluate and measure the Information, different but acceptable measurement techniques can be used, which may affect comparability between entities and over time.

Consequently, the Information must be read and understood by reference to the Reference Document, the significant elements of which are presented in the Statement and available on the website or on request at the Company's head office.

Limits inherent in the preparation of the Information

The Information may be subject to a degree of uncertainty inherent in the state of scientific or economic knowledge and the quality of the external data used. Some data are sensitive to the methodological options, hypotheses and/or estimates used to establish them, which are presented in the Statement.

Company's responsibility

The Management is responsible for:

- selecting or establishing appropriate criteria for preparing the information;
- drawing up a Statement in compliance with the laws and regulations that the Company voluntarily complies with, including a presentation of the business model, a description of the main non-financial risks, a presentation of the policies implemented to control these risks and the results of these policies, including key performance indicators.
- preparing the Statement by applying the entity's Reference Document as mentioned above;
- as well as putting in place the internal control it considers necessary to establish Information that is free from material misstatements, whether due to fraud or error.

The Statement was drawn up by the Board of Directors.

Statutory Auditors' responsibility

On the basis of our work, our role is to give a reasoned opinion, expressing a moderate assurance conclusion on:

- the conformity of the Statement with the requirements of Article R. 225-105 of the French Commercial Code;
- the true and fair nature of the historical information (observed or extrapolated) provided by virtue of Article R. 225-105 I.3 and II of the French Commercial Code, namely the results of policies, including key performance indicators, and actions taken to address the principal risks, hereinafter the "information".

As it is our responsibility to formulate an independent conclusion on the Information as prepared by the Company, we are not authorised to be involved in the preparation of this Information, as this could compromise our independence.

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However, it is not our role to form an opinion on:

- compliance by the entity with the other laws and regulations applicable where appropriate, in particular those set out in Article L.225-102-4 of the French Commercial Code (due diligence plan) and in Law No. 2016-1691 of 9 December 2016, known as Sapin II (combating corruption) and regarding taxation, applicable to certain entities;
- the conformity of products and services with applicable regulations.

Regulatory provisions and professional doctrine applicable

Our work described below was carried out in accordance with the provisions of Articles A. 225-1 et seq. of the French Commercial Code, the professional doctrine of the French National Institute of Auditors (CNCC) and, for Deloitte et Associés, the International Standard on Assurance Engagements (ISAE) 3000 revised, "Assurance Engagements other than Audits or Reviews of Historical Financial Information" of the International Auditing and Assurance Standards Board (IAASB).

Independence and quality control

Our independence is defined by the terms of article L.822-11 of the French Commercial Code and the professional auditors' code of ethics. Furthermore, we have set up a quality control system integrating documented policies and procedures to ensure the application of the applicable legal and regulatory texts, ethical codes and the professional doctrine of the CNCC relative to this operation.

Means and resources

Our work required a six-person team and was carried out between January and March 2024, with a total time spent of four weeks.

To assist us in completing our work, we requested the assistance of specialists in sustainable development and corporate social responsibility. We held around a dozen interviews with the people responsible for preparing the Statement, representing in particular the CSR, compliance, human resources, health and safety, environment and procurement divisions.

Our work required the use of information and communication technologies to make it possible to carry out the work and interviews remotely without this hindering their performance.

Nature and scope of our work

We planned and carried out our work with regard for the risk of material misstatements in the Information.

We consider that the procedures we conducted while exercising our professional judgement enable us to express a moderate assurance conclusion.

- We examined the Company's business and the presentation of the principal risks.
- We assessed the suitability of the Reference Document in terms of its relevance, completeness, reliability, neutrality and understandability, taking into consideration best practices of the sector where necessary.
- We checked that the Statement covers each category of information specified in Article L. 225-102-1 III on social and environmental matters, and includes, where appropriate, a justification for the absence of information required by Article L.225-102-1 III.2.
- We checked that the Statement includes the information specified in Article R. 225-105 II, if it is relevant in view of the principal risks.
- We checked that the Statement presents the business model and a description of the principal risks associated

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with the business of the whole of the Company, including, when appropriate and proportionate, the risks generated by its business relationships, products or services, policies, actions and results, including key performance indicators relating to the principal risks.

- We consulted the documentary sources and conducted interviews to assess the process for selecting and validating the principal risks and the coherence of the results, including the selected key performance indicators, with regard to the principal risks and policies presented, and to corroborate the qualitative information (actions and results) that we considered to be the most important¹.
- We investigated the internal control and risk management procedures put in place by the entity and assessed the collection process, focusing on the completeness and the truth and fairness of the Information;
- For the key performance indicators and other quantitative results we considered to be the most important², we implemented:
 - analytical procedures consisting in verifying the correct consolidation of data collected and the consistency of their trends;
 - detail tests based on samples or other methods of selection, consisting in verifying the correct application of definitions and procedures, and reconciling data with the supporting documentation. This work was carried out on GRTgaz, the only company contributing to the Statement.
- We assessed the consistency of the whole Statement with our knowledge of the Company.

¹ Commitment 5: 2023 sandwich course agreement, Commitment 8: Policy and procedures, Commitment 8: Cybersecurity policy, Commitment 9: Guidelines for participation in group events, Commitment 10: GRTgaz environmental policy.

² **Social information:** rate of employees trained, rate of employee commitment, gender equality index, rate of feminisation, sandwich course rate, employee frequency rate, service provider frequency rate, % of new recruits made aware of cybersecurity per year, % of teams trained in ethical risks and compliance, number of ethical incidents reported.

Environmental information: CO2 emissions within the manageable scope of GRTgaz - manageable scope 3 emissions, annual production capacity of renewable gas connected to the networks in TWh per year, cost of injection and reverse flow facilities, % of capital expenditure (CAPEX) dedicated to renewable gas and the carbon trajectory, number of partnerships with customers (industry and mobility scope) relating to decarbonisation, number of pilot & demonstrator projects to give concrete expression to the emergence of new gases in the territories, number of km of pipelines for which the fitness for service has been renewed, % of sites converted using alternatives to synthetic pesticides, waste recovery rate.

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We consider that the information we obtained is provides a sufficient and appropriate basis for our opinion. The procedures implemented in order to obtain moderate assurance are less extensive than those required for reasonable assurance carried out in accordance with the professional doctrine of the CNCC; a higher level of assurance would have required more extensive verification work.

At the Company's request, we carried out additional work to enable us to express a reasonable assurance conclusion on the following information: scope 1 and 2 CO₂ emissions (methane emissions and compression energy).

The work carried out was of the same nature as that described in the section above on moderate assurance, but more in-depth, in particular with regard to:

- analytical procedures consisting in verifying the correct consolidation of data collected and the consistency of their trends;
- detail tests carried out based on samples, consisting in verifying the correct application of definitions and procedures, and reconciling data with supporting documentation.

The sample selected therefore represents 57% of the information covered by the reasonable assurance conclusion.

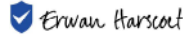
Paris, 22 March 2024
The Statutory Auditors,

For BM&A


Marie-Cécile Moinier
Partner

For Deloitte & Associés


Nadia Laadoui
Partner


Erwan Harscoet
Partner

Crédits photo : GRTgaz (Vincent Thierry, Rostand Jacques, Marechaux Luc, Pierre-Olivier, Dureuil Philippe, Azmoun Hamid, Garroni Parisi Cecilia, Lecuyer Alban, Boulze Christophe, Krieger Vincent, Dunouau Franck, Cabanel Jerome, www.leuropeueduciel.com, Aktua Prod / Garet Guillaume, Fleury Pierre, Jacques Olivier, Brandel Gregory).

Conception et réalisation : éditions stratégiques - 01 49 48 97 98.

GRTgaz février 2024.





GRTgaz

a limited liability company with
share capital of €639,633,420

Registered office:

6, rue Raoul Nordling

92270 Bois-Colombes

440 117 620 RCS Nanterre