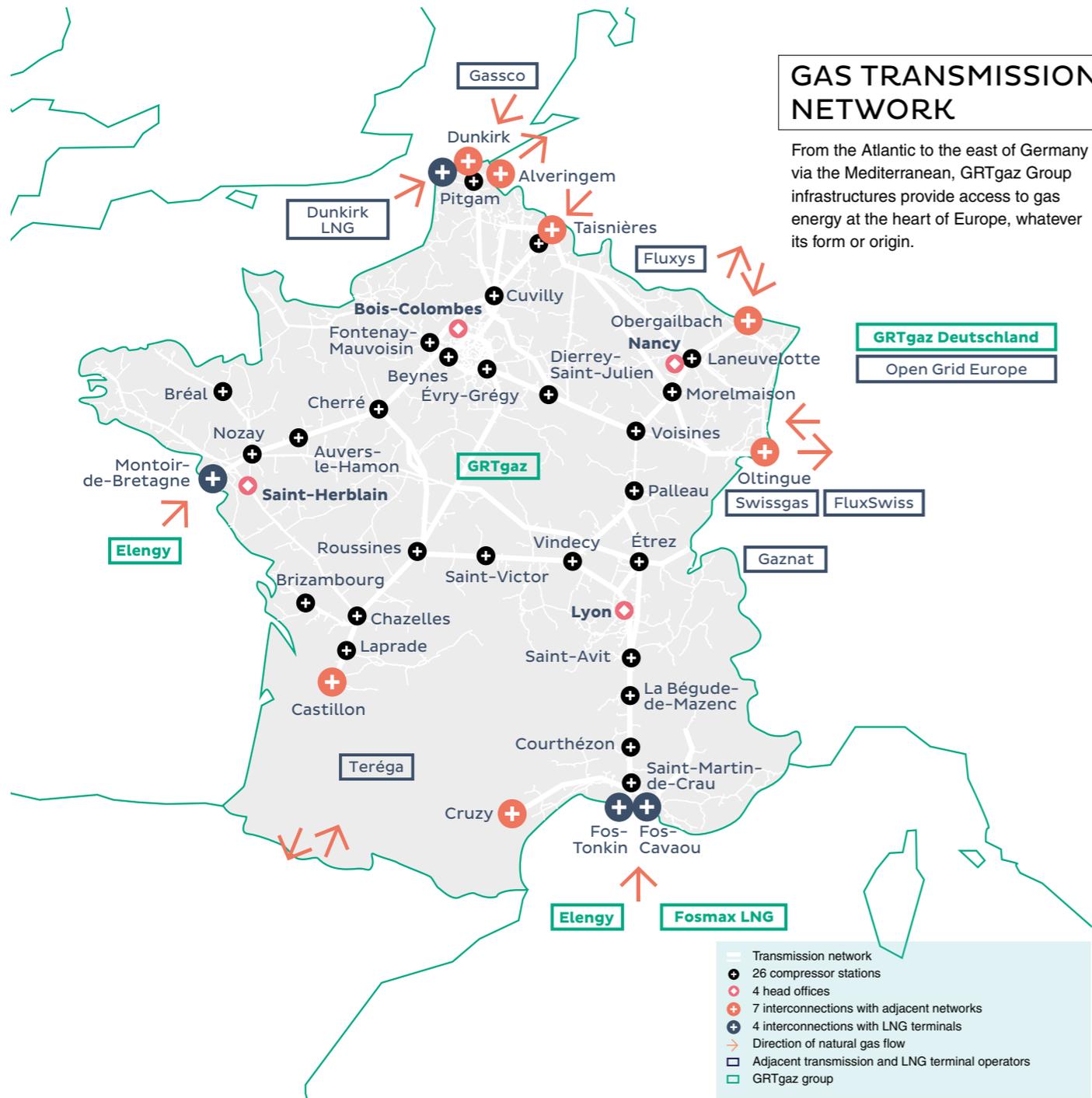




# OVERVIEW

2022





OUR CORPORATE PURPOSE

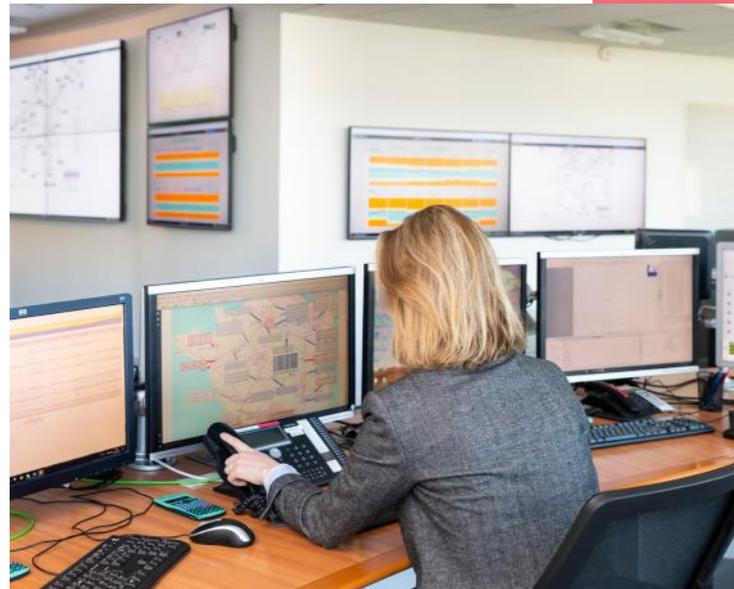


**"Together, enable a secure, affordable energy future that is climate-neutral."**

**Our primary mission is to guarantee the safety and performance of the French gas system.** As a socially responsible player, we take tangible action in favour of the environmental transition. We support the emergence of French renewable gas and low-carbon hydrogen industries and by doing so open up new areas of responsibility. Our objective is to achieve carbon neutrality by 2050. We aim to make our corporate purpose the subject of all dialogue and mobilise all possible initiatives in the service of future generations, combining performance and sustainable development.

# Serve the public interest

Acting for the common good is a core aspect of our public service missions. We organise gas flows and trade to maintain a daily balanced energy system across the country and its territories.



"Our national dispatching service controls gas flows 24 hours a day, 7 days a week."

## We ensure that gas is delivered throughout France

We manage a high-pressure pipeline network stretching over 32,500 km. It is connected to the Norwegian, Belgian, German, Italian (via Switzerland), and Spanish (via the Teréga network) transmission networks, to 14 underground storage sites and 4 LNG terminals on the French coast, and to the low-pressure distributor networks. We supply over 700 industrial customers including electricity producers, and collect biomethane from over 46 producers. The diversification of our supply sources guarantees that the gas distributed in France is competitive.

## We manage the performance, balance, and continuity of supply.

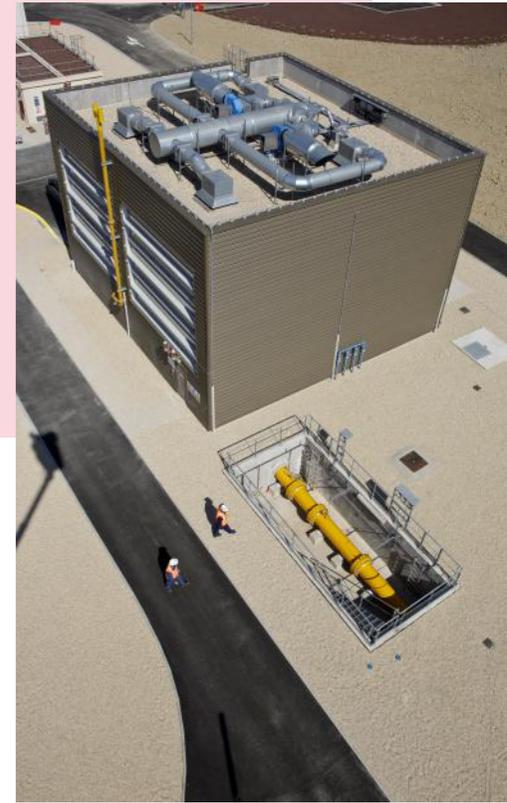
Our national dispatching service controls the gas flows 24 hours a day, 7 days a week. It controls the main transmission system devices to ensure continuity of supply. Every 150 to 200 km, compressor stations push gas through the pipelines under the suitable pressure conditions.

# 26

compressor stations equipped with measurement, control, and safety systems

## Industrial safety is our constant concern

Our network is under continuous surveillance, via our regional supervision centres or in the field via foot, vehicle-based, and air patrols (planes, helicopters, drones). The 26 compressor stations are equipped with measurement, control, and safety systems. To prevent the risks associated with earthworks, we mark the route of our pipes with yellow markers and signposts on the surface. We are committed to providing information to local residents and stakeholders concerning our sites and



facilities, concerning their obligations to declare work projects (DT)\*. Companies that have declared their intention to start work (via a DICT form) are then systematically accompanied on site.

\* To declare your work projects, go to: [www.reseaux-et-canalisation.gouv.fr](http://www.reseaux-et-canalisation.gouv.fr)

# 716

active industrial customers in 2021



**We are preparing our network to receive new zero-carbon gases**

The GRTgaz network accommodates a rising volume of locally produced biomethane, notably using materials produced by farms. We also support the development of renewable gas processes that can be used to recover other types of solid waste (pyrogasification) or wet waste (hydrothermal gasification). We are also extensively involved in the development of the low-carbon and renewable hydrogen sector in France and are already designing the hydrogen infrastructures of tomorrow.

**We deliver solutions suited to each of our customers**

GRTgaz operates transparently within a regulated framework, without discrimination towards our customers. The Energy Regulation Commission (CRE) sets the public use tariffs for networks, supervises our investments and verifies the quality of the service rendered. Our clients are diverse and include energy suppliers or traders, network operators or local distributors supplying industrial or private consumers, industrial operators from all sectors of activity, and finally biomethane producers (mostly from the industrial sector or farmers).



**Find out more**

**About our customers and their expectations:** Go to p.27 of the integrated report [www.grtgaz.com](http://www.grtgaz.com) > Media > Publications

**Gas at the service of industry and mobility on** [www.youtube.com](https://www.youtube.com)

**Reverse flow, a new solution in the development of renewable gas** on [www.youtube.com](https://www.youtube.com)



**630 TWh**

Quantity of gas transported

**93%**

of customers are satisfied and have a positive impression of GRTgaz\*

\* Results of 2021 customer satisfaction survey

**1,500**

experts and technicians take the day-to-day actions necessary to ensure network performance and reliability

# Act responsibly

In line with our corporate purpose, we are aware of the environmental impacts of our business and are committed to reducing the carbon footprint of the entire gas chain to achieve our ambition of carbon neutrality.



"The path towards carbon neutrality is at the heart of the GRTgaz long-term strategy."

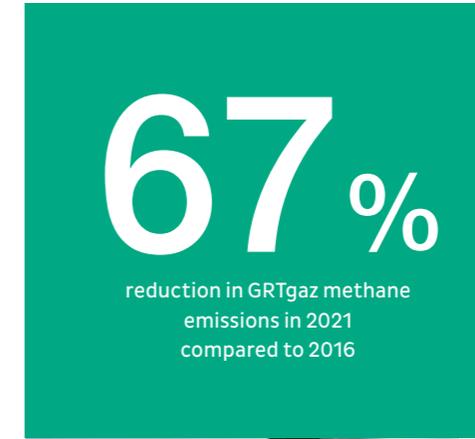


### We integrate corporate social responsibility (CSR) into our activity management

Our CAP24 corporate project and our CSR charter set out our commitments to reduce our carbon footprint. We are taking action to further reduce our methane emissions, converting our fleet to (bio)NGV when eligible vehicles are renewed and recovering the waste generated by our work projects. We have long been committed to protecting biodiversity alongside numerous institutional partners.

### We are committed to maximising the local economic impacts of our activities

In 2021, our responsible procurement policy resulted in €42 million in orders to French companies, including €72 million to SME and €1.5 million to the protected employment sector. GRTgaz is a signatory of the responsible supplier relations charter and is committed to respecting payment deadlines, particularly with small companies.



### We aim to fulfil our ambition to be carbon-neutral

The path towards carbon neutrality is at the heart of the GRTgaz long-term strategy. We support our customers and local players in achieving their objectives in terms of energy transition, waste management, and clean mobility. Our teams work hard to implement gas solutions generating lower carbon content in their industrial and mobility uses.



# Innovate for the energy transition

The energy transition requires innovation and the mobilisation of an array of initiatives for the benefit of future generations. We are committed to research, experimentation, digital technology and the diversification of our activities, to make progress on a daily basis and help meet the challenges of our customers, regions, and the planet.



## Find out more

[Syngas injection by pyrogasification](#) on [www.youtube.com](http://www.youtube.com) 

[Hydrothermal gasification](#) on [www.youtube.com](http://www.youtube.com) 

[Developing regional hydrogen ecosystems](#) on [www.youtube.com](http://www.youtube.com) 

### THE CHALLENGE OF DECARBONATION

Industrial customers of GRTgaz must reconcile economic and environmental performance. Working alongside them in their consideration of energy efficiency and making their activities carbon neutral, GRTgaz delivers solutions compatible with circular economy concerns and the relocation of some of their activities.

### We are developing numerous research programmes

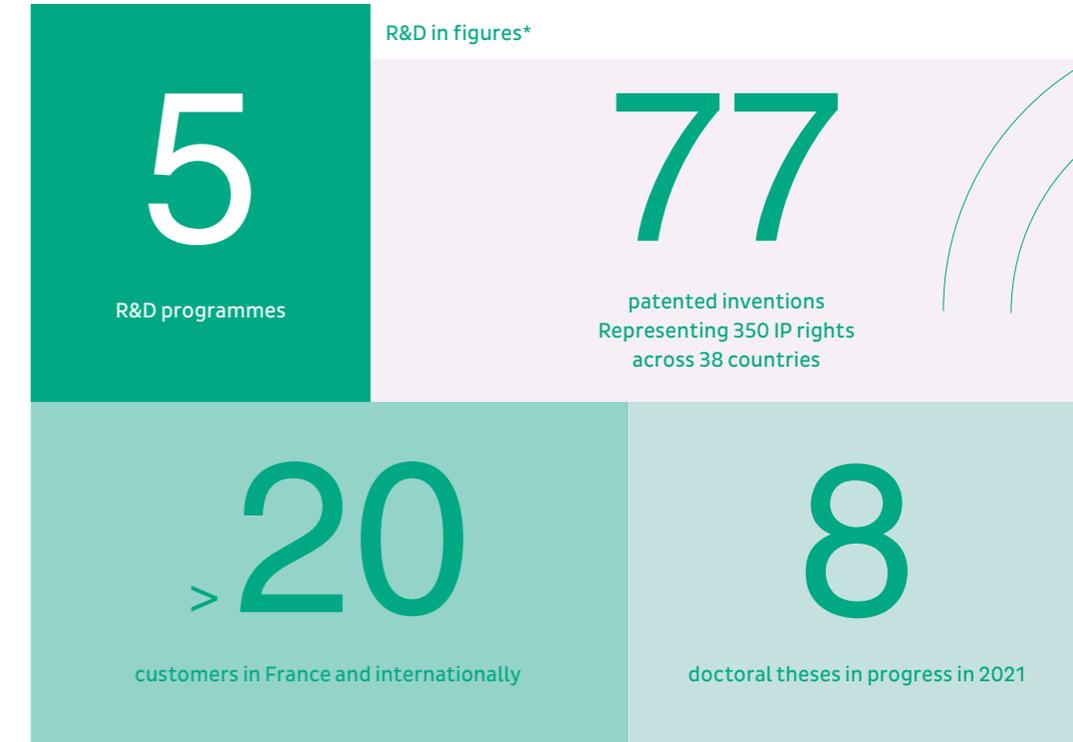
Our Research & Innovation Centre for Energy (RICE) is an international player in gas research and innovation. Using leading-edge technical resources, RICE provides tailor-made services and manages programmes that contribute to operational excellence, industrial safety, and the emergence of new processes in the fields of renewable gases, energy storage, and smart grids. About 100 researchers and experts cooperate with research organisations worldwide and participate in several European R&D programmes. An open and collaborative innovation policy involving public and private sector partners.

### We believe in the power of collaborative innovation

Working alongside innovative external partners - large industrial groups, research organisations, and universities - helps us to deliver solutions to our business-related issues. Our Open Innovation Factory's calls for projects from start-ups, SMEs, mid-cap companies and laboratories generate numerous experiments, developments, and solution patents. Every staff member can also contribute to innovation by getting involved in the search for solutions via a collaborative platform.

### We seek to generate initiatives in regions concerning renewable gases and hydrogen

We put our expertise at the service of local players to support them in the development of different forms of production and renewable gas uses (anaerobic digestion, gasification of solid or liquid waste, hydrogen transport, carbon-neutral industry, clean mobility, etc.). We believe in a multi-energy transition customised to local ecosystems and embedded in a circular economy approach.



\*RICE figures

### HYDROGEN: A SIGNIFICANT FUTURE ROLE IN THE GAS MIX

To achieve a carbon-neutral gas mix in 2050, GRTgaz is preparing the future conditions for the conversion of its network and the injection of significant volumes of hydrogen. On a European scale, transport system operators anticipate the need for a "hydrogen backbone" linking European hydrogen valleys, which could reach 53,000 km by 2040. By this time, the European hydrogen backbone should comprise approximately 60% of existing gas pipelines converted to hydrogen, along with 40% new hydrogen pipelines. At the beginning of 2021, in collaboration with Creos Deutschland and the Luxembourg energy group Encevo, GRTgaz introduced the "Grande Region Hydrogen" initiative to help create this future European integrated hydrogen network.

# Combining well-being and performance for our employees and contractors

We believe that the challenges of the environmental and digital transformation of our company, alongside the requirement for performance, must be compatible with the individual and collective fulfilment of each person. Our values commit us to combine well-being and performance and to ensure a safe and fulfilling work environment, inclusive of all forms of diversity.



"GRTgaz is one of the Top 40 companies that welcome and respect applicants."

(ChooseMyCompany)

## We guarantee the health and safety of our employees and contractors

The health and safety of employees and contractors working at our facilities is a priority. A management and governance system is implemented at all levels of the Group to manage occupational health and safety risk. As part of a preventive approach, safety walkarounds aim to develop the safety culture of all employees.



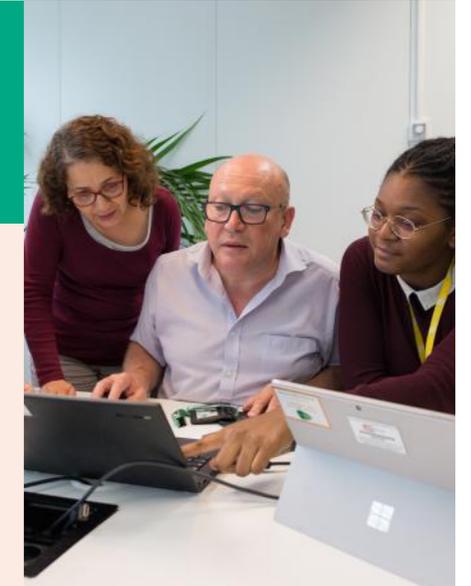
## We offer a positive and stimulating working environment

We are convinced that putting human relations at the heart of our corporate culture is a powerful lever for employee engagement. A positive and stimulating work environment makes people want to get involved and stay involved for the long term. The development of soft skills such as creativity, adaptability, critical thinking, and collaboration, provides the keys to successful career development. Trust, exemplary behaviour, transparency, and constructive feedback are core values in our management project.



94

Gender equality Index\* in 2021



4.2%

RQTH\*\* rate in 2021

## We stand for the inclusion of all forms of diversity and for equal opportunities

Fostering inclusion within the company is a duty in terms of social responsibility, but above all a necessity for our company performance. Our workforce must reflect the plurality and diversity of society. For this reason, three diversity objectives are included not only in our CSR commitments but also in the profit-sharing agreement for each employee: the recruitment of workers with disabilities on permanent and fixed-term contracts, the percentage of women on permanent contracts and the percentage of women on work/study programmes.

\* Index based on 100 points

\*\* Recognition of workers with disabilities

# Engaged alongside our stakeholders

We work with regional players to co-build future solutions and reconcile the interests of as many people as possible. We develop consultation, ensure transparency on the positive and negative impacts of our activities, while providing all the energy data essential for forward planning and actions.



# 85%

of territorial decision-makers consider that renewable gases contribute to economic development and job creation in their territories (2021 figures)

## We cooperate with our stakeholders

A tried and tested consultation process with all players in the gas chain (traders, shipper customers, industrial customers, gas-fired electricity producers, renewable gas producers, operators of gas infrastructures adjacent to our network and public authorities), at each stage of the preparation of a proposal or the construction of our investment plan, ensures that everyone's views are incorporated and contributes to better service.

## We support local decision-makers

Through our regional offices, we assist local decision-makers in their energy planning activities. We inform them about the potential of gas and the flexibility of the gas system in a multi-energy approach. We support them in ensuring a virtuous environmental transition to serve regions. To this end, we provide data (open data) and conduct prospective studies related to the deployment of renewable gases, hydrogen and new uses (e.g. (bio)NGV fuelling stations).

"We aim to support the place of hydrogen and renewable gases in a European energy mix aiming to achieve carbon neutrality for the continent in 2050."

## We seek to understand and integrate the expectations of civil society

A stakeholder committee, comprising nine qualified individuals from the sectors of agriculture, industry, environment, innovation, and social sciences, provides GRTgaz Executive Management with advice on transformation issues concerning the company or society as a whole.

## We communicate with European decision-makers

We aim to support the place of hydrogen and renewable gases in a European energy mix aiming to achieve carbon neutrality for the continent in 2050. The Green Deal,



whose ambition is to reconcile the European economy with environmental concerns, is one of the major topics on the agenda of our European Office. Our European Office, in coordination with other European transmission system operators, is working on future GRTgaz projects to highlight the contribution of new gases to carbon neutrality, and to share our vision of the role of gas infrastructures in connecting the energies of the future.

# Expanding our action beyond the French gas networks

Accelerating the energy transition: our ambition is also reflected in our subsidiaries.

## **ELENGY, LEADER IN LNG TERMINALS IN EUROPE**

Elengy is an expert in Liquefied Natural Gas (LNG) and operates the three regulated LNG terminals in France, Montoir-de-Bretagne on the Atlantic coast, Fos-Cavaou and Fos-Tonkin on the Mediterranean. As the entry points for LNG in Europe, these three sites offer the market optimum flexibility for unloading or loading any type of LNG carrier, transshipments between LNG carriers, loading tankers with LNG or regasification of LNG for injection into the transmission network. Elengy is developing its services by investing in the development of bio-LNG activities to reduce the environmental footprint of players and prepare the transition to a carbon-neutral supply by 2050.

## **GRTGAZ DEUTSCHLAND, A STRATEGIC PLAYER IN EUROPEAN GAS TRANSMISSION**

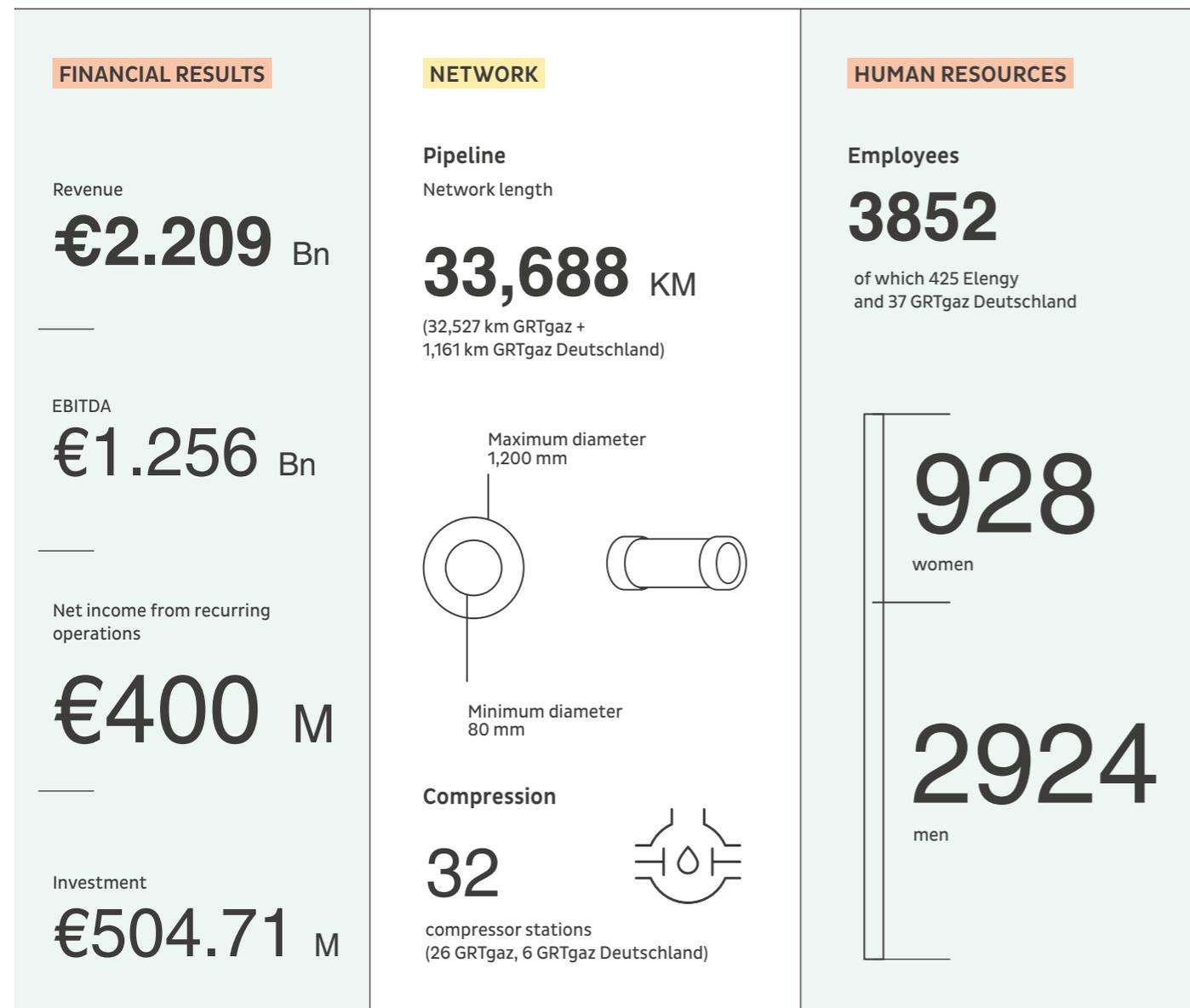
Our GRTgaz Deutschland subsidiary operates the MEGAL pipeline, which crosses Germany from East to West and connects it to the Czech Republic and Austria. This high-capacity artery connected to the GRTgaz network carries gas to France and is the backbone of the gas transmission system in southern Germany. GRTgaz Deutschland contributes to the energy transition and the development of carbon-neutral gas transmission by cooperating with other German transmission system operators to build a transmission infrastructure for hydrogen and green gases:

- The German TSOs anticipate a hydrogen transport network of about 5,900 km, over 90% of which is based on existing pipelines and connected to the hydrogen backbone;
- The MosaHYc project, supported by GRTgaz, Creos Deutschland and GRTgaz Deutschland, will enable the creation of a first hydrogen valley between France and Germany.

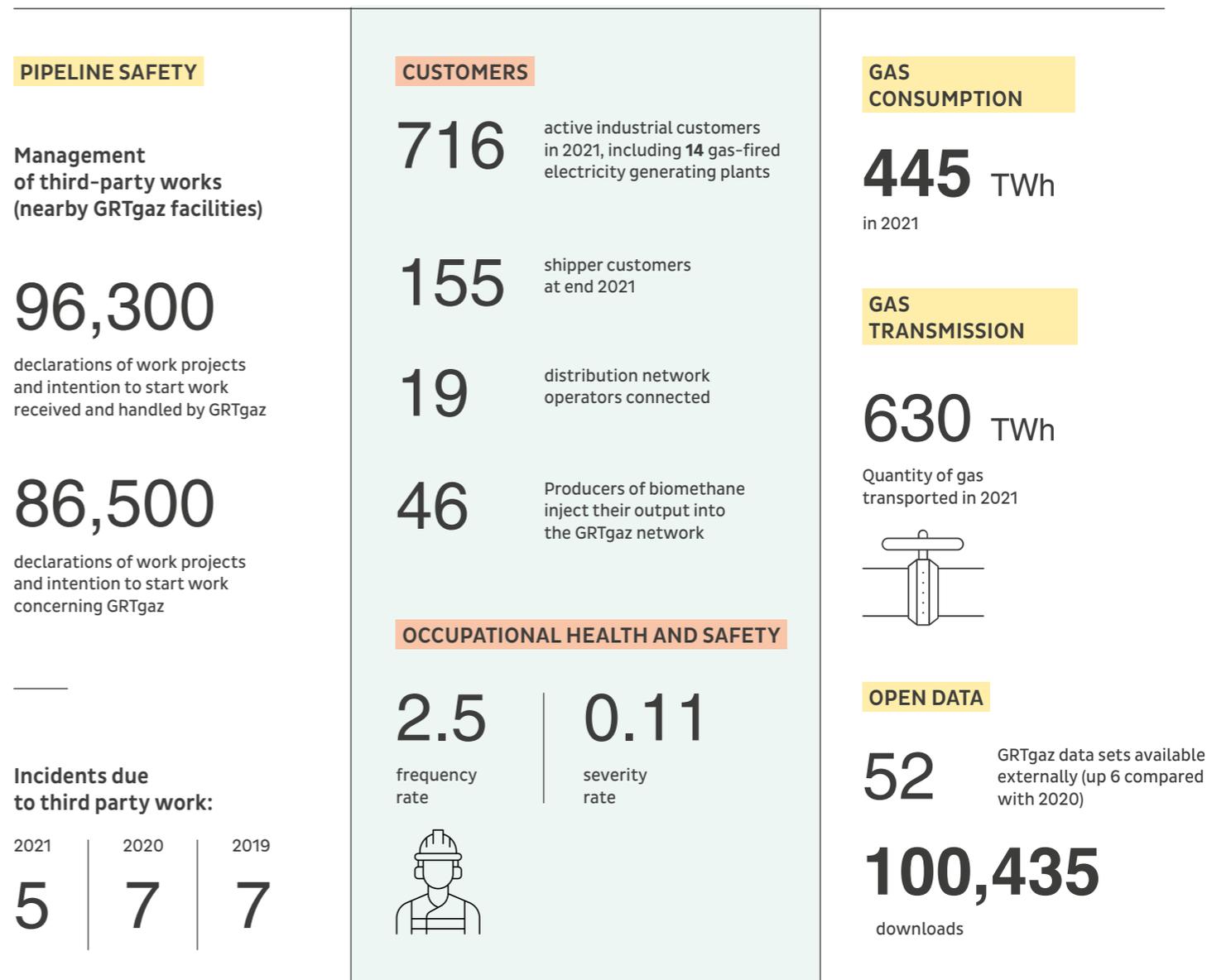


# 2021 key figures:

GRTgaz group scope (GRTgaz, Elengy, GRTgaz Deutschland)



GRTgaz France scope



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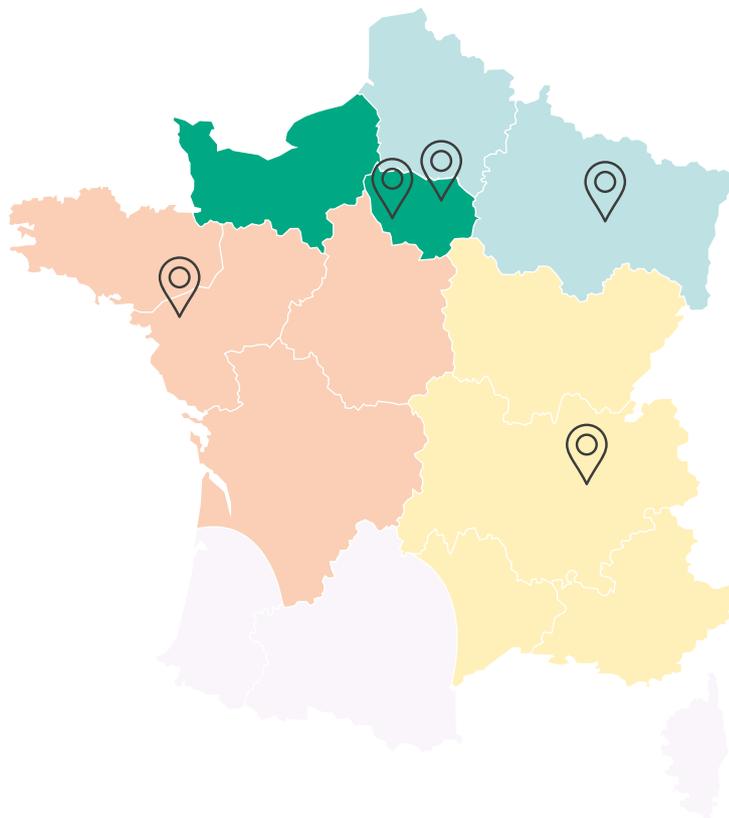
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