NETWORKS AT THE HEART OF ENERGY SECURITY AND THE ENERGY TRANSITION

Beynes underground aquifer storage site, France

Cover: Electricity transmission lines, Brazil

INFRASTRUCTURE AT THE HEART OF ENERGY SOVEREIGNTY AND COST CONTROL

Networks are a vital part of the energy transition and energy security: essential for delivering increasingly low-carbon energy and for connecting production sites to consumption zones.

ENGIE's networks reflect the diversity of energy sources – electricity, natural gas, renewable and low-carbon gases and operate at every scale, from major national transmission grids to distribution networks, including strategic facilities such as import terminals and storage infrastructure. **ENGIE designs, develops and operates these networks and infrastructure to the highest standards of reliability and performance**.

The demands of the energy transition are bringing new challenges, both technological, notably to incorporate green molecules and variable electricity production, and economic, due the substantial investment required for roll-out.

Through its 500,000 km of gas and electricity transportation and distribution networks, ENGIE's aim is to guarantee a supply for its customers at the best possible price, to contribute to the energy sovereignty of the countries in which the Group operates and to support regional development.

ARCHITECT OF FUTURE ENERGY NETWORKS

EXCEPTIONAL INDUSTRIAL STRENGTHS

- **At the heart of ENGIE's integrated model**
- **Regulated and resilient** activites that create long-term value
- **Major annual investments**: maintenance, modernisation, adaptation and development of new infrastructure

OUR COMMITMENTS

- Guarantee the **operational performance** of the Group's gas and electricity infrastructure
- Accelerate the **development** of electricity networks
- Adapt gas infrastructure to **gradually integrate green molecules** (biomethane, H_2)
- Accelerate the production of renewable gases and increase the **production capacity** of our plants to reduce costs

Beynes storage site, France

NETWORKS: THE BACKBONE OF THE ENERGY SYSTEM

GAS
INFRASTRUCTURE

For importing, transporting, storing and distributing gas, vital for the smooth operation and resilience of the energy system

STORAGE

LNG TERMINALS

TRANSPORTATION

DISTRIBUTION

BIOMETHANE

ELECTRICITY
INFRASTRUCTURE

Essential for supporting the decentralisation of production assets and growing end-use electrification

TRANSPORTATION

DISTRIBUTION

NETWORK SERVICES

GAS INFRASTRUCTURE: THE CORNERSTONE OF ENERGY SUPPLY AND SECURITY

ADAPTING THE EXISTING NETWORK

Gas infrastructure plays a key role in supplying energy to the public and industry. It plays an essential role in energy sovereignty. Building on existing networks offers a practical way to support the energy transition at a manageable cost. Today, infrastructure is being adapted to enable the roll-out of renewable gases (biomethane and eventually hydrogen), contributing – alongside the electrical grid – to an increasingly low-carbon, resilient and economically sustainable energy system.

STORAGE: A CRUCIAL ASSET FOR SECURITY OF SUPPLY

Underground gas storage plays an essential role in the security of the energy supply. These operations, carried out by **Storengy, a wholly-owned subsidiary of the Group**, help ensure the physical availability of gas across the country to meet demand during the winter months, when consumption is at its highest.

Through its subsidiary, ENGIE has a **storage capacity of 136 TWh in Europe**, 100 TWh of which is in France, equivalent to **one third of annual national gas consumption**.

Storengy operates 21 sites in Europe:

- 14 in France
- 6 in Germany
- 1 in the United Kingdom

The Group also operates a site in Romania.

METHANE TERMINALS: LNG GATEWAYS INTO EUROPE

Liquefied natural gas (LNG), which has become essential given the need to diversify natural gas supplies following the 2022 energy crisis, requires specialised facilities. ENGIE operates **4 LNG terminals worldwide**, 1 in Chile and 3 in France through its subsidiary Elengy: Montoir-de-Bretagne on the Atlantic coast, and Fos Tonkin and Fos Cavaou on the Mediterranean coast.

These three sites offer optimum flexibility for unloading or loading LNG carriers, transhipment between LNG carriers, loading LNG tanker trucks and regasifying LNG for injection into the transportation network.

TRANSPORTATION: A NETWORK SERVING INTERCONNECTED REGIONS

ENGIE operates natural gas transportation networks in Europe (France and Germany), Brazil and Mexico. Through its **independent subsidiary NaTran, in which the Group holds a 61% stake**, ENGIE operates Europe's largest high-pressure natural gas transportation network, including 32,600 km in France. It serves all regions of the country, as well as all economic stakeholders, major industries, power stations and distribution networks.

Interconnected with France's neighbouring countries (Norway, Belgium, Germany, Switzerland, Italy via Switzerland, and Spain via the Teréga network) and **linked to LNG terminals and storage facilities**, NaTran's transportation network strengthens solidarity between countries and contributes to a more efficient use of energy resources, thereby supporting European competitiveness.

- **Almost 40,000 km of networks** worldwide
  - 4,500 km of networks in operation in Brazil
  - 1,300 in Mexico
  - nearly 1,200 in Germany
- **623 TWh of gas** transported in 2025
- **700 active industrial customers**

IN FIGURES

No. 1
gas transportation and distribution network in Europe

No. 1
European natural gas storage operator

No. 1
biomethane distributor in France

No. 2
European LNG terminal reception capacity

BIOMETHANE: LOCALLY PRODUCED GREEN GAS

ENGIE is committed to the **development and operation of biomethane production sites**, drawing on recognised expertise across the entire value chain.
The Group is developing local biomethane production projects, while accelerating the industrialisation of its plants in order to contribute to decarbonisation and regional self-sufficiency.

- **42 production sites**
  - 35 in France
  - 4 in the United Kingdom
  - 2 in the Netherlands
  - 1 in Belgium
- **6 countries prioritised for development in Europe**
  - France
  - United Kingdom
  - Netherlands
  - Belgium
  - Poland
  - Spain
- **1.2 TWh of annual production capacity in Europe**

DISTRIBUTION: THE FINAL LINK, CLOSE TO THE POINT OF USE

The distribution network is the final link in the gas supply chain, responsible for delivering energy to the point of use.
ENGIE is the majority operator of the distribution network in France through **GRDF, an independent, wholly-owned subsidiary of the Group**.
It also owns **international gas distribution networks**, with Distrigaz Sud Rețele, Romania's leading network, and GASAG in Germany. In Mexico, the Group operates networks in key economic regions across the country (Bajío, Mexico City, Jalisco, Puebla-Tlaxcala, Querétaro, Reynosa-Matamoros, Tampico and Mérida).

INVESTING IN THE FUTURE

Today, gas infrastructure is evolving to support the energy transition.
Through its subsidiaries, ENGIE is investing in:

- the connection of biomethane injection sites, with more than **800 production units connected to its networks in France**, thereby contributing to the roll-out of renewable gas;
- **hydrogen transportation networks**, based both on the conversion of existing gas pipelines and on the creation of new European corridors, notably through the BarMar project;
- projects relating to the **transportation, liquefaction and storage of CO_2**.

IN FIGURES

Distribution network spanning **~262,000 km**
including

209,000 km
operated by
GRDF in France

24,300 km
operated by
Distrigaz Sud Rețele
in Romania

14,300 km
in Mexico

14,300 km
operated
by GASAG
in Germany

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14 million customers
including

11 million
in France

2.3 million
in Romania

0.7 million
in Mexico

673
biomethane injection sites connected
to the GRDF network

14.5 TWh
of annual biomethane capacity
connected to ENGIE's networks
in France

TARGETS

ADAPT networks for future use:

- **50 TWh** of biomethane capacity connected to ENGIE's networks in France by 2030
- **700 km** of dedicated hydrogen networks by 2030
- Renewable hydrogen storage capacity of **1 TWh** in Europe by 2030

ACCELERATE
renewable gases production

10 TWh
of annual biomethane production capacity in France and Europe by 2035

ELECTRICITY NETWORKS: THE KEY TO END-USE ELECTRIFICATION

ENGIE has made **the development of electricity networks one of the priorities of its strategy**. In South America, ENGIE already installs and operates power transmission lines and substations. More recently, the Group has expanded its operations into electricity distribution with the **acquisition of UK Power Networks**, a leading electricity distributor in the United Kingdom, covering London, the South-East and the East of England.

Inspecting the Ponta Grossa 525 kV transformer substation, Brazil

A CENTRAL ROLE

At the heart of the energy transition, electricity networks play a central role in ensuring the balance and efficiency of the system. Firstly, they enable the **large-scale integration of renewable energy, by connecting decentralised and variable production sources** – such as wind or solar power – **to areas of consumption**. They are also essential for supporting the growth of new applications, whether in electric mobility, the electrification of industrial processes or the development of data centres, by ensuring they are connected to a safe power supply. Finally, networks help **improve the reliability of the electricity system by ensuring a real-time balance between supply and demand**.

OPERATIONAL PRIORITIES

- **Strengthen the Group's industrial approach** to ensure greater consistency and impact in its operations, maintenance and project management.
- **Accelerate the standardisation** of methods, processes and tools in order to ensure clear standards and alignment across countries and functions.
- **Integrate digital technology** to improve and enhance the reliability of predictive maintenance on transmission lines.

IN FIGURES

Nearly 8,000 km of high-voltage power lines, including:

~6,000 km
in operation

~1,600 km
under construction

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80 substations

55 in operation

25 under construction

Through **UK POWER NETWORKS**:

8.5 million
households and businesses connected in London, the South-East and the East of England

71 TWh
of electricity supplied per year

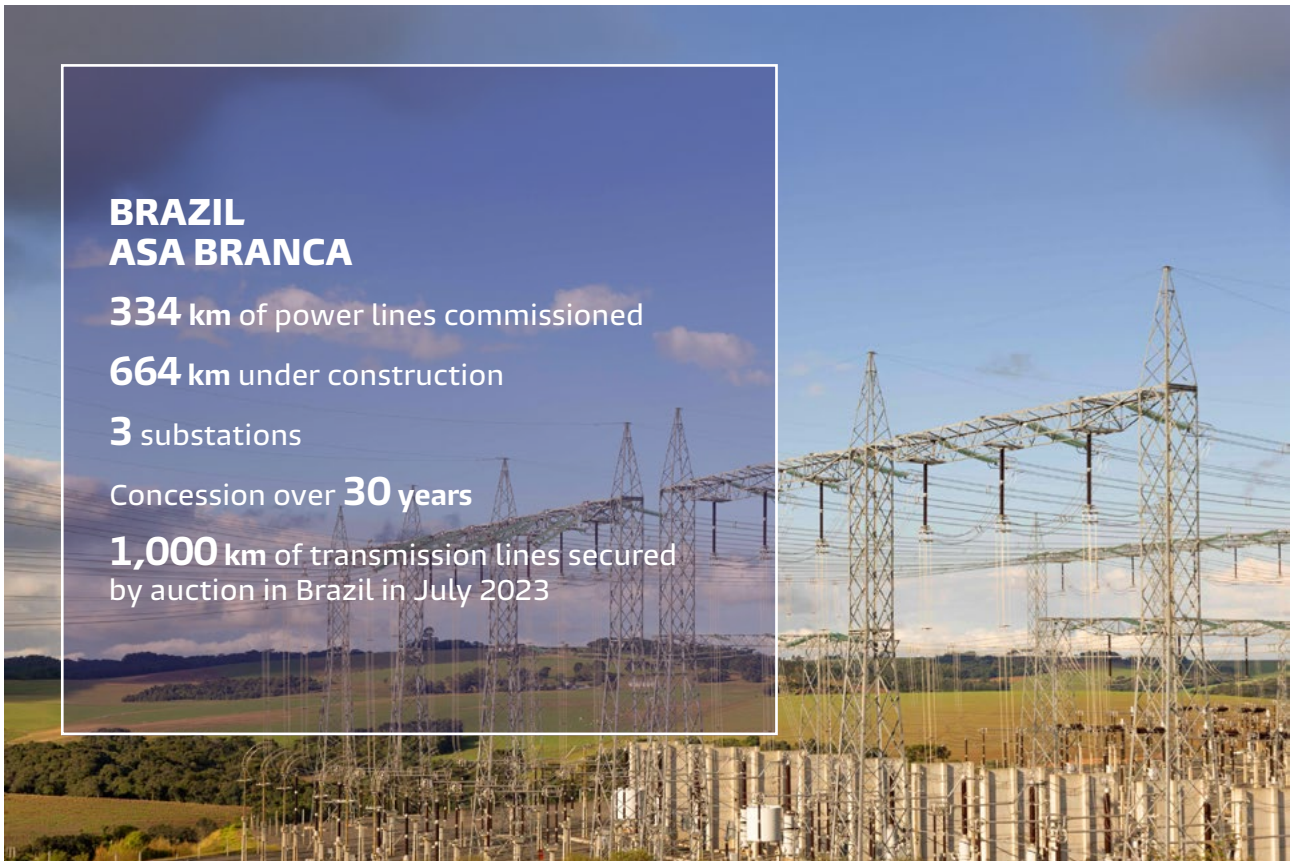
192,000 km
of networks,

almost **80 %** of which are underground

TARGET

10,000 km
of electricity transmission lines in operation by 2030, mainly in South America

AT THE HEART OF TOMORROW'S INFRASTRUCTURE



BRAZIL
ASA BRANCA

334 km of power lines commissioned

664 km under construction

3 substations

Concession over **30 years**

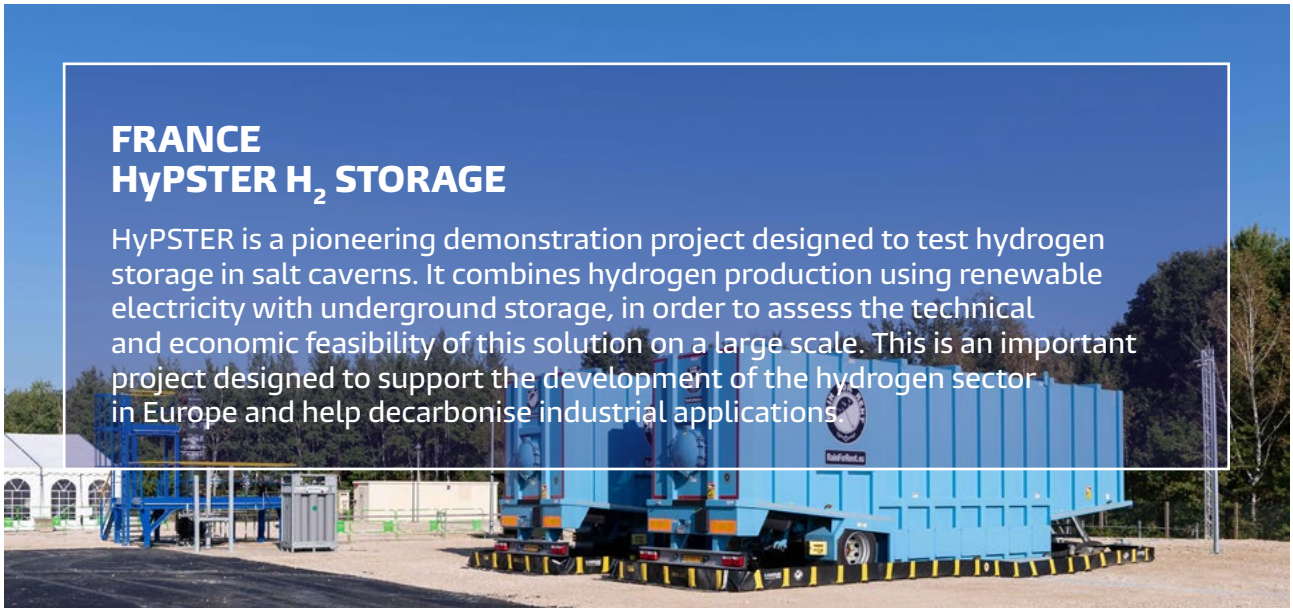
1,000 km of transmission lines secured by auction in Brazil in July 2023

UNITED KINGDOM
BPA WITH PEPSICO

Biomethane purchase agreement (BPA) over 10 years, signed with PepsiCo: a first in the United Kingdom. ENGIE is starting construction of a biomethane plant with an annual production capacity of 60 GWh in the north of England.

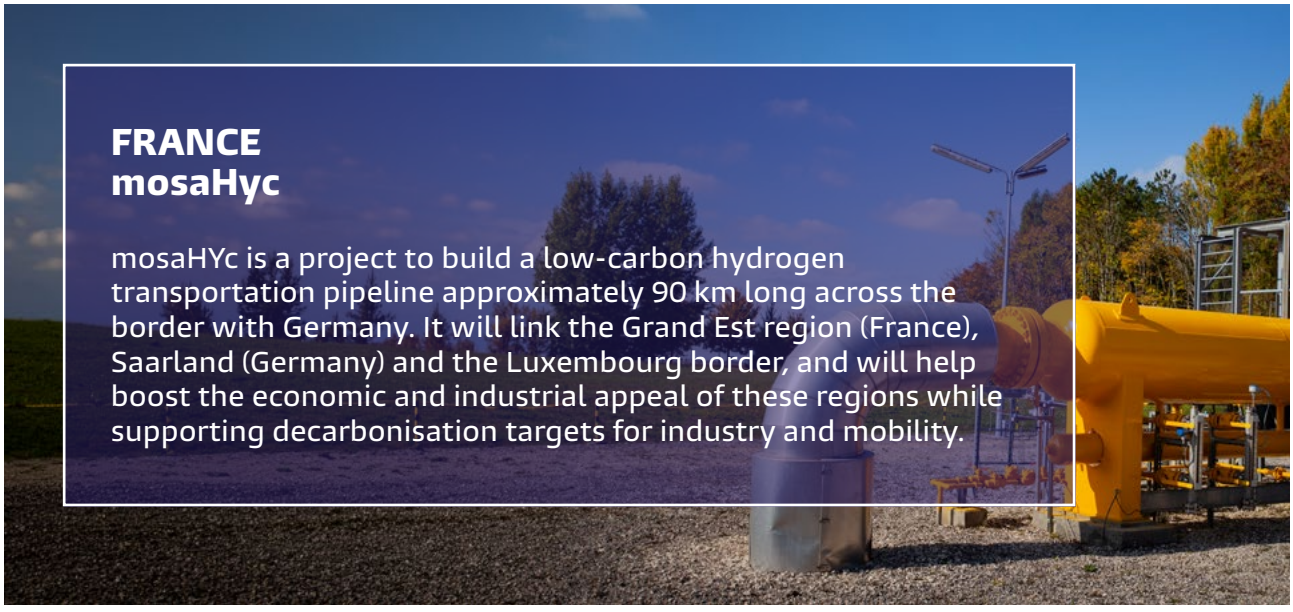
FRANCE
GOCO$_2$

A large-scale project to capture, transport and liquefy CO_2 from the highest-emitting industries in western France. The ultimate aim of the project is to prevent several million tonnes of CO_2 emissions each year and contribute to the sustainable decarbonisation of industrial regions



FRANCE
HyPSTER H_2 STORAGE

HyPSTER is a pioneering demonstration project designed to test hydrogen storage in salt caverns. It combines hydrogen production using renewable electricity with underground storage, in order to assess the technical and economic feasibility of this solution on a large scale. This is an important project designed to support the development of the hydrogen sector in Europe and help decarbonise industrial applications.



FRANCE
mosaHyc

mosaHYc is a project to build a low-carbon hydrogen transportation pipeline approximately 90 km long across the border with Germany. It will link the Grand Est region (France), Saarland (Germany) and the Luxembourg border, and will help boost the economic and industrial appeal of these regions while supporting decarbonisation targets for industry and mobility.

NOTES

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PRESS CONTACT

Tel: +33 (0)144 222 435

engiepress@engie.com