At a Glance 2022

Energy is Reinventing Itself, and So Are We!

TotalEnergies

Contents

Editorial

Contributing to the just transition our societies are waiting for

Patrick Pouyanné,
Chairman and Chief Executive Officer, TotalEnergies

In 2021, Total became TotalEnergies: A new name for a new ambition to be a major player in the energy transition, engaged towards getting to net zero by 2050, together with society. This choice stems from a deeply-held conviction that everyone on the planet has the right to have access to energy – reliable, affordable energy that is a source of economic and social development. At the same time, people expect a commitment from businesses to preserve the climate for future generations. To meet the dual challenge of more energies, fewer emissions, TotalEnergies is becoming a multi-energy company that puts sustainable development at the heart of its strategy, projects and operations.

In this issue of At a Glance, we show you how this ambition informs all of our businesses, from production to trading and from transportation of energies to distribution to end users. We also show you how this ambition has already taken shape in our 2021 achievements. Our investment decisions, R&D and partnerships with startups and major companies all aim to accelerate the emergence of decarbonized value chains. What's more, they provide tangible proof of how everyone in energy is pulling together and illustrate our continuous dialogue with stakeholders to meet the demanding objectives we have set for 2030.

Sustainable development is at the heart of our strategy

Despite the currently unstable geopolitical environment, I remain confident in our ability to move forward, to resolutely transform our model and to contribute, with our stakeholders, to the just transition our societies are waiting for, guided by our values – chief among them Safety – and the energy of TotalEnergies' people.

Energy is life.
We all need it
and it’s a source of progress.
So today, to contribute to
the sustainable development of the planet
facing the climate challenge,
we are moving forward, together,
towards new energies.

Energy is reinventing itself,

and this energy journey is ours.
Our ambition is to be a world-class player
in the energy transition.

TotalEnergies

OUR OBJECTIVE

30% of our sales from oil by 2030, which means reducing our sales of petroleum products by at least 30%.

OUR STRATEGY

Save and decarbonize hydrocarbons by focusing on the most resilient oil projects, emphasizing value over volume, adapting our refining capacities and sales to changing demand and increasing our production of renewable fuels.

OUR OBJECTIVE

50% of our sales from gas by 2030, which means doubling our sales of LNG, and 5% of our sales from biomass/hydrogen.

OUR STRATEGY

Promote natural gas, the ally of the energy transition, and strengthen our position as the world’s second largest player in liquefied natural gas. Grow in renewable gases such as biogas and low-carbon hydrogen to decarbonize mobility and our industrial base.

OUR OBJECTIVE

15% of our sales from electricity by 2030, primarily from renewable sources, which means tripling our electricity sales.

OUR STRATEGY

Become a world leader in electricity by accelerating investments in renewables and developing an integrated model spanning from production to sales. Rank among the top five suppliers of renewable energies and lift gross installed capacity to 100 gigawatts by 2030.

A WORLD IN TRANSITION

10 billion people

will need energy in 2050 for cooking, heating, lighting and transportation. Energy is a vital need. It is also a source of progress, indispensable for enabling the greatest number of people to have access to education and healthcare, for reducing hunger and poverty, for empowering women, for building sustainable cities, for stimulating business and for creating jobs.

Tokyo, Japan

Satisfying Global Demand

Energy is life. As a multi-energy company, our mission is to provide energy that is ever more affordable, cleaner, more reliable and accessible to as many people as possible.

We must sustainably satisfy the needs of a growing population while fighting climate change. To do that, we are reinventing and diversifying our energy offering to promote renewable and decarbonized energies, as well as sparing, well-considered use of fossil energies. Since the beginning of the decade, we have moved resolutely to transform our energy model in order to become a multi-energy company and major player in the energy transition.

Electricity:
Scaling Up Across the Value Chain

We are pursuing our expansion in the renewable energies market with the goal of ranking among the top five global players by 2030. We are active across the entire electricity value chain, from production to sales, as well as in strategic storage to support the development of renewable energies, which are intermittent by nature.

Between2017and2021,ourrenewable electricity production capacity rose from 0.8 to 10 gigawatts (GW). This reflects a sharp acceleration in our projects, including large solar projects and wind farms (onshore and offshore) and distributed solar generation for industrial and commercial customers. In 2021, major partnerships were signed, notably to develop large-scale solar projects in India and the United States. Today, more than 10% of our investments are channeled to renewables and electricity. Our goal is to lift our renewable electricity production capacity to 35 GW by 2025 and 100 GW by 2030.

We are also growing our footprint by staking out a position as a major electricity and gas provider in Europe, with nearly nine million B2B and B2C customers. To get the most out of intermittent energies, we are developing large-scale electricity storage and backing our power generation capacity with natural gas, the lowest-carbon fossil fuel. Over the last few years, we have acquired combined-cycle gas turbine plants in France, Spain and Belgium to increase our power generation capacity. We now have eight plants in Europe with a capacity of 3.5 GW, and a target of 5 GW by 2025.

13 million

gas and electricity customers in Europe by 2025

Monein solar power plant in France

6 GW

of projects under construction and in development, of which 2 GW in production by 2025

Offshore Wind Around the Globe

Because our Company has recognized expertise in managing major offshore projects, we decided to get involved in offshore wind power in 2020. Since then, the number of projects has multiplied in France, the United States, the United Kingdom and more. Flagship projects in 2021 include our stake in the Yunlin wind farm off the coast of Taiwan, one of the first offshore wind developments in Asia, which came on stream in December 2021. These projects have shifted TotalEnergies into a higher gear, making it a benchmark player for managing these megaprojects. What's more, we've been among the first to deploy floating wind turbines, a promising technology currently under development in South Korea and the United States. We bring our offshore expertise to this leading-edge sector, along with our knowledge of the leading global suppliers of turbines and floating structures, to develop and industrially scale up the best technical solutions.

Project Panorama

COMMISSIONING THE LARGEST ENERGY STORAGE SITE IN FRANCE

In 2021, TotalEnergies commissioned its new battery energy storage site – the largest in France – near Dunkirk. It will contribute to the goal of increasing the share of renewables in France's energy mix, while helping to stabilize the domestic power grid.

LA MEDE SETS ITS SIGHTS ON GREEN HYDROGEN

TotalEnergies and Engie have signed a cooperation agreement to develop and operate the Masshylia project, France's largest green hydrogen production facility, at our La Mède biorefinery. Produced with electricity from our solar farms, this hydrogen will be used in the biofuel production process.

INDIA: A MASSIVE INVESTMENT IN SOLAR POWER

In 2021, TotalEnergies strengthened its partnership with Adani by acquiring a 20% interest in its AGEL affiliate, the world's leading solar developer. This is TotalEnergies' largest-ever investment in renewable energies.

More about renewables in India

Gas: A Key Partner in the Energy Transition

We are increasing the share of lower carbon energies in our mix by investing in natural gas. As the fossil fuel with the lowest carbon emissions, gas is the indispensable ally for helping coal-dependent countries reduce their carbon footprint. TotalEnergies is the world's second largest non-state provider of liquefied natural gas (LNG).

Gas is cheap and abundant. Used as a substitute for coal, it provides a rapid and pragmatic response in the fight against rising greenhouse gas emissions.

In India, TotalEnergies has joined forces with Adani to develop an offering that covers the import and regasification of LNG for sale to industrial customers, as well as city gas distribution to residential customers. In 2021, ArcelorMittal Nippon Steel signed a contract with us for the supply of 500,000 tons of LNG a year to run its steelworks and electric power plant in Hazira. In China, the Company has entered into agreements with Shenergy Group to supply 1.4 million tons of LNG per year and to create a joint venture to market LNG in China. In the Middle East, we will work to sustainably develop natural gas resources in Oman via Marsa LNG, a joint venture with Oman National Oil, and, among other projects, build a low-carbon-intensity plant that will produce LNG bunker fuel.

MOVING TOWARDS THE ENERGY TRANSITION IN SHIPPING

With a view to building a global LNG bunker fuel value chain, our Company is investing massively in infrastructure to make it easier for customers to use this fuel, which can reduce greenhouse gas emissions by around 23% in relation to heavy fuel oil.

Since 2020, the TotalEnergies-chartered Gas Agility, the world's largest LNG bunkering vessel, has been supplying LNG to cargo ships in the port of Rotterdam. In early 2022, the Company commissioned a new bunkering vessel, the Gas Vitality, in Marseille, France. Its first customers are CMA CGM's LNG-powered containerships and MSC Croisières' future LNG-powered cruise ships. In addition, we have obtained a third LNG bunker supplier license for the port of Singapore, a major hub for LNG marine fuel in Asia.

50
million tons per year
our LNG sales volume by 2025

Oil: Selective Investments

While oil consumption will stabilize and then decline, the world will still need oil in the coming decades to meet rising energy demand. That's why we continue to invest in oil projects, but only when they offer low carbon intensity and very competitive costs, so we can supply affordable energy to as many people as possible.


Offshore field, Brazil

Getting to net zero will require deep changes in the global energy mix.

At TotalEnergies, the proportion of oil in our sales mix has declined from 66% in 2015 to 55% in 2019 and should stand at 30% in 2030. By 2050, it could account for between 15% and 20%. However, large investments are still necessary to meet global demand for oil. The Company focuses on the most resilient oil projects, meaning those with a carbon intensity lower than our existing portfolio average and featuring the lowest breakeven points, below $25 per barrel.

PRIORITIZING HIGH-QUALITY INVESTMENTS

In Brazil, the giant Mero project is part of our strategy of producing oil at a competitive cost from world-class fields. In 2021, we launched the fourth phase of the project, in the deepwater Santos basin some 180 kilometers off the coast of Rio de Janeiro. This will allow the Company to produce up to 180,000 additional barrels a day as from 2025. In the same area, we have entered the huge Atapu and Sépia fields, gaining a unique opportunity to access low-cost, low-emission oil resources.

LAKE ALBERT: ACTING IN FULL TRANSPARENCY

The Lake Albert region contains significant oil resources that Uganda has decided to develop with the Tilenga oil project and construction of the cross-border East Africa Crude Oil Pipeline (EACOP) through Tanzania. Fully aware of the sensitive regional environment, we have committed to deploying these projects in an exemplary manner, taking biodiversity issues into account, as well as the rights of local communities, in accordance with the World Bank's most demanding standards set out by the International Finance Corporation. Several independent reviews have been conducted by third-party institutions. They allow us to evaluate the effectiveness of measures taken and identify areas for improvement, and have led to related action plans.

Biomass:
A Promising Renewable Energy Source

From vegetable oils, used cooking oils and animal fat for producing biofuels to organic waste for making biogas, biomass is a promising renewable energy source. It's an immediately available solution for rapidly reducing mobility's carbon footprint and replacing natural gas. There's a challenge to be met here too, because the European Union* has set a target of 14% by 2030 for the use of renewables in transportation.

DEVELOPING OUR BIOFUEL LINEUP

TotalEnergies has been a leader in biofuel research, production and distribution for more than 20 years. With more than 750 service stations offering E85 superethanol, we have France's largest network for this majority-renewable fuel. The Company intends to become a major player in the biofuels market and is aiming to increase its sales by more than 10% a year by 2030. To that end, we have converted our La Mède refinery in France into a biorefinery. We launched production of sustainable aviation fuel (SAF) for French airports at La Mède and our Oudalle facility in 2021 and at our Normandy complex in 2022. We will also make SAF at our zero-crude Grandpuits complex as from 2024. At the same time, we are working with Veolia to accelerate the growth of microalgae using CO_2 to produce new-generation biofuels.

ACCELERATING IN BIOGAS

A renewable gas produced from the fermentation of organic matter (manure, farm waste, etc.), biogas is used to make biomethane, which has the same properties as natural gas. Biomethane can be injected into the distribution network or used as alternative fuel for mobility. To help develop this promising value chain, we acquired French market leader Fonroche Biogaz in January 2021, making our Company a major player in renewable gas in Europe. In the United States, we started construction on our first biomethane production unit in late 2021 in Friona, Texas with renewable gas supplier Clean Energy. This renewable gas will be available in our partner's North American service stations by 2025.

2 TWh
of biomethane a year by 2025

* Source: https://www.ecologie.gouv.fr/biocarburants

La Mède biorefinery, France

TOWARDS A CIRCULAR ECONOMY FOR PLASTICS

As a polymers producer, the Company aims to contribute to the development of a circular economy for plastics and to produce 30% recycled and renewable polymers by 2030. We will get there by pursuing our development in polylactic acid (PLA), a bioplastic made from starch or sugar. This 100% bio-based, recyclable and compostable product is made by our TotalEnergies Corbion PLA joint venture in our plant in Thailand.

GRANDPUITS ZERO-CRUDE COMPLEX IN FRANCE

Our Grandpuits refinery is being converted into a zero-crude complex that will produce, among other things, biofuels for air transportation made from animal fat and used cooking oil. The facility will also house our first French advanced recycling plant for plastic waste and our second PLA bioplastics unit, making us the world leader in this growing market.

BASRA, IRAQ

Multi-Energies in Action

Oil field, Iraq

TotalEnergies has signed a $10 billion contract to develop a number of multi-energy projects in Iraq.

The goal is to accelerate power generation in the country, which is experiencing a sharp rise in demand from the population.

A GAS GATHERING NETWORK AND TREATMENT UNITS

The future network will supply natural gas to surrounding power plants, with an initial capacity of 1.5 GW, to be doubled further out. TotalEnergies will also provide its expertise in optimizing oil and gas production at the Ratawi field by building and operating new capacities.

A LARGE-SCALE SEAWATER TREATMENT UNIT

This facility will increase water injection capacities in southern Iraq fields without increasing water withdrawals in a country that is currently facing a water-stress situation. This water injection is required to maintain pressure in several fields, thereby optimizing the production of natural resources in the Basra region.

A SOLAR PLANT

The operation of a solar power plant will help meet local demand for electricity. The plant will have a capacity of 1 GW, enough to serve the electricity consumption of around 350,000 households in the region. It's a first for the country, which will make the most of solar's huge potential in a region that benefits from abundant sunshine.

The multi-energy strategy and sustainable development model implemented by the Company allows us to contribute to the development of offerings that combine all our energies, so we can fully meet the challenges of historical customers who are looking for a more diversified and ever more sustainable mix.

A WORLD IN TRANSITION

70%

of global greenhouse gas emissions are related to energy use

With energy needs forecast to grow by around 50% by 2050, reducing greenhouse gas emissions is a major challenge for preserving the planet from climate change.

Al-Shaheen offshore field, Qatar

Reducing Our Emissions

Climate change is the challenge of the 21st century. As a major player in the energy transition, we are working to produce energies in an ever more sustainable way, with the goal of getting to net zero by 2050, together with society.

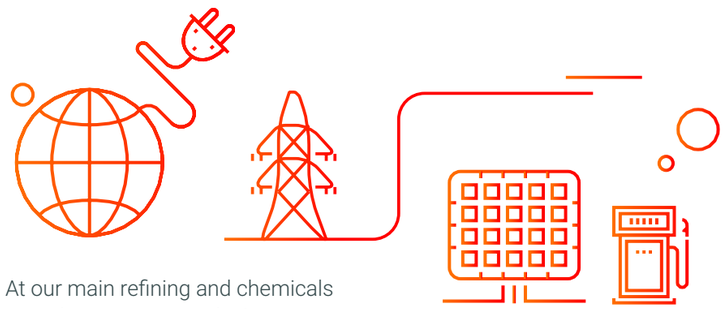
Of course, meeting the climate challenge means reviewing our own use of energy and accelerating the deployment of renewable and decarbonized energies at our sites. It also means constantly enhancing our energy efficiency and reducing our methane emissions to the bare minimum. Because none of the forward-looking scenarios envision that hydrocarbons will have completely disappeared by 2050, we are stepping up our research, developing projects to capture and store residual carbon and investing in natural carbon sinks like forests and regenerative agriculture.

Our Three Drivers

To get to net zero by 2050, we have been taking action for several years to limit the greenhouse gas emissions from our operations in accordance with the Avoid - Reduce - Compensate principle.

AVOID

We try to do as much as possible to avoid CO_2 emissions. A tangible example is the electrification of our industrial base. Even better, thanks to the development of our solar portfolio, we are increasingly supplying our sites with renewable electricity.



At our main refining and chemicals complexes, we are replacing the boilers and turbines that are necessary for the units' operation, but that are responsible for a large amount of the industry's CO_2 emissions, with electric motors.

In addition, we have been working since 2017 to solarize

4,600

of our service stations

and around **60**

industrial and commercial facilities worldwide with rooftop and canopy-mounted solar panels.

Find out more about our commitments and emissions reduction projects in the Sustainability & Climate 2022 Progress Report

REDUCE

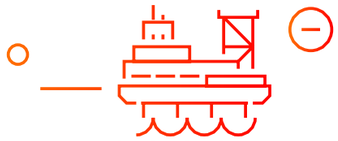
We focus on reducing our direct emissions through continuous improvements in energy efficiency, the complete phase-out of routine flaring and an ongoing reduction of methane emissions from oil and gas production.

13% **improvement in energy efficiency at our operated facilities** since 2010. Our Company is pursuing its efforts in this area with the goal of making its industrial facilities 1% more energy efficient each year.

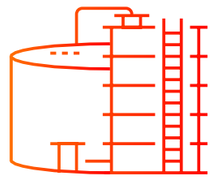
The methane intensity of our operated gas facilities is below

0.1%

In 2021, TotalEnergies announced the deployment of an innovative technology to significantly reduce methane emissions related to its operations on the Barnett gas field in the United States. Developed by Qnergy, this technology makes it possible to convert methane-powered instrumentation to compressed-air-powered instrumentation, thereby eliminating the release of methane during operations.



Objective: zero **routine flaring** by 2030. In 2021, we were 91% towards meeting this objective in relation to 2010.



Nearly 10%

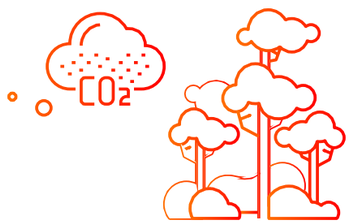
of our R&D budget is dedicated to carbon utilization and storage technologies.

COMPENSATE

In addition to our programs to reduce our greenhouse gas emissions, we invest in sustainable carbon capture and storage solutions that go beyond our own operations.

$100 **million**

That's the average amount we want to invest each year in developing natural carbon sinks.



5 Mt **of CO_2**

captured each year by 2030 thanks to natural carbon sinks.

40 Million Trees on the Batéké Plateaux

The first tree planting campaign for the Batéké Carbon Sink project began in late 2021 in the Republic of the Congo. This large-scale project is a tangible example of our commitment to developing natural carbon sinks. Ultimately, the new forest will sequester 500,000 tons of CO_2 per year, equivalent to the annual emissions of an average European city with a population of 70,000.

TotalEnergies launched the 40,000-hectare program – four times the size of Paris – on the Batéké Plateaux in cooperation with Forêt Ressources Management, a specialized consultancy. The planting of acacia trees on the sandy plateaux in eastern Republic of the Congo will create a more fire-resistant forest environment and increase biodiversity. Around 40 million trees will be planted in all over ten years and tended for 35 years to encourage the growth of endemic species and create the conditions for the regeneration of a natural forest further down the line. The program includes agroforestry crop land that will serve growing local and national demand. These job-creating activities will have a positive impact on several thousand people.

A KEY DRIVER IN GETTING TO NET ZERO

Carbon storage is a key factor to achieve carbon neutrality in the second half of the 21st century. Ecosystems, especially forests, store carbon naturally. Preserving them and restoring their natural carbon sequestration role is, in fact, crucial in the fight against greenhouse gas emissions. Our Company aims to build up five million tons of sustainable carbon storage capacity a year between now and 2030 that will partially offset our Scope 1&2 emissions*.

* Scope 1: Direct emissions from the Company's operations. Scope 2: Indirect emissions related to the Company's energy consumption.

Forest on the Makidingo Road, Pointe Noire, Republic of the Congo

Project Panorama

PARTNERSHIPS WITH AUSTRALIA

TotalEnergies has established two operational partnerships with Australian carbon developers AgriProve and Corporate Carbon to develop natural below-ground carbon sinks in Australia and help prevent savanna fires.

PRESERVING SURINAME'S FORESTS

Our Company has joined forces with the Government of Suriname to preserve the country's forests as carbon sinks. The agreement is designed to protect more than 15 million hectares of forest ecosystems that absorb millions of tons of CO_2 each year.

500,000

tons of CO_2 sequestered each year with the Batéké project

TotalEnergies and Amazon on the Road to Carbon Neutrality

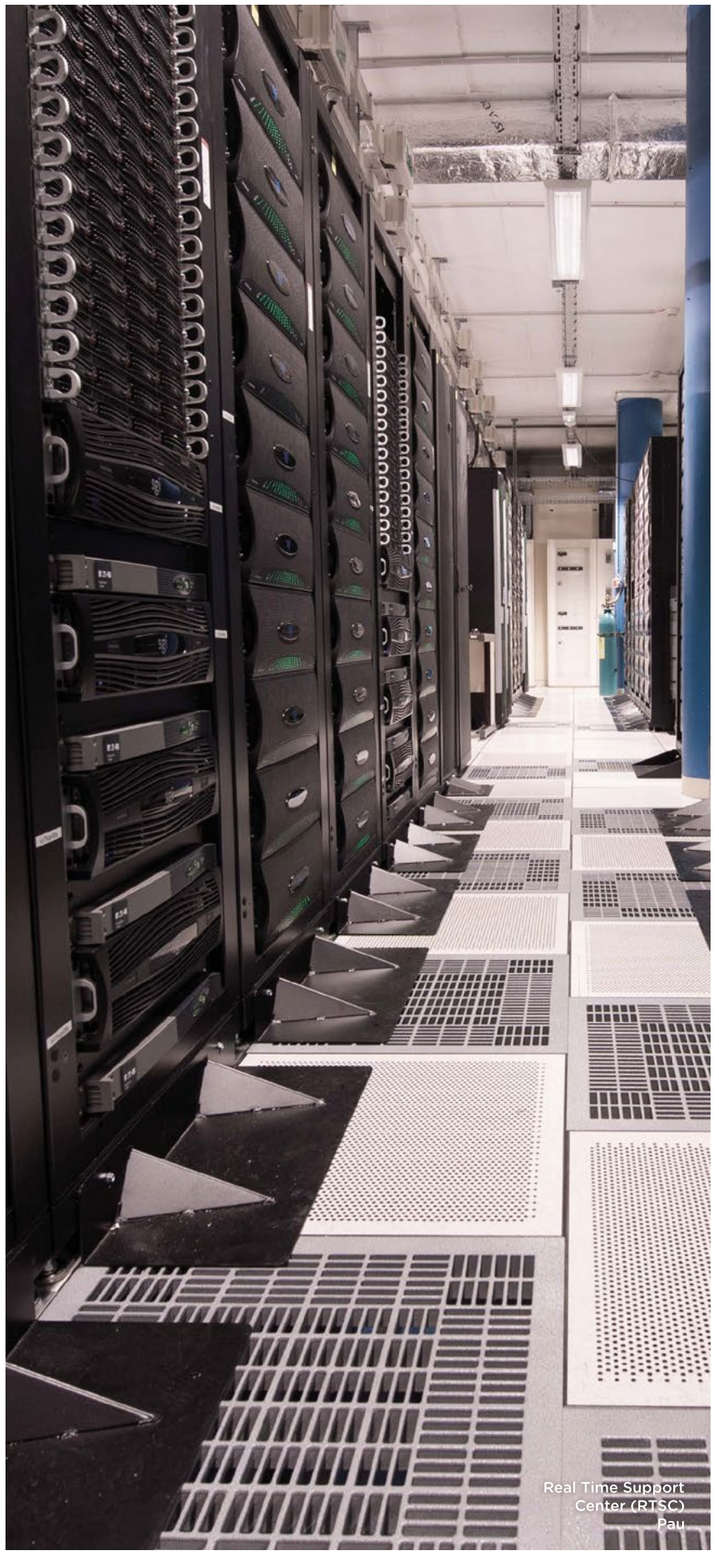
TotalEnergies wants to make carbon neutrality an ambition shared with its customers. In 2021, it announced a strategic collaboration with e-commerce giant Amazon. The goal is to make the most of each party's areas of excellence – renewable energies and digital technology – to meet our commitments more effectively.

The agreement will benefit Amazon just as much as TotalEnergies. For our Company, the idea is to help Amazon achieve its target of powering operations with 100% renewable energy by 2030 and of getting to net zero by 2040. To do that, we have signed power purchase agreements for 474 MW of renewable capacity in the United States and Europe, with the objective of extending this collaboration to the Middle East and Asia Pacific. This is TotalEnergies' largest green power purchase agreement to date with a customer. In return, we are counting on Amazon's expertise in cloud technology, for which it is currently a world leader, to accelerate and scale up our digital strategy. An agreement was signed with Amazon Web Services (AWS) to accelerate our move to the cloud, the digitalization of our operations and our digital innovation.

A SHARED AMBITION: THINK BIG

In addition to these commercial agreements, we have launched an ambitious long-term partnership with Amazon. Other projects are under consideration for complementary solutions to meet Amazon's decarbonization ambitions. These include battery energy storage, green mobility, clean hydrogen, biogas, biofuels and EV charging stations. When it comes to expertise, project portfolios and worldwide presence, we have everything it takes to support a customer of this size. This partnership gives us a way to structure a sales approach and integrated multi-energy solution that will ultimately serve all our customers.

In March 2021, we signed a multi-energy agreement with Microsoft. More here:



Real Time Support Center (RTSC) Pau

Co-Developing Large-Scale Low-Carbon Solutions

We believe that cooperation among industry players is necessary for meeting energy transition objectives. For this reason, we signed major technical partnerships in 2021.

WITH SIEMENS ENERGY

This collaboration will focus on natural gas liquefaction facilities and associated power generation. Each partner will contribute its best-in-class technologies and know-how to deliver industrial-stage solutions such as combustion of clean hydrogen in gas turbines, all-electric liquefaction of natural gas, optimized power generation, integration of renewable energy in liquefaction plants' power systems and efficiency enhancement.

WITH TECHNIP ENERGIES

We want to jointly develop low-carbon solutions for liquefied natural gas (LNG) production facilities and offshore installations. The objective is to explore new concepts and technologies in such key areas as LNG production, cryogenics, the production and use of hydrogen for power generation and carbon capture, utilization and storage (CCUS) processes.

EUROPE – UNITED STATES

Leveraging Expertise to Support Large-Scale Decarbonization of our Facilities

2 million
tons of CO_2 avoided
a year in Europe

DEVELOPING OUR PORTFOLIO OF SOLAR PROJECTS

Since 2020, TotalEnergies has acquired a more than 5 gigawatt (GW) portfolio of solar projects in Spain and a 2.2 GW portfolio of solar projects in the United States.

SUPPLYING OUR ASSETS WITH CERTIFIED-RENEWABLE ELECTRICITY

Ultimately our traders will be able to acquire part of these solar farms' output – around 6 terawatts-hour per year in Spain and 1 GW per year in the United Sates. For each megawatt-hour (MWh) we purchase, we will receive an electronic certificate certifying that it is renewable. This is known as a Guarantee of Origin.

LARGE-SCALE DECARBONIZATION

This project will allow us to cover 100% of the electricity needs of our industrial, commercial and administrative sites in Europe by 2025 and of our operated industrial facilities in the United States, including the refining and petrochemical complexes in Port Arthur, Texas and the petrochemical sites in La Porte, Texas and Carville, Louisiana.

From refining and chemicals to renewables and electricity trading, we are leveraging all our expertise to provide green electricity for 100% of our sites' needs in Europe and the United States by 2025.

The strength of this decarbonization project lies in its replicability, both within TotalEnergies and with our potential customers. It restates our ambition to get to net zero by 2050, not only across all our global operations (Scope 1 and 2), but also the energy products we sell to our customers (Scope 3).

A WORLD IN TRANSITION

Net zero by 2050

The Paris Agreement on climate calls for limiting global warming to well below 2°C compared to pre-industrial levels between now and the second half of the century. This is a collective challenge for which governments, businesses and civil society must take action, each at its own level, to reduce greenhouse gas emissions together and aim for carbon neutrality.

The Northern Lights above Svolvaer in Norway's Lofoten archipelago

Acting On Demand

As a major player in the energy transition, TotalEnergies wants to make carbon neutrality an ambition shared with its customers.

Around 90% of oil- and gas-related greenhouse gases are emitted during the end use of petroleum-based fuels and other products, compared to just 10% during their production. Helping our individual and business customers reduce their carbon footprint is therefore essential. With the development of electric mobility and alternative fuels, along with a low-carbon offering for industry, we are investing in more sustainable solutions to achieve a 20% reduction in the carbon intensity of the energy products used by our customers around the world by 2030 in relation to 2015.

Energy Is Everywhere

Whether it's for cooking, heating, lighting, traveling or working, energy is everywhere in our daily lives. We offer our customers increasingly lower carbon products for everyday uses to help them navigate the energy transition. Here's a quick, non-exhaustive, look at a day full of energies.

AT BREAKFAST

Gas
Today, TotalEnergies has nine million gas and electricity customers in Europe.

Electricity
TotalEnergies has included a 100% green formula in its electricity offering.
More than 100,000 customers have already chosen this option in France.

Recycling
We are contributing to the development of a circular economy for plastics.
By 2030, 30% of our polymers will be recycled and renewable.

ON THE ROAD

E85
To meet growing demand for superethanol, an attractively priced, majority-renewable fuel that produces fewer greenhouse gas emissions, we are accelerating the deployment of E85 in 750 of our service stations in France.

Electric batteries
Through our Saft affiliate, we are gearing up with Stellantis and Mercedes-Benz to produce electric vehicle batteries at the leading edge of technology in terms of energy performance, driving range and charge time.

Biofuels
We produce biofuels that are compatible with internal combustion engines, blended into gasoline and diesel sold at the pump.
10%: Annual growth objective for TotalEnergies biofuels by 2030.

Electric vehicle charge points
By 2023, 500 of our service stations in France – of which 300 on major highways and in urban areas – will be equipped with charge points. Investment of €200 million.

Recycled plastic
Our Synova affiliate produces recycled polypropylene for sustainable applications, notably in the automotive industry.

Hydrogen filling stations
TotalEnergies is actively involved in developing the hydrogen value chain in the Netherlands, Germany and France, notably for trucking.

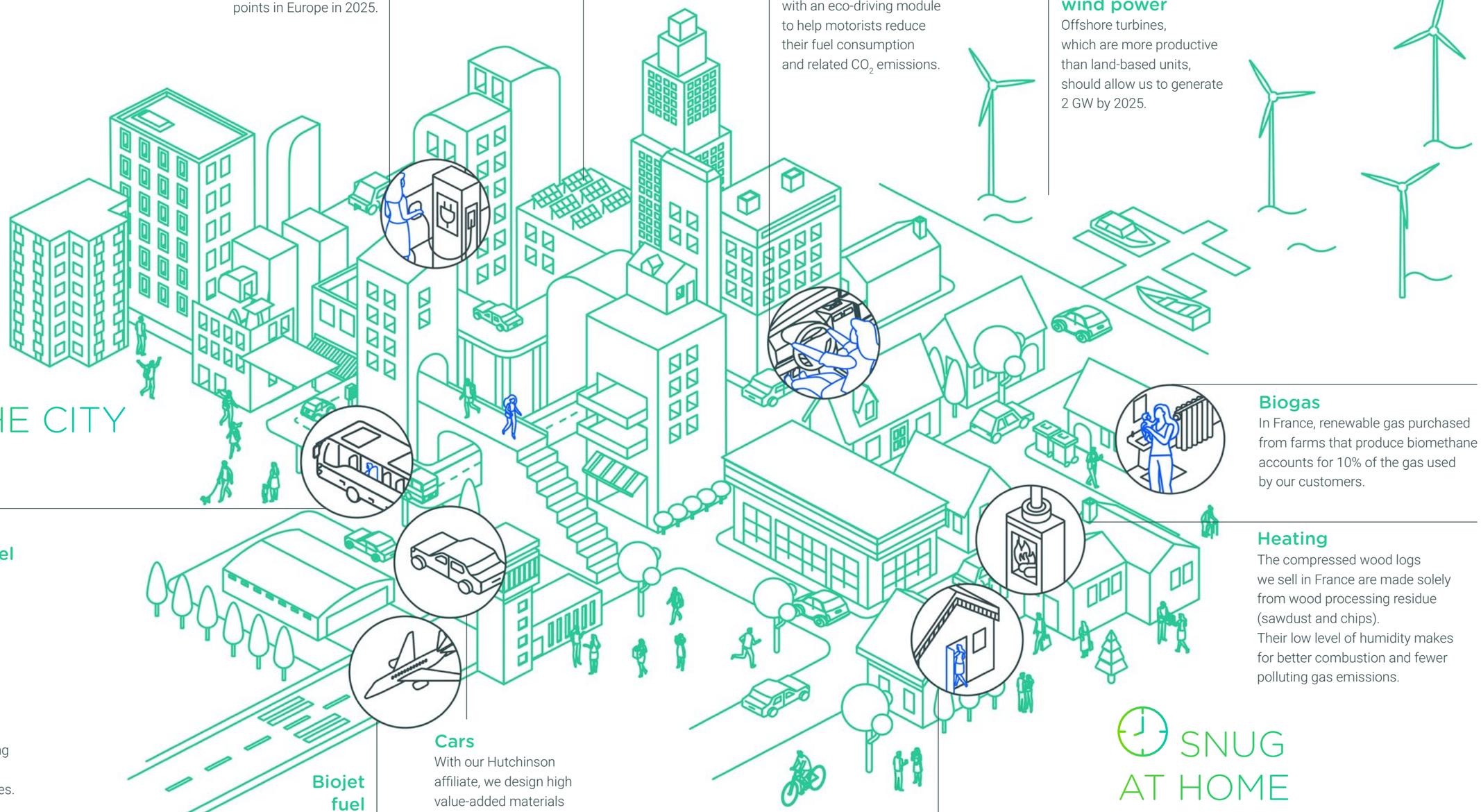
AT WORK

Charge points for corporate fleets
We install charge points close to our customers, at businesses or establishments open to the public. Objective: Extend our coverage to 150,000 charge points in Europe in 2025.

Solar panels
We are developing our renewable power generation capacities and plan to have gross capacity of 35 GW by 2025, of which 4 GW in France.

Onboard telematics
With Mobility Connect, we offer a data management tool for optimal tracking of vehicle fleets.
The solution comes with an eco-driving module to help motorists reduce their fuel consumption and related CO_2 emissions.

Offshore wind power
Offshore turbines, which are more productive than land-based units, should allow us to generate 2 GW by 2025.



IN THE CITY

Natural Gas Vehicle (NGV) Fuel
We are accelerating the deployment of new NGV stations, particularly for trucks and professional transporters. NGV releases fewer polluting emissions and greenhouse gases.
Our ambition: Develop a network of more than 600 service stations offering NGV by 2025, notably in France and the United States.

Biojet fuel
TotalEnergies supplies French airports with sustainable aviation fuel made from waste and residues sourced from the circular economy.

Cars
With our Hutchinson affiliate, we design high value-added materials that help reduce mobility's carbon footprint through more effective insulation, sealants and energy performance.

Biogas
In France, renewable gas purchased from farms that produce biomethane accounts for 10% of the gas used by our customers.

Heating
The compressed wood logs we sell in France are made solely from wood processing residue (sawdust and chips).
Their low level of humidity makes for better combustion and fewer polluting gas emissions.

SNUG AT HOME

Insulation
Plastics help reduce the construction industry's CO_2 emissions by contributing to buildings' thermal insulation.

Increasingly Responsible Uses

To shape demand, we are guiding our customers toward lower-carbon energy solutions and helping them use energy more efficiently.

TotalEnergies is now a major gas and electricity retailer in Europe, with more than nine million customers. In France, where we have more than five million customers, we have introduced a new competitive green offering to meet the expectations of customers who want to contribute to the energy transition. The quality of our customer service is regularly recognized. Last year again, we received numerous awards, including the 2021 *Qualiweb* award in the consumer services category, first place in the 2021 *Podium de la Relation Client* awards in the service provider category, and the 2021 *Prix Excellence Client* in the energy supplier category.

A BIG YEAR IN ELECTRIC MOBILITY

TotalEnergies is also actively involved in the rise of electric mobility, with integrated solutions ranging from energy supply to full charging services. After Paris, London and Brussels, our Company is installing and operating electric vehicle charge points in other major cities, having won calls for tender in Singapore (1,500 charge points) and Amsterdam (20,000 charge points). In China, we are creating a joint venture with China Three Gorges Corporation to install and operate more than 11,000 high power charge points by 2025 in Hubei Province.

To help cities transform their mobility and reduce their carbon emissions, we are partnering with Uber to accelerate the transition of Uber's drivers towards electric mobility, by providing support for vehicle conversion and easier access to charge points. In France, our proactive positioning is also encouraging the growth of electric mobility in long-distance travel, with the installation of 200 high power EV charge points by 2023 in our motorway and expressway service stations. As for batteries, Mercedes-Benz has joined us as a partner of Automotive Cells Company (ACC), the venture we created in 2020 with Stellantis to produce high performance electric vehicle batteries in Europe.

TotalEnergies service station in La Défense, France: the first 100% electric service station

450

service stations in our worldwide network sell natural gas vehicle fuel

Nearly

2.5 million

vehicles a year equipped with electric batteries by 2030

The Energy Transition In Progress

TotalEnergies promotes green energies and develops innovative technologies to reduce its customers' environmental footprint, particularly in transportation and logistics.

For the shipping industry, a significant source of greenhouse gas emissions, we provide our customers with liquefied natural gas (LNG), which reduces greenhouse gas emissions by around 20% in relation to heavy fuel oil. We use two dedicated bunkering vessels to serve our shipping customers with LNG: the Gas Agility, the world's largest bunkering vessel, based in Rotterdam, and the Gas Vitality, which operates in the Mediterranean. The Gas Vitality will provide LNG bunkering services for CMA CGM's containerships and for MSC Croisières cruise ships that call in Marseille. LNG bunker fuel is paving the way for an even cleaner marine fuel: bioLNG. In a circular economy approach focused on the energy transition, TotalEnergies and its partners are studying the feasibility of a project to produce bioLNG in France in the center of the port of Marseille.

HYDROGEN, A KEY VECTOR FOR DECARBONIZATION

We believe in hydrogen's potential for sectors such as heavy industry and long-distance transportation. For several years now, our Company has been developing tangible use scenarios as an industrial user, in our refineries, as well as in the hydrogen fuel value chain, for example with the H2 Mobility consortium in Germany. TotalEnergies is an active member of several hydrogen initiatives. In 2021, we launched the world's largest fund dedicated to the development of clean hydrogen infrastructure alongside other large international industrial companies. Momentum to rapidly scale up hydrogen is also fueled by strategic partnerships, such as our agreement with Daimler Truck AG to develop a hydrogen ecosystem for heavy duty trucks running on hydrogen.

Objective:
Serve more than
10%
of the world LNG bunker fuel market by 2025

Up to
23%
fewer greenhouse gas emissions with LNG

Solar power plant in Monein, France

Green Power Purchase Agreements

Backed by our expertise in renewables, we are supporting our customers' energy transition with an array of green electricity solutions, from site solarization – as at L'Oréal's plant in Vichy, France – to major green power purchase contracts. Large power purchase agreements (PPAs) were signed in 2021 with Microsoft, Air Liquide and Merck. In France, we signed a power purchase agreement with Orange to supply 100 GWh a year of renewable electricity over a period of 20 years. This contract, one of the largest PPAs in France to date, secures the development of a dozen new solar power plants in France.

PARIS-MONTREAL, MAY 18, 2021

The Air Industry Rallies Around Sustainable Aviation Fuel

TotalEnergies operator refuelling an aircraft at the Valence airport in France

On May 18, 2021, an Air France airliner flew the Paris-Montreal route powered by sustainable aviation fuel (SAF) produced in France.

The flight provided a tangible example of the stakeholders' shared ambition to decarbonize air transportation.

AIR FRANCE-KLM

Air France-KLM is a pioneer in testing sustainable aviation fuels (SAF). The Group has multiplied the number of innovative programs, notably by carrying out 78 Air France flights powered by a 10% SAF blend between 2014 and 2016 in collaboration with TotalEnergies.

AIRBUS

Airbus is conducting several series of in-flight tests to certify airliners to fly with 100% SAF in the coming decades. At the same time, Airbus is working to reduce its fleet's fuel consumption. The Airbus A350 used for the Paris-Montreal flight consumes 25% less fuel than its predecessors.

TOTALENERGIES

After successfully starting production of sustainable aviation fuel at La Mède and Oudalle in France in March 2021, TotalEnergies supplied the Paris-Montreal flight with SAF from the two facilities. The 16% blend on this flight avoided the emission of 20 tons of CO_2. On the tarmac, TotalEnergies uses pure electric refueling vehicles to accelerate the decarbonization of its airport operations.

GOVERNMENT

By developing a French SAF value chain, TotalEnergies is showing that it is ready as of now to respond to changes in French legislation, which call for aircraft to use at least 1% SAF by 2022, 2% by 2025 and 5% by 2030.

PASSENGERS

To offset part of the extra cost of using SAF, Air France included a "sustainable aviation fuel" contribution in ticket prices. Passengers who want to offset their carbon footprint may also voluntarily participate in the purchase of additional SAF.

A Corporate Citizen

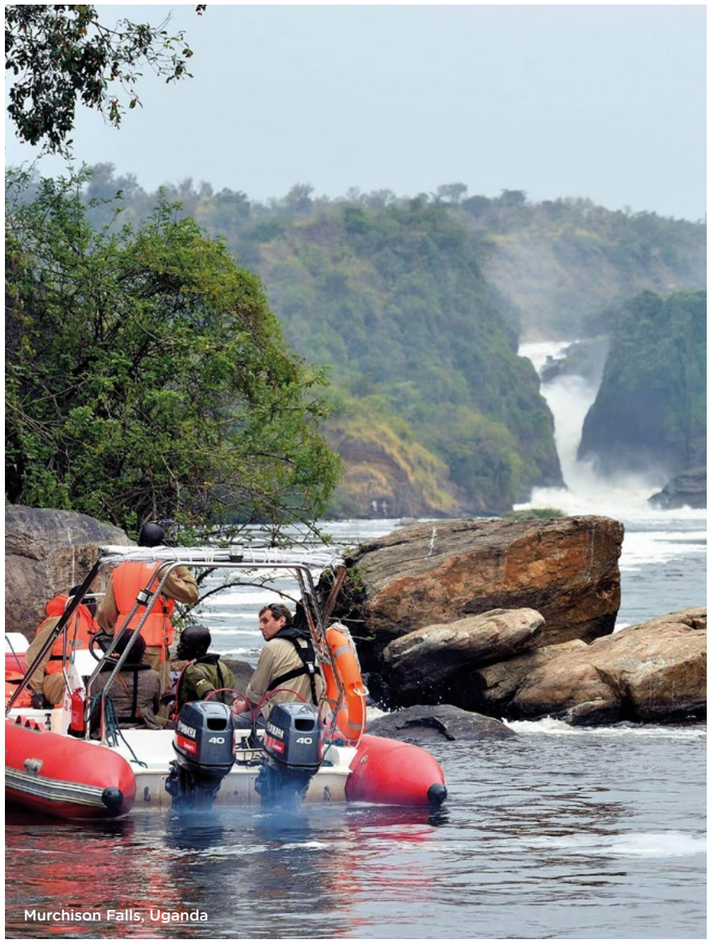
Our development strategy is based on the positive impact we can have on our stakeholders – customers, employees, current and future generations – in our various host territories. For our Company, this is the condition of sustainable performance that balances business success, civic responsibility and environmental impact.

ACTION!

The TotalEnergies Foundation's Action! program gives our employees an opportunity to volunteer in community programs for up to three workdays each year. In 2021, Action! recorded 8,150 missions with partner associations in the 95 participating countries.

YOUNG PEOPLE AT THE CENTER OF OUR COMMITMENT WITH TOTALENERGIES FOUNDATION

As part of our commitment to youth inclusion and education, we created L'Industreet, a campus for unqualified 18 to 25s looking for a way into the workplace, and designed to offer free courses in tomorrow's industry specializations. Inaugurated in March 2021 with the President of France and Patrick Pouyanné in attendance, the campus aims to train up to 400 young people a year, half of them women. We also support France's national federation of production schools in opening new schools focused on industry. Objective: 100 production schools to accommodate more than 4,000 students in 2028. These schools give young people an opportunity to obtain professional training and a diploma through a "learning by doing" approach. The method has had positive results, with close to 100% of participants successfully finding jobs after graduating.



Murchison Falls, Uganda

PRESERVING BIODIVERSITY

TotalEnergies places sustainable development in all its dimensions at the heart of its projects and operations to contribute to the United Nations' Sustainable Development Goals, including those related to biodiversity. Backed by this ambition, TotalEnergies participated in the International Union for Conservation of Nature (IUCN) World Conservation Congress in Marseille, France in September 2021. This was a crucial step in the preparation of the United Nations' global biodiversity framework. In the front lines, we deploy tailored and tangible solutions to manage the impacts of all our operations on biodiversity. Our guiding principle is to avoid impacts whenever possible, reduce impacts if they cannot be avoided, and compensate if necessary. We take measures to preserve biodiversity everywhere we operate, for the lifespan of our facilities. As part of the Tilenga project in Uganda, for example, we have implemented a targeted action plan to generate a net positive impact on biodiversity. We have committed, among other things, to increasing the lion, elephant, antelope and waterbuck populations by 25%, restoring 1,000 hectares of tropical forest and protecting 10,000 hectares of natural forest and ecological corridors.

113
countries benefit from our projects

More than
150
climate and environment initiatives are in progress, of which more than 80 concern biodiversity

Our Commitments:

- Respecting our voluntary exclusion zones
- Managing biodiversity in our new projects
- Managing biodiversity at our existing sites
- Promoting biodiversity

Learn more about our commitments and projects around the world in our Protecting Biodiversity - Commitments and Actions brochure.

TotalEnergies is a global multi-energy company that produces and markets energies: oil and biofuels, natural gas and green gases, renewables and electricity. Our 101,000 employees are committed to energy that is ever more affordable, cleaner, more reliable and accessible to as many people as possible.
Active in more than 130 countries, TotalEnergies puts sustainable development in all its dimensions at the heart of its projects and operations to contribute to the well-being of people.

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