

**TotalEnergies**

At a Glance  
2021

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# Editorial

## Today, Total Is Transforming to Become TotalEnergies.

Our Ambition Is to Be a Major Player in the Energy Transition.

May 28, 2021 marks a major milestone in the history of our Company: by shareholder decision at the Annual General Meeting, Total became TotalEnergies!

This decision aims to anchor in our identity the strategic transformation we have undertaken so we can fulfill our mission of providing more affordable, clean and reliable energy to as many people as possible more effectively than ever. More energy, fewer emissions: that is the dual challenge the world and the energy industry are facing. At TotalEnergies, we intend to help meet that challenge.

Our ambition is to get to net zero emissions across our global operations by 2050, together with society. We are reinventing and diversifying our energy offering to promote renewable and decarbonized energies, as well as sparing, well-considered use of fossil energies.

By moving to new energies, we are also encouraging our customers to change their consumption habits, prefer energy efficiency and turn to low-carbon solutions first.



**Patrick Pouyanné,**  
Chairman and Chief Executive Officer, TotalEnergies

In this issue of At a Glance, we invite you to come with us as we produce, transport, trade and distribute energy all the way to the end user, with the firm belief that our integrated, broad energy strategy is a competitive advantage that creates long-term value.

In the coming decade, TotalEnergies will become a truly broad energy company and major player in the energy transition so we can contribute to the planet's sustainable development in the face of the climate challenge.





# TotalEnergies, the Broad Energy Company That Puts Sustainable Development at the Heart of its Strategy

## OUR COMMITMENT

has four dimensions:

### Sustainable energy:

leading the transformation of the energy model to combat climate change and respond to people's needs.

### Well-being of people:

being a leading name as an employer and a responsible operator.

### Environmental excellence:

accelerating progress on environmental stewardship.

### Creating value for society:

generating shared prosperity across regions.

## PRINCIPLES OF ACTION

at the core of our responsible business model (Code of Conduct):

### Safety,

operational excellence and sustainable development go hand in hand.

### Respect for Each Other,

a cornerstone of our Code of Conduct.

### Zero Tolerance

for corruption and fraud.

### Transparency

in our engagement with society, whatever the subject.



TotalEnergies has committed to contributing to the achievement of the United Nations' Sustainable Development Goals and to using them as a framework for measuring and prioritizing all of its impacts more effectively.



# 1

## Electricity

Being a Key Player Across  
the Value Chain

Electricity is the energy of the 21st century. In the coming decades, electricity demand will grow faster than overall energy demand. Because we want to respond responsibly, we are investing massively in solar and wind power in order to become one of the global top five producers of renewable energy by 2030. We are developing a portfolio of operations across the electricity value chain to ensure that electricity accounts for 40% of our sales mix by 2050.



# Developing Our Renewable Electricity Production Capacity

Our growth ambitions in renewable energies gained real traction in 2020. In just one year, our renewable electricity generation capacity more than doubled to nearly 7 gigawatts (GW). We intend to pursue our investments to reach 35 GW in 2025 and 100 GW by 2030.

## FASTER GROWTH IN SOLAR POWER

Several agreements signed in 2020 and 2021 have expanded our portfolio. TotalEnergies has entered the fast-growing Spanish solar market with 5.3 GW of

photovoltaic projects developed with three partners: Powertis, Solarbay Renewable Energy and Ignis. In the United States, we announced our ambition in early 2021 to deploy 12 utility-scale solar and energy storage projects with a capacity of 1.6 GW

through a joint venture with 174 Power Global. Soon thereafter, another 2.2 GW of solar and 600 megawatts (MW) of energy storage projects were added to the portfolio. TotalEnergies is now developing close to 4 GW of renewable energy capacity in the United States.

## SPOTLIGHT:

To get the most out of intermittent energies, we are backing our power generation capacity with natural gas, the lowest-carbon fossil fuel. With the acquisition of EDP's portfolio in 2020, TotalEnergies gained two combined cycle gas turbine (CCGT) plants in Spain with a capacity of 850 MW. In Europe, we now have eight CCGT plants offering capacity of 3.5 GW, with an objective of 5 GW in 2025.



Wind farm in the Welsh Celtic Sea

## A MEANINGFUL ENTRANCE INTO OFFSHORE WIND POWER

TotalEnergies has staked out a strong position in offshore wind power with a project portfolio offering a cumulative capacity of around 5.5 GW.

In the United Kingdom, we've invested in Erebus, a pioneering floating offshore wind project in the Welsh Celtic Sea, and in Seagreen, the largest offshore wind farm project in Scotland. In a joint venture with GIG, TotalEnergies has also secured rights to a seabed lease off the coast of East Anglia. In South Korea, we have a 50-50 partnership

with Macquarie to develop a portfolio of five floating offshore wind farms. In France, we acquired stake in EolMed, a pilot floating wind project in the Mediterranean. And in Taiwan, we've entered into the Yunlin offshore wind farm currently under construction. TotalEnergies brings its expertise in offshore operations to this leading-edge industry.



# From Production to Marketing

We are continuing to develop across the electricity value chain, from production to marketing, to serve individual and business customers. We are also investing in energy storage, an indispensable part of the renewable energy landscape and a major challenge for the future of power grids.

## 13 MILLION CUSTOMERS IN EUROPE BY 2025

Present in the B2B gas and power markets in Belgium, Spain, the Netherlands and the United Kingdom, the Company entered the B2C markets with the acquisition of Lampiris in Belgium (2016) and Total Direct Energie in France (2018). In 2020, TotalEnergies also expanded into the Spanish residential market with the acquisition of EDP's portfolio of 2.5 million individual customers.

Thanks to this transaction, we will supply 8.5 million customers in Europe with gas and power as from 2021, putting us on track to meet our target of more than 13 million customers by 2025.

TotalEnergies intends to continuously improve its product lineup – notably its green offering based on renewables – and offer services to optimize energy consumption in alignment with customer needs as part of its ambition to get to net zero emissions.



8.5 million gas and power customers in Europe in 2021

## ENERGY STORAGE: THE SYSTEM'S BACKBONE

Large-scale energy storage is crucial for intermittent renewable energies to develop and comprise a significant share of the energy mix. TotalEnergies has commissioned France's largest battery storage site in the Port of Dunkirk. And in China, TotalEnergies has inaugurated a new strategic hub for producing energy storage solutions in Zhuhai via its Saft affiliate.

### SPOTLIGHT:

**TotalEnergies and Google Cloud have devised a new tool called Solar Mapper that can provide a quick and accurate estimate of the solar potential of residential rooftops, parking lot canopies and isolated buildings. This will help accelerate the development of solar self-consumption or sales, both for homes and for industrial or business properties.**



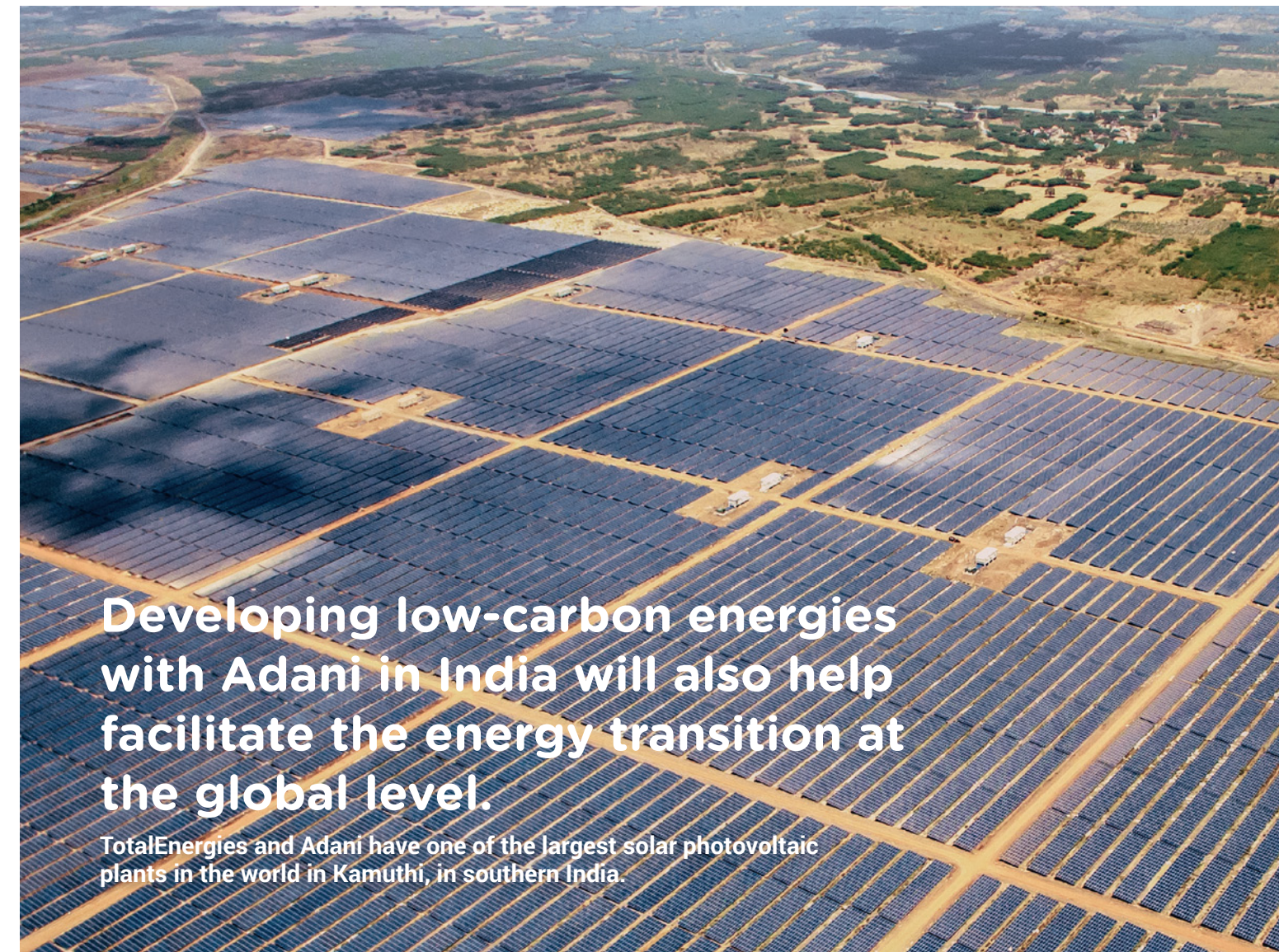
# India, a Shining Example of Our Broad Energy Strategy

India has embarked on a very large-scale energy transition process and is a key market for TotalEnergies. Our recent strategic alliance with Adani, India's largest infrastructure and energy conglomerate, allows us to diversify and develop two key components of our broad energy strategy in the country: natural gas and renewables.

India, with a population of 1.39 billion, is one of the world's fastest-growing economies.

Developing low-carbon energies is a national priority for the Indian government. Its ambitious objectives are to grow the share of natural gas in the energy mix from 6.5% in 2020 to 15% by 2030 and to triple the amount of electricity generated from renewable sources.

TotalEnergies intends to support India in its energy transition. To do that, we joined forces in 2018 with a local partner of choice: Adani. Our goal is to jointly develop a broad energy offering, first in natural gas with LNG imports and city gas distribution, and as from 2020 in renewable energies, primarily with solar power.



**Developing low-carbon energies with Adani in India will also help facilitate the energy transition at the global level.**

TotalEnergies and Adani have one of the largest solar photovoltaic plants in the world in Kamuthi, in southern India.

## AN EXPANDED PARTNERSHIP WITH ADANI

In 2020, TotalEnergies formed a 50-50 joint venture with Adani Green Energy Limited (AGEL), an Adani subsidiary specialized in renewable energies and the world's largest solar power developer. This joint venture will operate AGEL's existing solar farms in 11 Indian states. In 2021, TotalEnergies expanded its partnership with Adani by acquiring a 20% interest in AGEL. Overall, this is TotalEnergies' largest-ever investment in renewable energies.

### RENEWABLES

A 14.6 GW renewables portfolio, comprising primarily solar projects: 3 GW in operation, 3 GW under construction and 8.6 GW in the planning stage.

### NATURAL GAS

- A regasification terminal in Dhamra (5 million tons per year).
- LNG imports for large industrial customers.
- Distribution of city gas with a target of 4 million customers in 10 years.



# 2

## Gas

### Leveraging Natural Gas to Drive the Energy Transition

TotalEnergies is the world's second-largest global LNG player, and natural gas is a front-line component of our offering. Natural gas is the least greenhouse-gas-emitting fossil energy and a key partner to inherently intermittent renewable energies. It's also the best solution for decarbonizing maritime and road transportation, which emit considerable amounts of CO<sub>2</sub>. For gas to fully play its role in the energy transition, we are constantly working to reduce methane emissions – from our own facilities on through to the end customer – and investing in renewable gas.



# Natural Gas: Supporting Cleaner Mobility

Natural gas is one of the best available options for shrinking the environmental footprint of transportation, both on land and at sea. We are developing this energy source to support new mobility uses.

## BUILDING A GLOBAL MARITIME LNG INDUSTRY

LNG bunker reduces greenhouse gas emissions by around 20% compared with heavy fuel oil. It also significantly improves air quality by eliminating particulates and sulfur oxides. TotalEnergies is showing the way by upgrading our own shipping fleet with six LNG-powered tankers between now and 2023.

We are also adding LNG bunker vessels to supply our customers. Since November 2020, TotalEnergies has chartered the world's largest LNG bunker vessel, the *Gas Agility*, in the port of Rotterdam. Two others will follow by 2022 in Marseille and Singapore. Lastly, TotalEnergies has entered into the cruise industry with a contract to supply LNG to world cruise leader MSC Croisières.

## INAUGURATION OF FRANCE'S LARGEST NGV FILLING STATION

TotalEnergies located this new filling station in the center of the port of Gennevilliers, Europe's second largest inland port and the largest logistics platform in the Paris region. Open 24 hours a day to both business and individual customers, the filling station will supply natural gas for vehicle (NGV) and bioNGV. With this outlet, TotalEnergies is supporting transportation and logistics professionals as they switch their truck, utility vehicle, bus and other fleets to this alternative fuel. Our objective is to become a leading retailer of NGV and bioNGV in Europe.



The *Gas Agility* refuels a merchant vessel with LNG

### SPOTLIGHT:

**TotalEnergies is part of the Getting to Zero Coalition, an alliance of more than 140 companies in the maritime, energy, infrastructure and finance sectors. Working together, their shared objective is to decarbonize shipping.**



# Limiting Our Methane Emissions: A Critical Challenge

Methane is a powerful greenhouse gas. We have been working for many years to reduce our emissions to a minimum. Collective action and scientific progress are helping us curb emissions even more.

## AN ASSERTIVE, COLLECTIVE APPROACH

TotalEnergies has been involved in the United Nations Environment Programme's Oil & Gas Methane Partnership (OGMP) initiative since 2014. This partnership brings together businesses, governments and non-profits to more effectively manage and curtail methane emissions from oil and gas infrastructure. In 2020, the OGMP expanded its reporting framework to the entire natural gas chain, from upstream to downstream, for operated and non-operated installations.

## LEADING-EDGE TECHNOLOGIES TO DETECT GAS LEAKS

Managing fugitive emissions, which include accidental emissions, leaks and other releases, is a priority. TotalEnergies is at the leading edge of this battle thanks to a vast research program to develop innovative technologies to detect and measure methane emissions. Developed in partnership with the French National Center for Scientific Research (CNRS), drones are fitted with miniaturized sensors to quantify emissions, estimate their trajectory and identify their source so they can be kept close to zero.

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# < 0.1%

**OUR 2020 COMMITMENT:**  
Maintain the methane intensity of our operated gas facilities at close to zero.

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Drones equipped with methane sensors



# Accelerating in Renewable Gas

Biogas and low-carbon hydrogen are key resources for reducing the CO<sub>2</sub> emissions from our own and from customers' facilities. We intend to develop these resources to decarbonize the gas industry.

## A LEAP FORWARD IN BIOMETHANE PRODUCTION

TotalEnergies has become the French market leader in renewable gas with the acquisition of Fonroche Biogaz, a company that designs, builds and operates several anaerobic digestion units in France. In the United States, TotalEnergies is creating a 50-50 joint venture to produce bioNGV for mobility with Clean Energy Fuels Corp., in which it is the largest shareholder. With this move, the Company is demonstrating its commitment to developing a competitive renewable gas industry. The goal is to produce 4 to 6 terawatt-hours of biomethane per year by 2030.

### SPOTLIGHT:

**Biogas is a renewable gas produced by the fermentation of organic matter such as manure, crop residue, urban water treatment sludge and food waste. Its purification results in biomethane, which has the same properties as natural gas.**

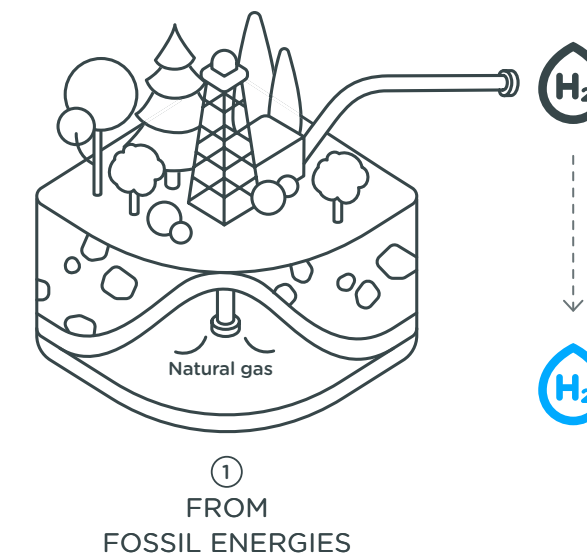
## A FUTURE GREEN HYDROGEN HUB IN FRANCE

At present, 95% of hydrogen is produced from fossil energies and is almost exclusively reserved for industrial uses in refining and chemicals. In the future, if carbon-neutral production processes are used, hydrogen will play a major role in decarbonizing industry, transportation and natural gas and in boosting the performance of renewable energies.

That's why TotalEnergies and ENGIE have joined forces to develop the largest green hydrogen production site in France. Situated in TotalEnergies' biorefinery in La Mède, the Masshylia project will be supplied with power from solar farms. Its electrolyzer will produce five tons of green hydrogen per day by 2024. The output will be used to supply the refinery with hydrogen for producing biofuel, thereby avoiding 15,000 tons of CO<sub>2</sub> emissions per year.

# Hydrogen, a Promising Energy Carrier

## Two Production Process and Three Colors



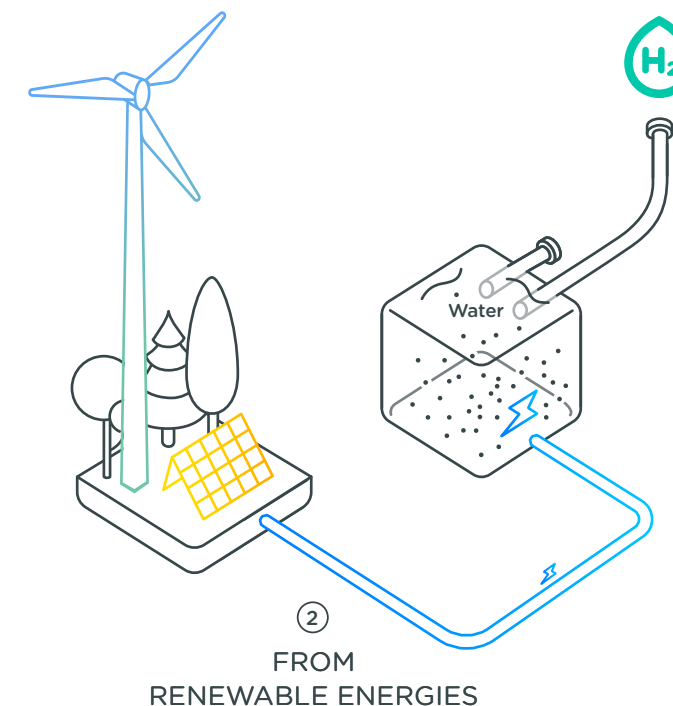
### Gray hydrogen

When exposed to very hot steam, natural gas reacts to produce hydrogen. This is the most widely used process, but it has the disadvantage of releasing CO<sub>2</sub>.



### Blue hydrogen

To decarbonize gray hydrogen, the released CO<sub>2</sub> can be captured and stored. This is what is known as blue hydrogen.



### Green hydrogen

Green hydrogen is produced via water electrolysis using renewable energies. Green hydrogen has the most attractive potential for the future.

## GREEN HYDROGEN'S FOUR AREAS OF APPLICATION

- It can be injected into natural gas networks, thereby helping to decarbonize them.
- It offsets the intermittent nature of renewable energies by offering a storage solution.
- It promotes the development of electric mobility when combined with a fuel cell.
- It helps decarbonize industrial processes.



# TotalEnergies, an Active Player in Sustainable Mobility

Electricity and hydrogen are an integral part of new mobility solutions. We support our business and individual customers in developing and using these energies and are working on ever-more innovative technologies.



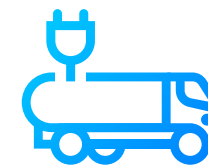
**150,000 CHARGE  
POINTS IN EUROPE  
BY 2025**

To make life even easier for its business and individual customers, TotalEnergies will be installing charge points all along their route, on roadsides, at workplaces, in parking garages, in shopping centers and more.



## BATTERIES FOR ELECTRIC VEHICLES

TotalEnergies, via its Saft affiliate, and Stellantis are uniting their expertise to launch large-scale production of batteries for electric vehicles in Europe as from 2023. Technologically, these batteries will be at the leading edge in terms of energy performance, driving range and charge time. Their production will make it possible to accompany fast-growing sales of electric vehicles.



## PURE ELECTRIC VEHICLES FOR AVIATION

In liaison with Saft and in partnership with Titan Aviation and Gaussin, TotalEnergies is renewing its refueling fleet with pure electric vehicles in order to make its airport operations carbon neutral.



## 500 KM OF DRIVING RANGE IN 10 MINUTES

The development of hydrogen as a fuel will start with trucks and buses. Compared with electricity, hydrogen offers greater driving range and shorter fueling time. TotalEnergies is currently rolling out hydrogen filling stations in Germany, the Netherlands, Belgium and France.



## A CHARGE POINT EVERY 150 KM IN FRANCE BY 2023

TotalEnergies is staking out a position in the electric mobility market with an integrated offering that includes the supply of electricity, deployment and management of charge points and provision of related mobility services. By 2023, 500 service stations - of which 300 on major highways - will be equipped with charge points.



## MISSIONH24: LAB OF THE FUTURE

Motor sports play a key role in innovation. TotalEnergies is participating in the MissionH24 project to enter hydrogen-powered racecars in France's 24 Hours of Le Mans race in 2024. We have developed the first mobile hydrogen filling station to install trackside for the race.



# 3

## Liquids

### Satisfying Global Demand and Decarbonizing Petroleum Products

Getting to a net zero society will require deep changes in the global energy mix. While oil consumption will stabilize and then decline, the world will still need hydrocarbons in the coming decades to meet rising energy demand. That's why we are continuing to develop new oil projects that are balanced in terms of cost and carbon intensity. At the same time, we are further reducing emissions related to the production and use of oil by avoiding the release of greenhouse gases into the atmosphere, making our facilities more energy efficient and developing renewable fuels such as renewable diesel and sustainable aviation fuel.



# Selective and Sustainable Oil Production

In a volatile oil and gas market, our strategy is to invest selectively in projects with competitive production costs. Our investment objective is to focus on quality over quantity.

## HIGH-PERFORMING DEVELOPMENTS OFF THE COAST OF BRAZIL

In Brazil, TotalEnergies is focusing on offshore projects that allow it to produce barrels at a competitive cost. One example is Mero, a deepwater field located 180 kilometers off

the coast of Rio de Janeiro where several discoveries have already been made. Off the coast of Santos, a new unit has doubled output from the Lara field, which produced first oil in 2019. Thanks to developments under way on the Mero, Lara and Lapa projects, TotalEnergies should see its equity production rise to 150,000 barrels per day by 2025.

## TARGETED EXPLORATION

TotalEnergies has made a series of discoveries off the coast of Suriname. Four deep-water exploration wells have produced encouraging results that confirm the area's potential for delivering significant volumes with low development costs. We also made two promising gas and condensate\* discoveries during the year in the U.K. North Sea and off the coast of South Africa.

\* Condensate is a type of very light oil coming from certain natural gas fields.

## SPOTLIGHT:

**TotalEnergies and its partners have signed the final agreements to develop two oil projects in Uganda. We are committed to making them exemplary projects carried out in full transparency.**



Floating production unit off the coast of Brazil



# Avoiding and Reducing Emissions at Our Industrial Sites

Reducing greenhouse gas emissions from our operations is the first challenge we need to meet to achieve our objective of getting to net zero by 2050.

More than 500 projects were identified in 2020 to lower our Scope 1 & 2\* emissions.

## GREENER ELECTRICITY

Thanks to the development of its solar portfolio, TotalEnergies is in a position to supply its industrial sites with green energy. In the United States, solar energy will cover all the electricity needs of our local facilities, including the Port Arthur refining and petrochemicals complex and the La Porte and Carville petrochemicals sites. In addition, the portfolio of solar projects acquired in Spain in 2020 will cover all the electricity needs of our industrial, commercial and office sites in Europe by 2025.

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

## ENERGY EFFICIENCY SUPPORTED BY DIGITAL TECHNOLOGY

TotalEnergies has improved the energy efficiency of its industrial facilities by 1% a year since 2010 and intends to pursue this drive in the 2020s and beyond.

Digital technologies are a useful accelerator here, with solutions like energy management systems, communicating sensors and optimized cleaning of heat exchangers lifting energy performance.



Digital inspection round in a refinery

# 100%

Renewable energies will cover 100% of our electricity needs in Europe by 2025, helping us keep nearly 2 million tons of CO<sub>2</sub> per year out of the atmosphere.

# Developing Our Offering of Renewable Fuels

Renewable fuels make it possible to cut CO<sub>2</sub> emissions from transportation by at least half in relation to their fossil equivalents. For this reason, they are a major focus for meeting the net zero challenge. Our objective is to produce 5 million tons of renewable fuels a year by 2030.

## SUSTAINABLE AVIATION FUEL

Sustainable aviation fuel (SAF) can be used as of now, without modifying supply chain infrastructure, aircraft or engines. This makes it a tangible alternative to fossil-origin jet fuel. When blended with jet fuel, SAF significantly reduces CO<sub>2</sub> emissions from air transportation. In France, TotalEnergies has successfully launched production of SAF made from waste and residues sourced from the circular economy. We also plan to produce SAF at our Grandpuits facility, which will be converted into a zero-crude complex by 2024. In this way, TotalEnergies will be in a position to meet changing French legislation, which calls for aircraft to use at least 1% SAF by 2022, 2% by 2025 and 5% by 2030 blended into fossil-origin jet fuel.

### SPOTLIGHT:

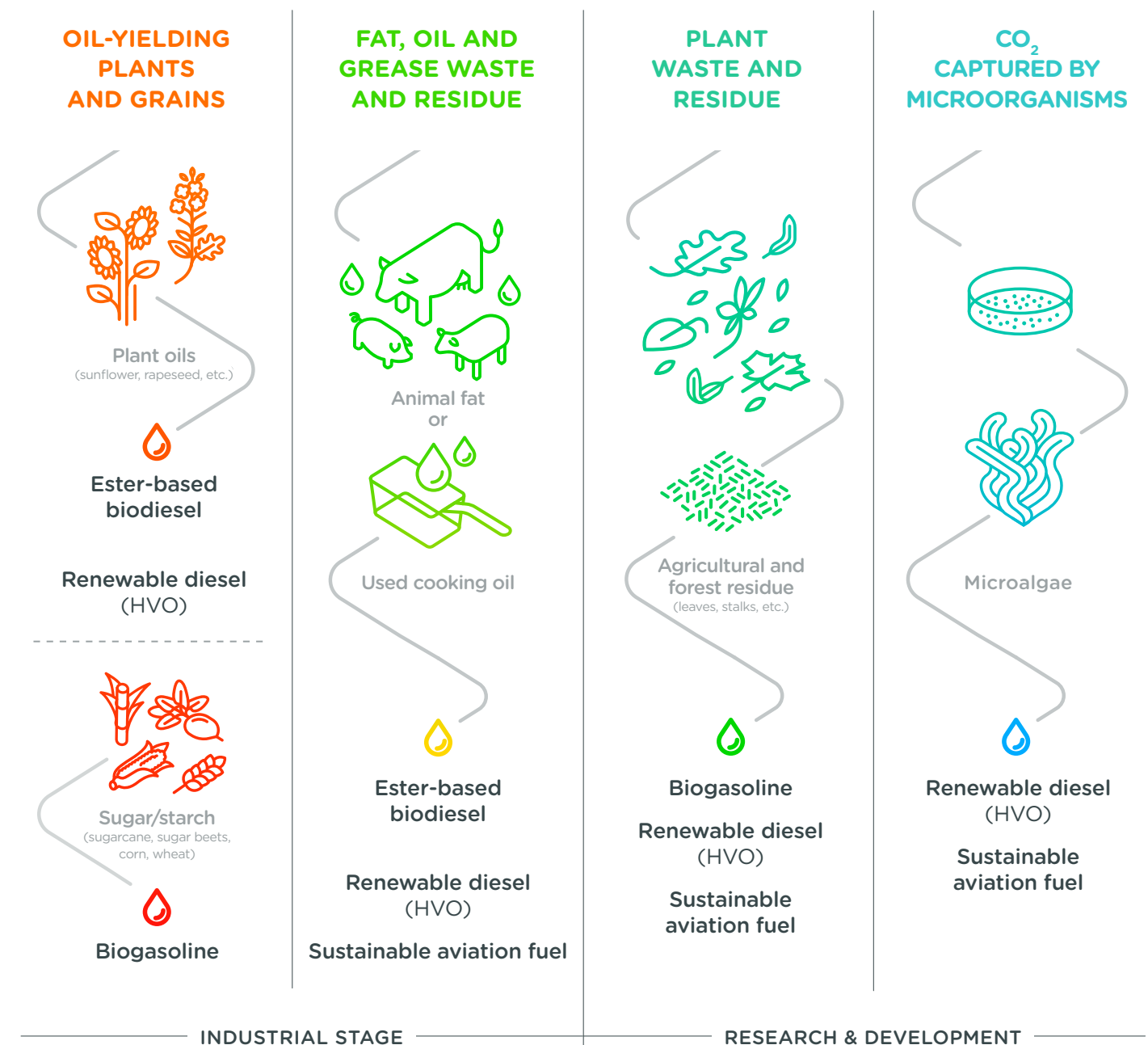
**A new generation of synthetic fuels known as e-fuels are in the experimental R&D stage. Made using low-carbon electricity and CO<sub>2</sub> captured from the atmosphere or biomass, they are carbon neutral and will be able to be blended with fossil-based fuels in unlimited proportions.**

## TOWARDS A CIRCULAR ECONOMY FOR PLASTICS

TotalEnergies is investing in recycling and bioplastics, with the goal of producing 30% of its polymers from recycled materials by 2030 and becoming the global leader, in partnership with Corbion, in polylactic acid (PLA), a bio-based, compostable and recyclable bioplastic. By 2024, a second PLA production unit will come on stream at the Grandpuits complex, along with the first chemical recycling plant in France, in partnership with U.K.-based Plastic Energy. Mechanical recycling is another part of the picture, via our Synova affiliate. TotalEnergies has doubled its production capacity for high-performance recycled polypropylene to serve the automotive industry, a segment in which it is the French leader.

# What Are Biofuels?

Biofuels are made from biomass, meaning that they are processed from plant, animal or organic materials.



We are a major player in biofuels, both in production (renewable diesel and sustainable aviation fuel), distribution (biogasoline and ester-based biodiesel) and research (microalgae).



# 4

## Carbon Storage

### Investing in Carbon Sinks

In addition to our initiatives to reduce our greenhouse gas emissions and the carbon intensity of the products we sell, sequestering carbon is a critical driver for getting to net zero by 2050. This means carbon sinks have a crucial role to play. For more than 10 years, we have been forging partnerships to accelerate carbon capture and storage research and projects. We are also investing in natural carbon sinks such as forests and regenerative agriculture.



# Creating a Carbon Capture and Storage Value Chain

To get to net zero by 2050, we are co-developing large-scale sustainable carbon capture and storage (CCS) solutions.

## IN THE FRONT LINES OF DIGITAL TECHNOLOGY

For the past two years, we have been working with Stanford University, Lawrence Livermore National Laboratory and the U.S. Department of Energy to develop a high-performance open-source simulator for large-scale geological carbon dioxide storage. Another research partnership with U.K. start-up Cambridge Quantum Computing aims to develop new quantum algorithms to improve materials for CO<sub>2</sub> capture.

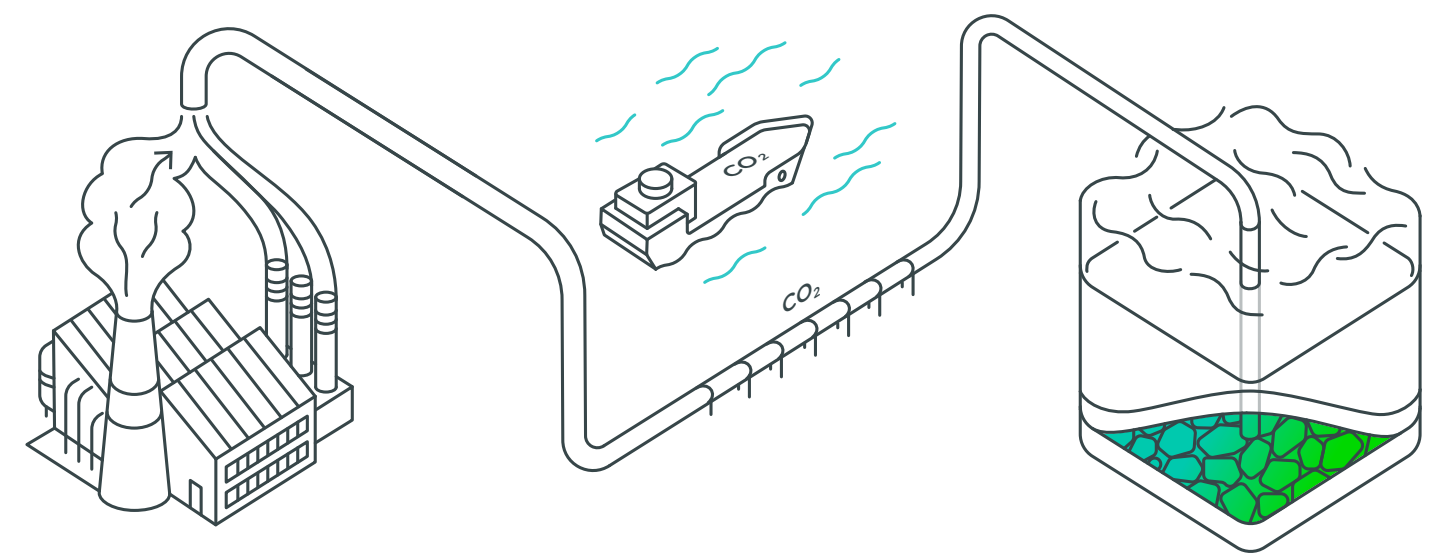
## NORTHERN LIGHTS: A PIONEERING PROJECT IN EUROPE

In 2020, TotalEnergies invested in a major project in Norway alongside Equinor and Shell that involves shipping CO<sub>2</sub> to the North Sea for injection and storage in a geological reservoir situated around 2,500 meters under the seabed. The installations will make it possible to sequester up to 1.5 million tons of CO<sub>2</sub> per year as from 2024.

# \$100M

Annual amount devoted to CCS R&D and industrial pilot projects by TotalEnergies

## The Three Steps of Carbon Capture and Storage



1

### CAPTURE

CO<sub>2</sub> is captured directly from stack emissions at industrial sites where it is separated from other flue gas components.

2

### TRANSPORTATION

Once it has been compressed or liquefied, the CO<sub>2</sub> is transported by pipeline or ship to the place of storage.

3

### STORAGE

The CO<sub>2</sub> is injected into impermeable rock formations more than 1,000 meters below the surface for permanent storage. These formations include salt aquifers and depleted oil and gas reservoirs.



# Investing in Natural Carbon Sinks

We are investing to preserve and develop ecosystems that store carbon naturally, with the goal of achieving annual sequestration capacity of 5 to 10 million tons of CO<sub>2</sub> by 2030.

## 40,000 HECTARES OF PLANTED FOREST IN THE REPUBLIC OF THE CONGO

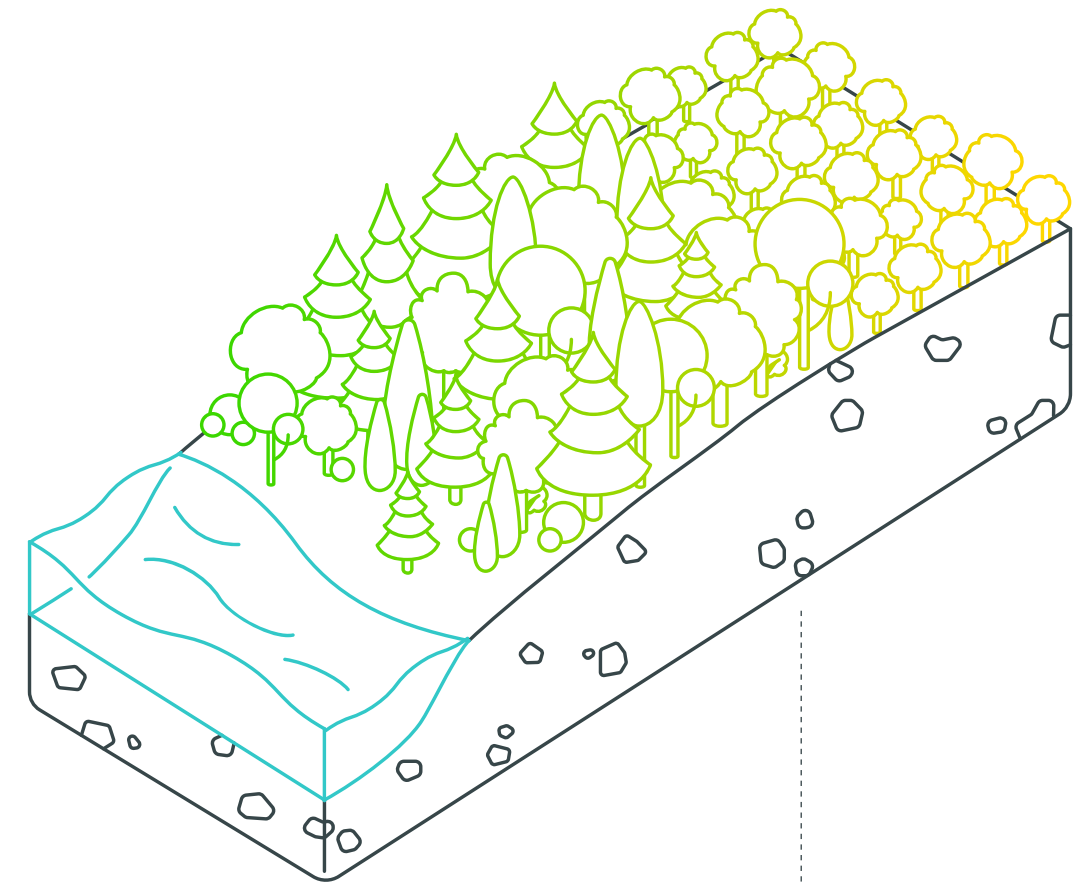
TotalEnergies and Forêt Ressources Management have signed a partnership agreement with the Republic of the Congo to plant a 40,000-hectare forest on the Batéké Plateau. The new forest will create a carbon sink that will sequester more than 10 million tons of CO<sub>2</sub> over 20 years, to be certified in accordance with the Verified Carbon Standard (VCS) and Climate, Community & Biodiversity (CCB) standards.

## ACHIEVING NET ZERO

TotalEnergies does not intend to trade these carbon credits; they will be produced solely for the purpose of achieving carbon neutrality for the Company's own Scope 1 & 2 emissions. We will publish an annual report with details of carbon credits certified, stored and used as from 2030.

**\$100M**  
Average amount TotalEnergies aims to invest each year to develop natural carbon sinks

# The Carbon Cycle



Four major reservoirs store carbon in different forms:

- The atmosphere, in the form of gas
- The biosphere, in the form of organic matter (including forests)
- The oceans, in the form of limestone, dissolved CO<sub>2</sub> and marine fauna and flora (plankton)
- The sub-surface, in the form of rocks, sediment and fossil fuels<sup>(1)</sup>

Thanks to photosynthesis, the biosphere absorbs part of the carbon released by human activity into the atmosphere. In the biosphere, forests are the main carbon sinks. According to estimates, they absorb a net 9.5 billion tons of CO<sub>2</sub> each year<sup>(2)</sup>. Deforestation, on the other hand, increases CO<sub>2</sub> emissions.

The nature-based solutions developed by TotalEnergies are designed to preserve these natural carbon sinks by conserving existing forests or planting new ones. We also invest in regenerative agriculture and wetlands. The benefits are measured in tons of sequestered carbon and certified in accordance with recognized standards.

(1) <https://www.statistiques.developpement-durable.gouv.fr/edition-numerique/chiffres-cles-du-climat/2-causes-du-changement-climatique>

(2) IPCC Fifth Assessment Report (AR5 – 2014)





# A Company Full of Energies

TotalEnergies is on the move, and people are at the center of our collective project and values. Through their diversity, individual engagement and talent, our employees are the energy that keeps us moving.

More than  
**100,000**  
EMPLOYEES

**58%** OF MANAGERS HIRED IN 2020 WERE NON-FRENCH

**25%** OF OUR SENIOR EXECUTIVES ARE WOMEN, VERSUS 18% IN 2014

## DIVERSITY

*"In Latin America, sexual orientation and gender identity are rarely - if ever - discussed in the workplace.*

*That's why we took advantage of Diversity & Inclusion Week to address this issue. At TotalEnergies, we open up conversations and dialogue because trust, acceptance of diversity and non-discrimination in general are vital to our creativity and collective performance."*

— **LUIS-DAVID RODRIGUEZ**,  
Managing Director TotalEnergies Especialidades,  
Marketing & Services, Argentina

## SOLIDARITY

### OUR EMPLOYEES GET INVOLVED WITH ACTION!

TotalEnergies Foundation's Action! program gives all employees an opportunity to volunteer in community programs for up to three workdays each year. More than 7,500 employees have participated in more than 10,000 initiatives with partner non-profits in more than 70 countries since Action! was launched in 2018.

*"Entering the workforce is a major change in a person's life. I wanted to do something useful with Jeunes@Work, a non-profit that helps students and young graduates succeed in the job market. I gave five young people from a variety of backgrounds advice on presenting their educational and job history, emphasizing their strengths and making the connection between their experience and a company's expectations. It was a good way for me to combine my profession - human resources - and my desire to contribute outside of work."*

— **JULIEN CAPRI**,  
HR Transformation & Compensation Advisor, Trading & Shipping,  
Europe

**750**  
PROFESSIONAL  
COMPETENCIES

Close to  
**160**  
NATIONALITIES

### TOTALENERGIES COMMITS TO YOUTH EMPLOYMENT WITH L'INDUSTREET

In 2019, in France, some 90,000 young people (or 10%) left school without receiving their diploma. At the same time, 200,000 jobs were vacant in industry.



To resolve this contradiction, TotalEnergies Foundation created L'Industreet, a campus for the industry professions of tomorrow. Located in Stains, north of Paris, the campus opened in late 2020 and will train around 200 learners, aged 18 to 25, free of tuition in 2021. In 2022, 400 students will join the school, half of them young women.

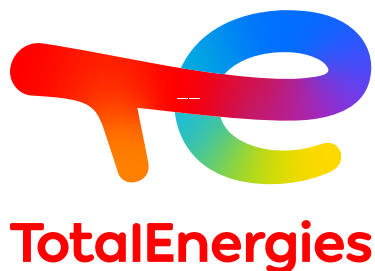


## TotalEnergies is a broad energy company

that produces and markets energies on a global scale: oil and biofuels, natural gas and green gases, renewables and electricity.

Our 105,000 employees are committed to energy that is ever more affordable, clean, 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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