



A Major Player in Renewable Energies



TotalEnergies

1.3GW

TotalEnergies operated more than 1.3 GW of gross installed capacity for renewable power generation in France at end-2021.

Our goal: more energy, less emissions



Electrifying the economy is one of the key paths to reducing global CO₂ emissions. The process is well under way, as power consumption rose by 2.6% annually between 2010 and 2019, which is nearly twice the rate of growth in energy use. TotalEnergies is actively contributing to this trend and intends to invest between 2 and 3 billion dollars each year in renewables and electricity by 2030.



>10GW



Gross installed capacity for renewable power generation worldwide at end-2021

Under the International Energy Agency's Sustainable Development Scenario, renewable energies would account for more than 40% of the global energy mix in 2040. To reinforce our growth in this area, TotalEnergies is investing in capacity for power generation (primarily solar and wind) and storage.

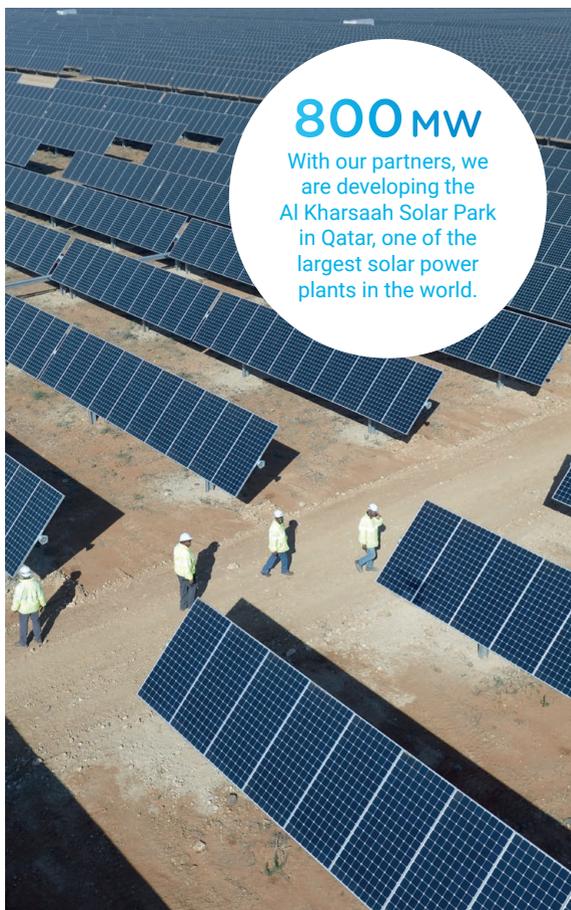
100GW



Target gross installed capacity for renewable power generation by 2030

We are integrated across the electricity value chain, from power generation and storage to trading and distribution, so we can fully play our role in the energy transition.

Proven expertise in the development of large solar and wind power plants



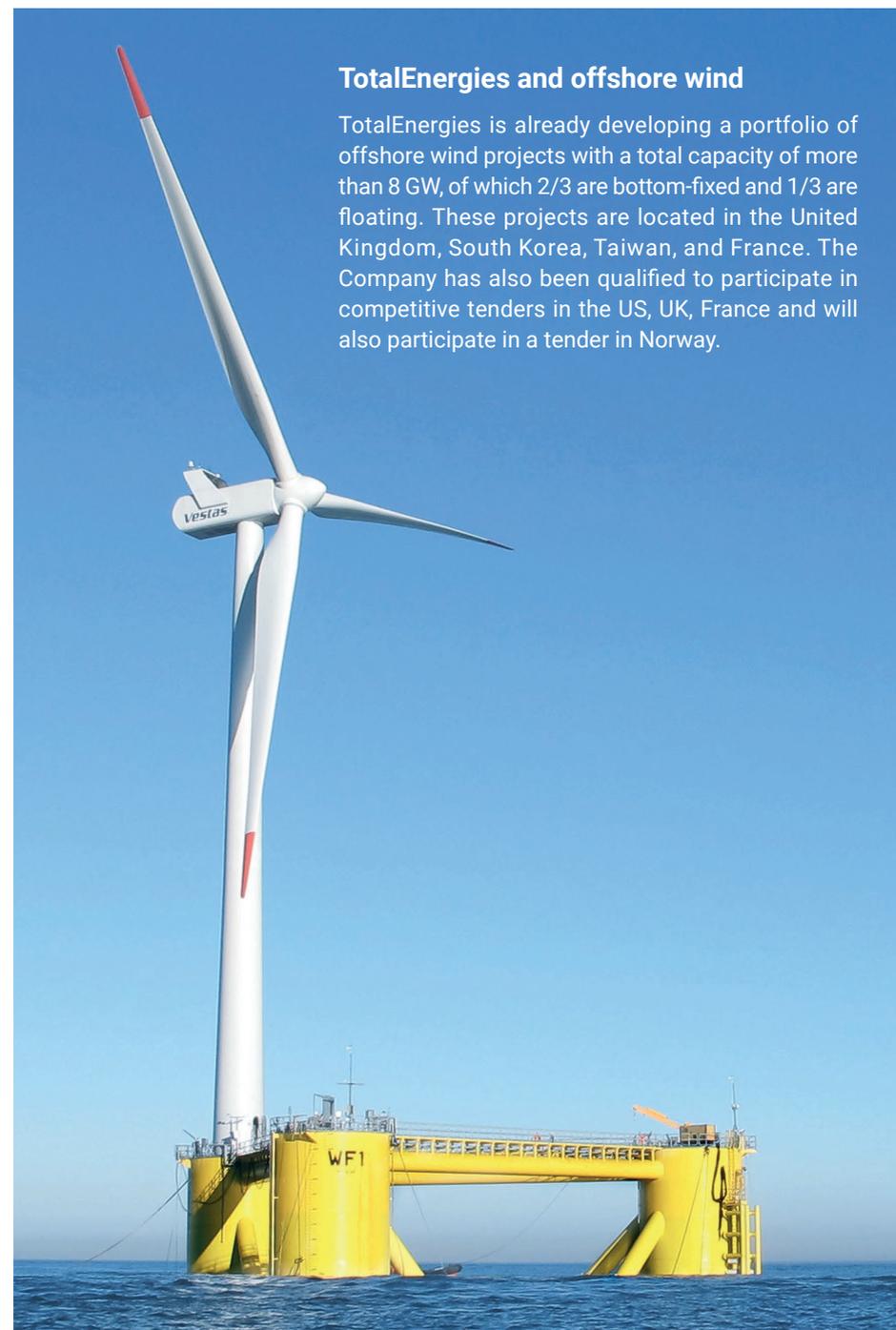
South Africa

Sun and wind are inexhaustible energy sources. We convert them into electricity by developing solar and wind farms in numerous countries worldwide. On the strength of our long-standing presence in regions across the globe, we deliver projects that promise reliability from day one, backed by long-term guarantees.



Portugal

Speed and quality execution are our guiding principles. We design, finance, build and operate plants that we deliver to our customers on a turnkey basis. Our goal is to generate value for all stakeholders.



TotalEnergies and offshore wind

TotalEnergies is already developing a portfolio of offshore wind projects with a total capacity of more than 8 GW, of which 2/3 are bottom-fixed and 1/3 are floating. These projects are located in the United Kingdom, South Korea, Taiwan, and France. The Company has also been qualified to participate in competitive tenders in the US, UK, France and will also participate in a tender in Norway.

Supporting growth in decentralized power generation

Residential consumers, municipalities and businesses are all looking for opportunities to manage their power generation – and consumption – at the local level. In response, we give customers the option of installing customized photovoltaic solar solutions

on their rooftops, parking lot canopies or unimproved land.

The upsides are that customers can make a long-term commitment to the climate while producing energy for their own consumption and cutting their energy costs.



◊ Dubai, United Arab Emirates

TotalEnergies' solarization program

In late 2016, TotalEnergies embarked on a program to solarize 4,500 service stations in 57 countries. At the same time, we have been taking steps to solarize our industrial and commercial sites, such as production plants, offices and refineries. With more than 2,000 solarized service station as of end-2021, we have developed hands-on expertise that we can tap into to help customers who want to solarize multiple sites in one or more countries.



◊ France



Energy storage: a crucial component in the development of renewable energies

Because solar and wind are inherently intermittent, the deployment of electricity storage solutions – notably battery storage – is essential to ensuring power grid stability. In Dunkirk, TotalEnergies, in collaboration with

its affiliate Saft, launched the largest battery-based energy storage site in France (61 MW). Saft specializes in advanced technology battery solutions for industry, from design and development to production.

ENHANCING GLOBAL PRODUCTION CAPACITY FOR ENERGY STORAGE SOLUTIONS (ESS)



China

After Bordeaux, France and Jacksonville, Florida (USA), Saft inaugurated a new production facility for energy storage solutions in Zhuhai, China in 2020. The 6,600-square-meter facility will produce around 200 containers per year, equivalent to around 500 MWh of energy storage. This lifts the company overall ESS production capacity to 300 containers, or 700 MWh of energy storage.

A global presence in renewables

Thanks to the power of our international network and the expertise of our dedicated teams, we can meet all your renewable energy project needs, from solar and wind farms to decentralized photovoltaic systems and energy storage solutions, wherever you are located. To achieve our ambition of 100 GW of gross installed capacity for renewable power generation by 2030, we have developed a network of 50 *Renewables Explorers* in 60 countries.



Solar
 Wind

≈ 40
countries in
which we have
renewable activity.



The strength of an integrated global company

Backed by a century of experience in the energy industry, a presence in more than 130 countries and an ingrained culture of partnership, we offer recognized expertise in managing large-scale projects and detailed knowledge of the legal and institutional environment in numerous countries. In addition, we comply with the most stringent HSE standards at every stage of a project, everywhere we operate.



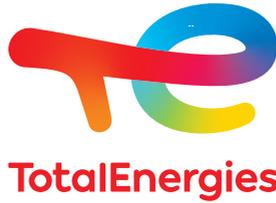
Turnkey solutions

Thanks to our integrated model, we can provide customers with ways to optimize their energy consumption, for example with hybrid solutions, batteries, electric vehicle charging stations and energy efficiency services.

TotalEnergies is diversifying its energy mix and revisiting its products to gradually reduce the average carbon content of its energy product mix, notably through the development of renewable energies. To find out more, read our "Getting to Net Zero" climate report.

TotalEnergies is a global multi-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, 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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