

**TotalEnergies**

# Offshore wind – the battle ground of the majors

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TotalEnergies



OIL



NATURAL  
GAS



ELECTRICITY



HYDROGEN



BIOMASS



WIND



SOLAR

# Our key figures



**105,000**  
employees worldwide



Active in more than  
**130** countries



**\$4.1 bn**  
in adjusted net income  
in 2020, demonstrating  
our resilience



more than  
**4,000**  
researchers in  
our 18 R&D enters



**±\$1 bn**  
invested in R&D in  
2020, of which 40%  
on carbon reduction



**\$2 bn**  
invested in renewables  
in 2020



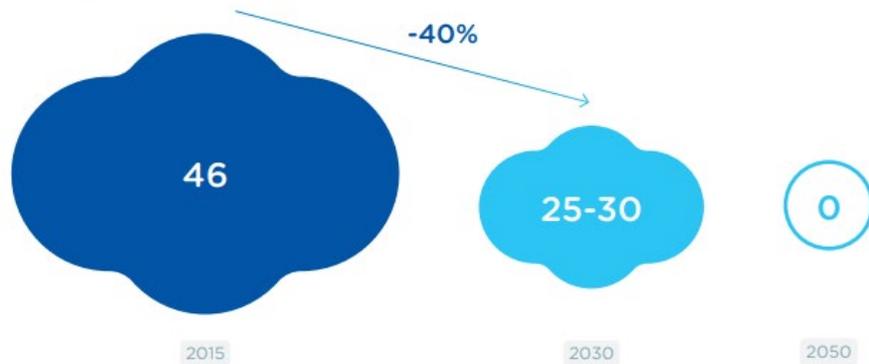
**\$100 m**  
annual amount devoted to  
CCS R&D and industrial pilot  
projects by TotalEnergies

# Net Zero by 2050: 3 major steps to reach carbon neutrality

# 1

Net Zero on Operations by 2050 (scope 1+2)

Reduce our direct emissions to Net Zero by 2050 (in MtCO<sub>2</sub>e)



# 2

Net Zero in Europe by 2050 or sooner (Scope 1+2+3)

# 3

60% or more Net Carbon Intensity reduction by 2050 (scope 1+2+3)



# We are transforming into a broad energy company: Changing our future energy mix

## Focus on natural gas, biogas and hydrogen



- Expanding in liquefied natural gas (LNG) and developing renewable gas
- Promoting natural gas, an ally of the energy transition for electricity generation, heating and travel.

## Building a world leader in electricity



- Increasing investment in low-carbon electricity, mainly from renewables
- Developing an integrated model for electricity, from production to sale.

## Decarbonizing and saving liquid energies

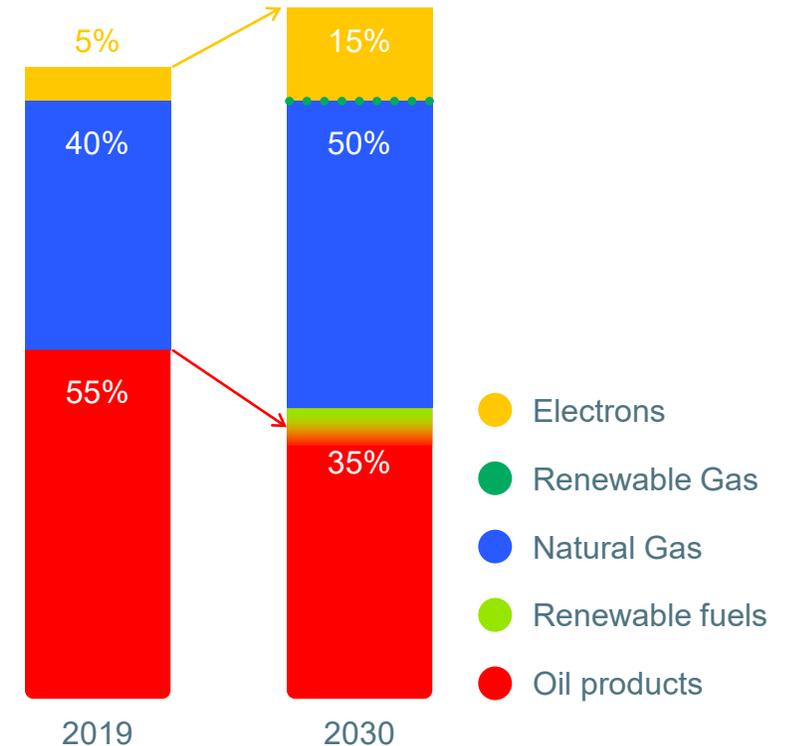


- Focusing on the most resilient oil projects by preferring value to volume
- Adapting our refining capacity and sales to changing demand and increasing our production of renewable fuels.

## Developing carbon sinks



- Continuing to invest in natural carbon sinks (forests, regenerative agriculture and wetlands) and technologies for the capture and storage of CO<sub>2</sub>



# By 2030 we aim to be top 5 in renewable energies



## \$60 billion

in renewable projects to be financed over 10 years



### Renewable Energies (gross capacity in Gigawatt)

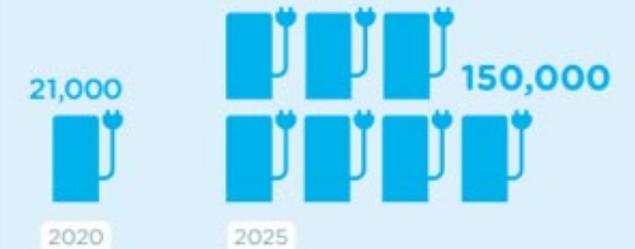


\*100 GW is almost twice the installed capacity of the French nuclear fleet (60 GW)

### Gas & Power customers (in Millions)



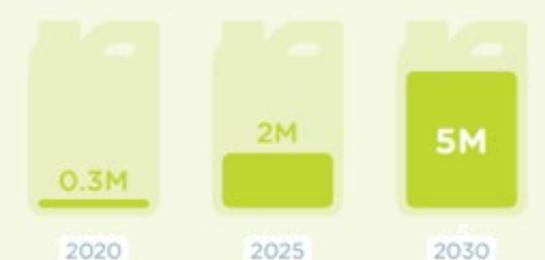
### EV Charge Points



### Biogas production (in Gigawatt-hours/year)



### Biofuels production (in Tons/year)



# Our offshore wind projects around the world

Well-positioned in leading regions for offshore wind



## 6 GW

of projects in development and construction

## >3,5 GW

bottom-fixed offshore wind



## ~2,5 GW

floating offshore wind

## EUROPE



**Seagreen 1 + 1A**  
1,140 + 360 MW  
In construction / Pre-FID  
In operation : 2023-2024



**Erebus + Valorous**  
96 + 300 MW  
In development  
In operation : 2026-2029



**Round 4**  
1,500 MW  
In development  
In operation : 2030



**Eolmed**  
30 MW  
Pre-FID  
In operation : 2023

## ASIA



**Bada**  
2,000 MW  
In development  
In operation : 2027-2028



**Yunlin**  
640 MW  
In construction  
In operation : 2022