



**REPSOL**

# Low Carbon Day

Boosting the Transition

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CEO



**The Repsol Commitment  
Net Zero Emissions  
by 2050**



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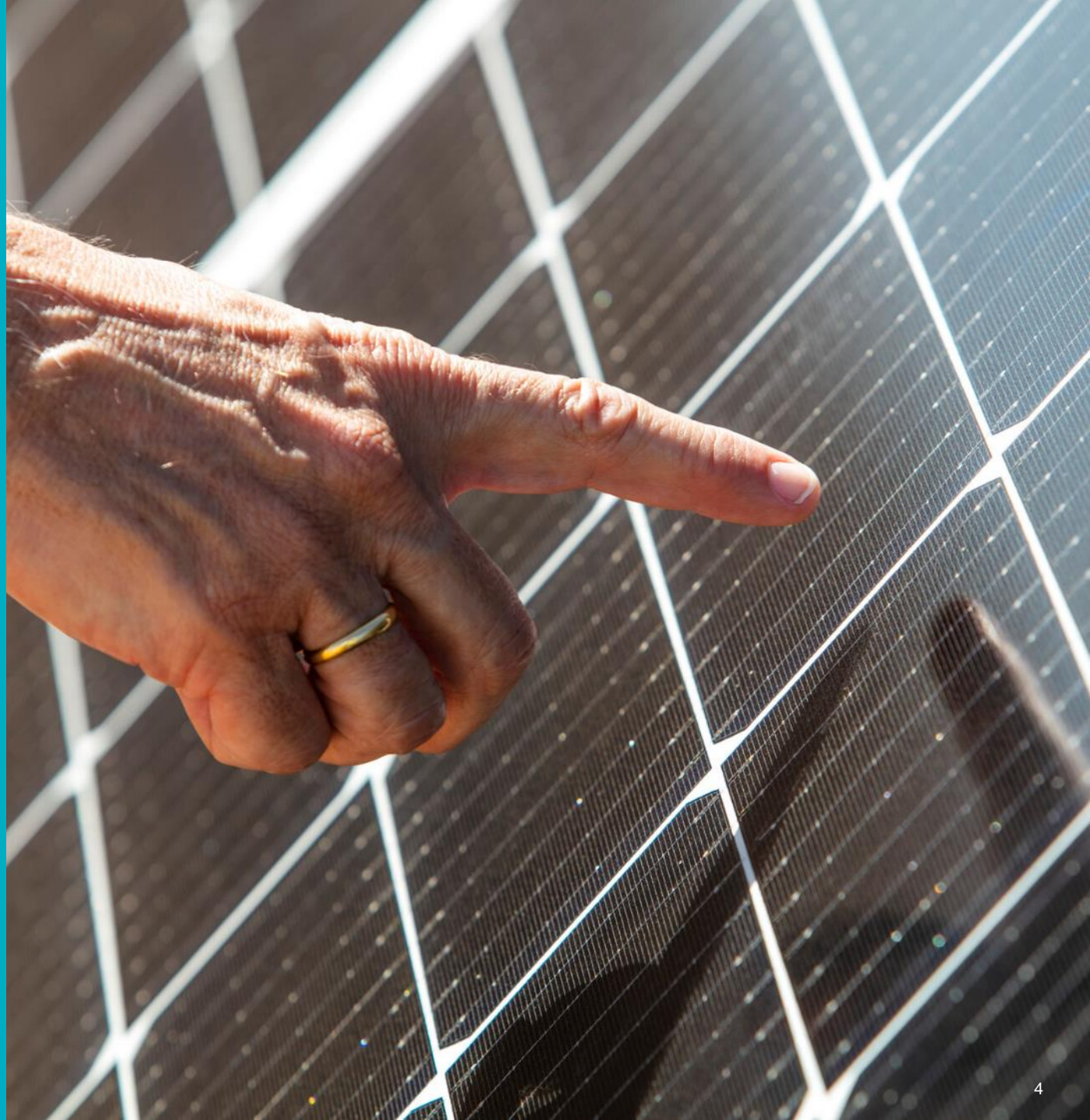


# 01.

## Repsol Strategy recapitulation



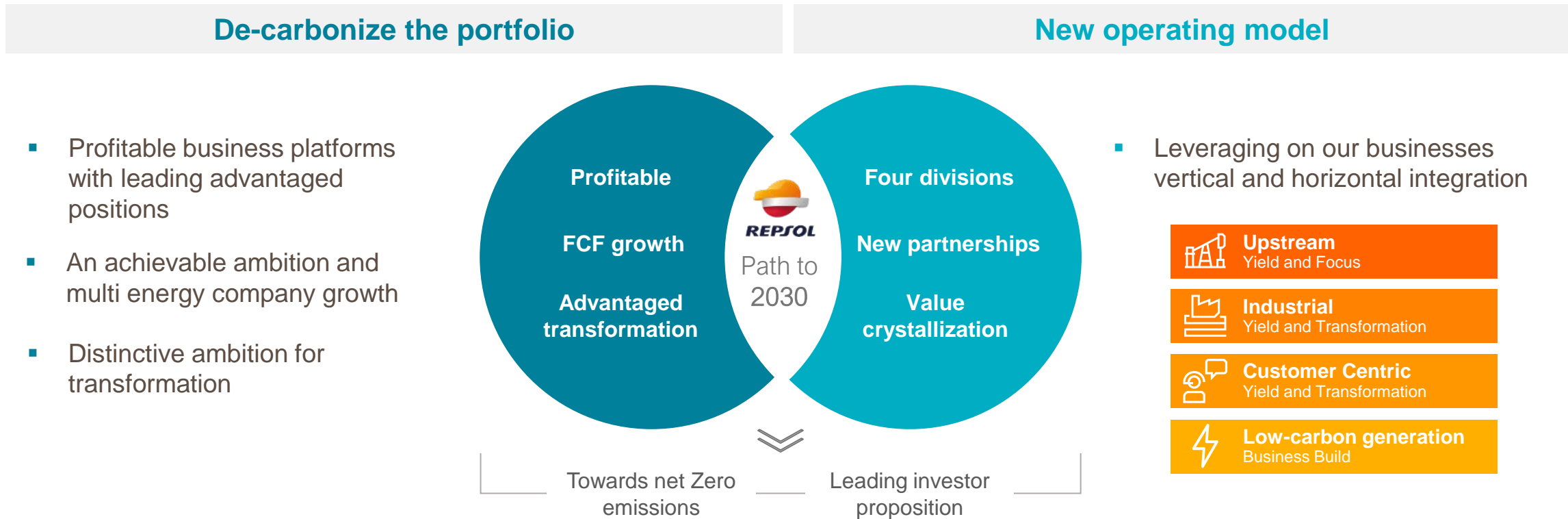
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## 01. Repsol Strategy recapitulation

# Decarbonizing the portfolio

Repsol Strategic Plan 21-25 is a transformation story, based on decarbonization, and will be done in a way that benefits Repsol as a whole



## 01. Repsol Strategy recapitulation

# Repsol with the right ambition and more feasible

Repsol's transformation story has a distinctive approach and differentiated starting point, with a right ambition and scale to afford decarbonization

the right  
ambition

a credible  
size

a well-suited  
play

- De-carbonization as a **business opportunity** creating profitable Transition growth platforms
- **More credible and feasible ambition**, right aligned with allocated Capex
- **Legacy business** providing cash-flow to enable the transition
  
- **Large enough** to build a leading player in the Energy Transition
- **Small enough** in the O&G universe to feasibly transform the portfolio with attractive opportunities
  
- **Customer leadership in Iberia** with differential **brand** over competitors
- **Tier#1 industrial sites** provide unmatched platforms for emerging de-carb business
- Iberian peninsula with local advantages on project economics (green H<sub>2</sub>, e-fuels, circularity), provided by a **large renewable resource base**



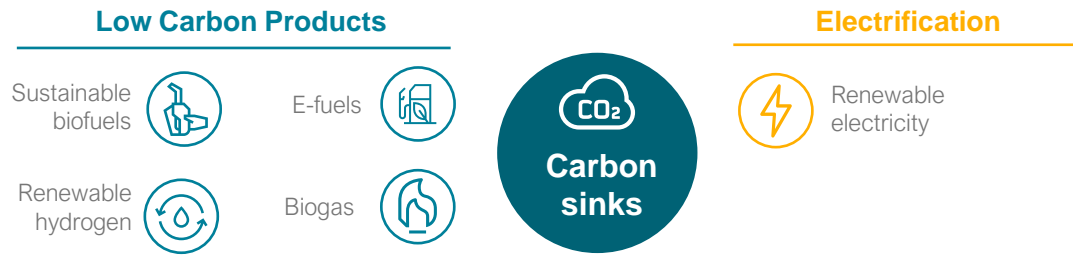
# 01. Repsol Strategy recapitulation

## Decarbonizing through a hybrid platform

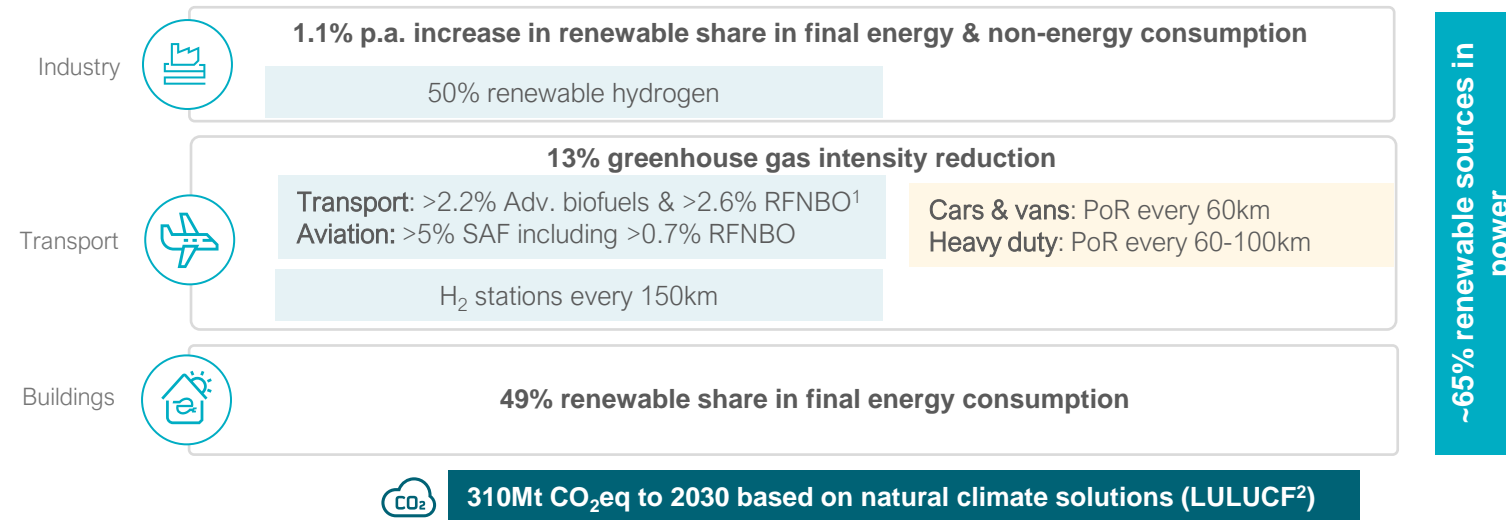
Fit for 55 package reinforces Repsol's vision in which a combination of electrification and low carbon products is the best solution to decarbonize the economy



Repsol's hybrid solution supports a **cost-efficient transformation** based on competitive advantages.



Fit for 55 package relies both on electrification and low carbon products as levers to achieve the emissions reduction target.



Repsol is present in all decarbonization value chain as a **multi-energy provider**

1. RFNBO: Renewable Fuels of Non-Biological Origin, SAF: Sustainable Aviation Fuels  
 2. LULUCF: "Land use, Land-use change and forestry"



# 02.

## Low carbon strategy progress



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## 02. Low carbon strategy progress

# Building on our commitment since Net Zero announcement

Repsol today has a relevant low carbon portfolio, moving forward in 2021



**+€300 M Capex in Low Carbon Businesses vs Previous 2021 guidance, accounting for >30% of 2021 Capex**

1. Operating capacity of Delta I (335 MW), Cabo Leonés III phase I (78 MW – 50% WI) and hydro assets (699 MW)  
 2. Spain Market share in volume; value for 2019  
 3. Including customers from Gana Energía

## 02. Low carbon strategy progress

# Low carbon business platforms:

## Industrial Transformation: Low Carbon Products

**1.9 GWeq**

Increased renewable H<sub>2</sub> ambition by 2030

- +40% increased 2025 ambition to 0.55 GWeq
- +60% increased 2030 ambition to 1.9 GWeq
- Three-way route: electrolysis, biomethane and photo electrocatalysis (long-term)
- E-fuels demo plant underway
- 2.5 MW electrolyzer in Petronor by 2022

**2 Mton**

Low carbon fuels<sup>1</sup> by 2030

- 1.3 Mton of low carbon fuels to 2025
- Advanced HVO, the best option to comply with the legislation and grow in biofuels generating value
- First biofuels marketer in Spain
- Multi-technology and raw material approach

**+20%**

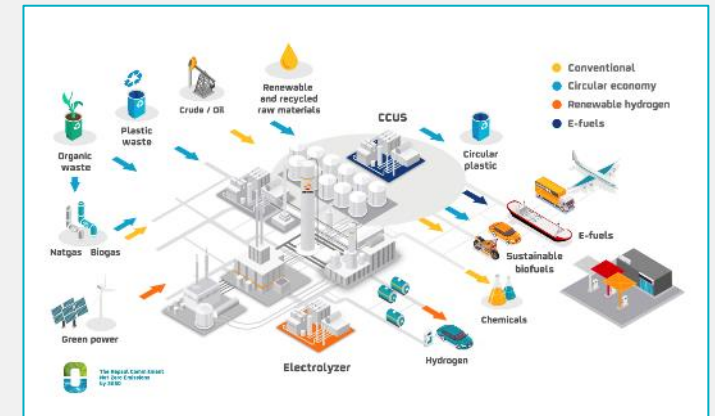
Recycled polyolefins by 2030

- 10% recycled polyolefins by 2025
- Chemical and mechanical recycling

**Maximizing Value through partnerships**

1. Considering gross capacity of projects developed by 2030

## Energy parks that fit into a more sustainable future



**0.8**

Mtpa CO<sub>2</sub> reduction from efficiencies by 2025

**3**

Mtpa waste<sup>1</sup> avoided by 2030

**>7**

Mtpa CO<sub>2</sub> emissions mitigated<sup>1</sup> by 2030

## 02. Low carbon strategy progress

# Low carbon business platforms:

## Renewable Generation: increasing our ambitions

 **20 GW**

Increased Renewables capacity by 2030

- +15% RES ambition to 6 GW (2025)
- +60% RES ambition to 20 GW (2030)
- Hecate optionality: RoFos and takeover
- Balanced technology mix: solar, wind & hydro
- Hybrid projects and storage 4.3 GW pipeline
- Relevant presence in OECD markets

 **>10%**

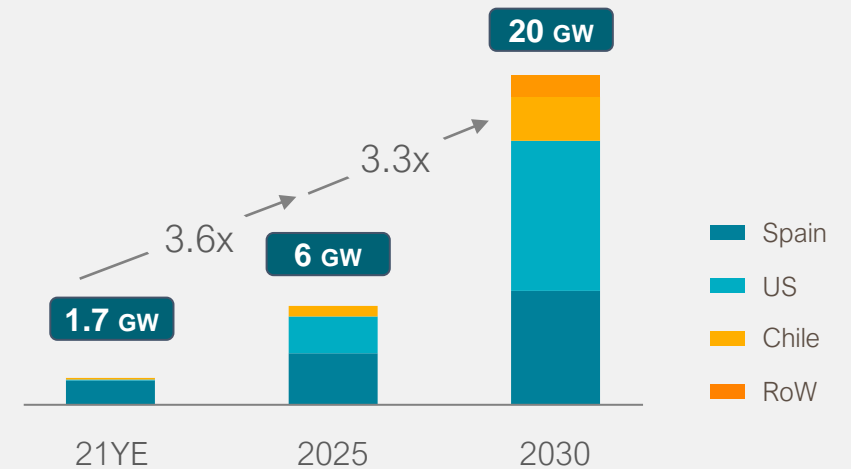
Best-in-class Equity IRR

- Capturing full yield of every project phase:
  - Top development and operational capabilities
  - Optimal Structuring and financing
  - Differentiated Energy & risk management
  - Asset rotation of operational assets

**Selectively investing to create value**

Notes: Assuming Hydro is entirely in Spain and considering 100% in Spain and International (excl. Chile) and 50% JV stake in Chile; US Solar includes Solar PV plus Battery Storage.

Accelerating our ambitions from a sizeable, tangible and technologically and geographically diversified pipeline of renewable projects



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## 02. Low carbon strategy progress

# Low carbon business platforms:

### Customer Centric Business: building on our advantages

 **8 Million**  
Digital clients by 2025

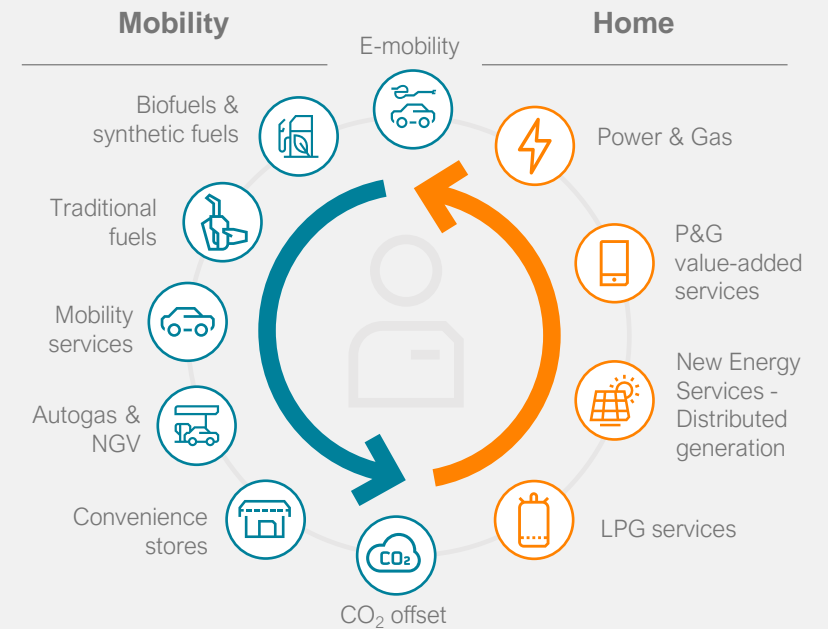
 **+1,000**  
Public PoR by 2022  
in Iberia

 **+180**  
Solar communities  
expected by 2021 YE

- **Unique position to serve the multi-energy needs of our customers**
- 3M Waylet by end 2021 (+50% vs 2020)
- Vivit and Energy Origin launched in 2021
- Launching transversal loyalty program
- **Quick chargers every 50 km in Spain by 2022**
- Capex €50 M in Spain
- Ultra / fast charging terminals in premium locations
- **Innovative solutions for energy generation and optimization, reinforcing a multi-energy offer**
- Solify: self-consumption
- Solmatch and Ekiluz: communities oriented

**To drive 1.4x EBITDA by 2025 (vs. 2019)**

### A differentiated multi-energy customer centric view



Simplifying the net-zero journeys of our customers

## 02. Low carbon strategy progress

# Low carbon business platforms:

## Carbon Sinks: committed with climate neutrality

Carbon, capture, utilization & storage

### CCUS projects

Sakakemang world-scale CCS project by 2027

- Sakakemang – storage capacity of 2 Mtpa of CO<sub>2</sub> and €247 M total investment
- Actively involved in OGCI's CCUS hubs initiative

Natural Climate Solutions

### Green Engine

Forestry program through Repsol Foundation

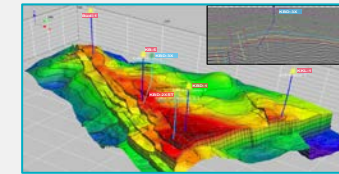


- 70,000 Ha of forests
- Voluntary Carbon Market advocacy
- A €100 M Carbon Fund

Supporting our pathway to Net Zero

Relying on our expertise to abate emissions competitively

Sakakemang CCS project



2 Mte CO<sub>2</sub>/yr

2027-2040



30 Mte CO<sub>2</sub> Cum.

Reforestation areas to both capture carbon and protect biodiversity

Green Engine initiative



70,000 Ha

2021-2026



60 M. Trees planted



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# 03.

## Ambition and targets review



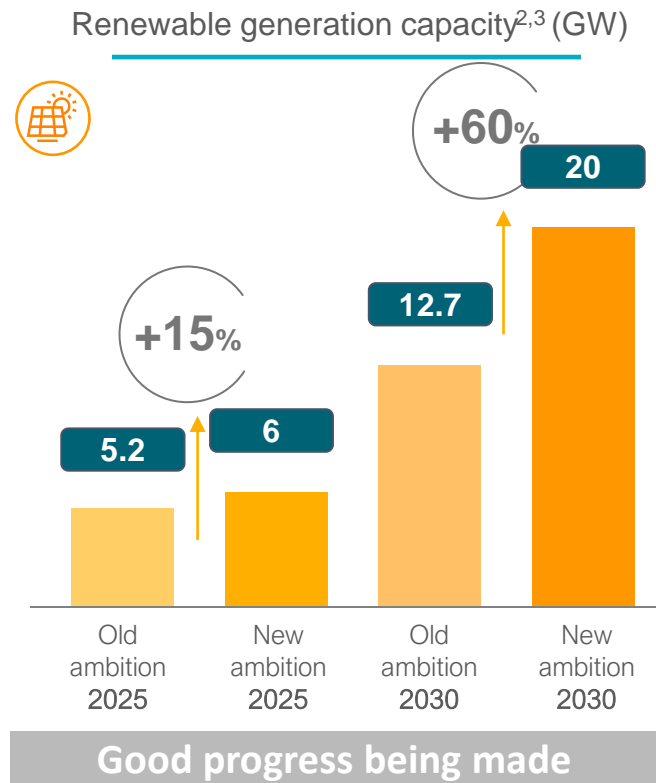
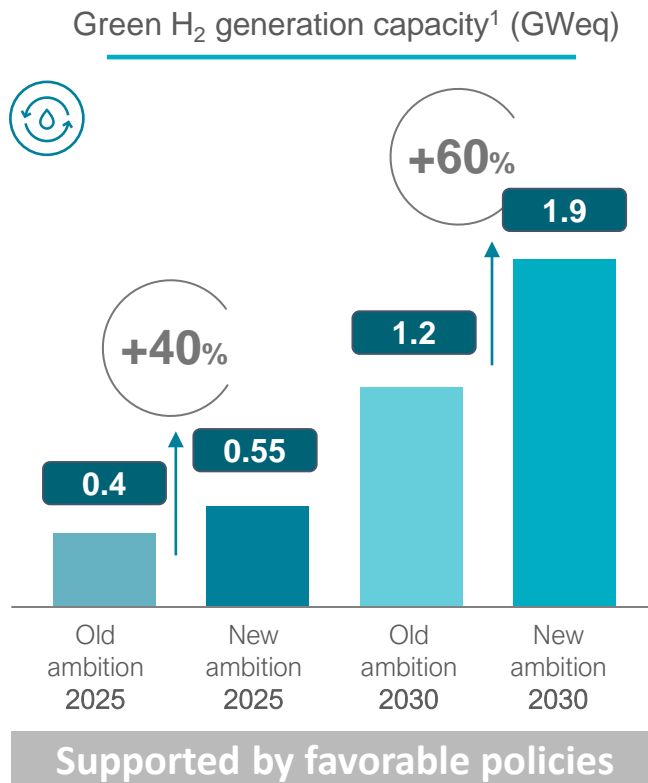
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### 03. Ambitions and targets review

## Increasing our ambition

Repsol increased its renewable and hydrogen ambition and sets new CCB targets, encouraged by new opportunities, technology and favorable climate policy momentum

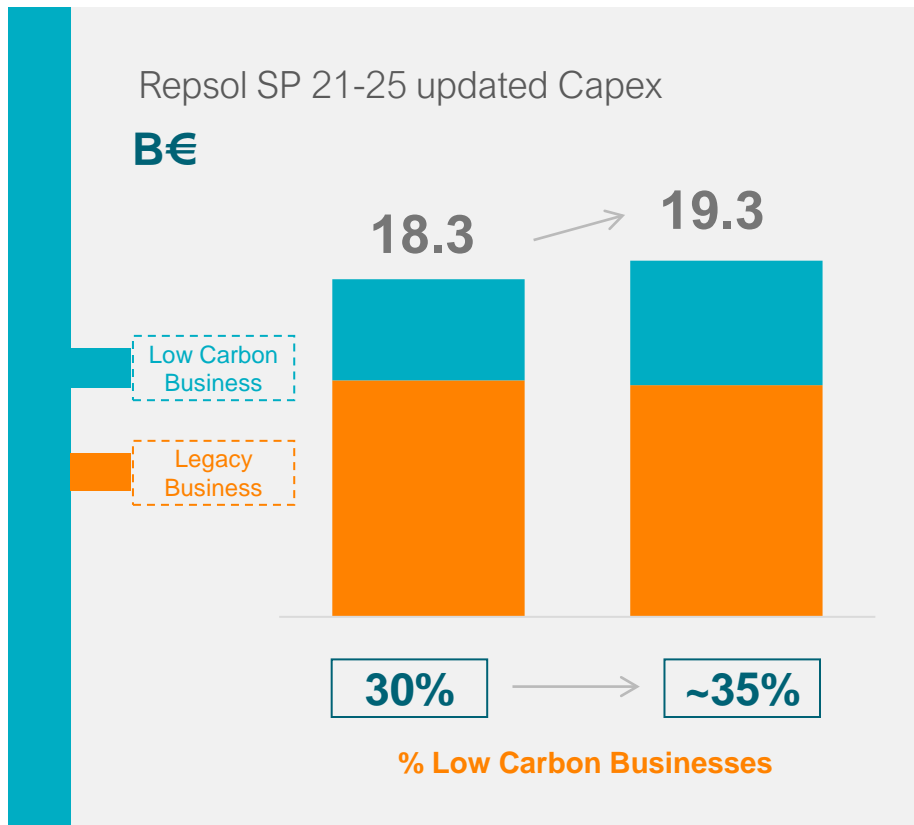


1. Net electrolyzer capacity (GW)  
 2. Gross renewable generation capacity  
 3. Original SP 7.5GW and 15GW Low Carbon Generation. (5.2GW and 12.7GW Renewable Generation)

### 03. Ambitions and targets review

## Repsol 2030 targets

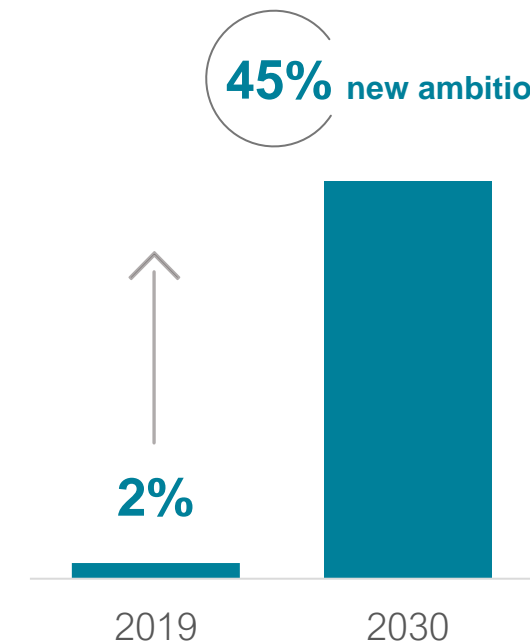
Repsol increases its Capex in low carbon 21-25, due to value accretive identified opportunities, accelerating our transformation to 2030



**+1Bn€ in 21-25<sup>1</sup>**

- Hydrogen business build up
- Accelerated Renewables expansion
- Other low carbon initiatives

Repsol 2030 ambition is increased from 40% to 45% Capital Employed in LCB<sup>2</sup>



1. Includes new low carbon platforms, low carbon generation investments, decarbonization efficiency investments, e-mobility, and value-added services.

2. Increase in low carbon CE through investments in low carbon generation, new industrial low carbon platforms (circularity, H2 & e-fuels, etc.), decarbonization through efficiency initiatives, e-mobility, and value-added services, among others

Note: CE of RES considering consolidation by the proportional method. Capital employed figures not including Corporation (€2 B in 2019)



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### 03. Ambitions and targets review

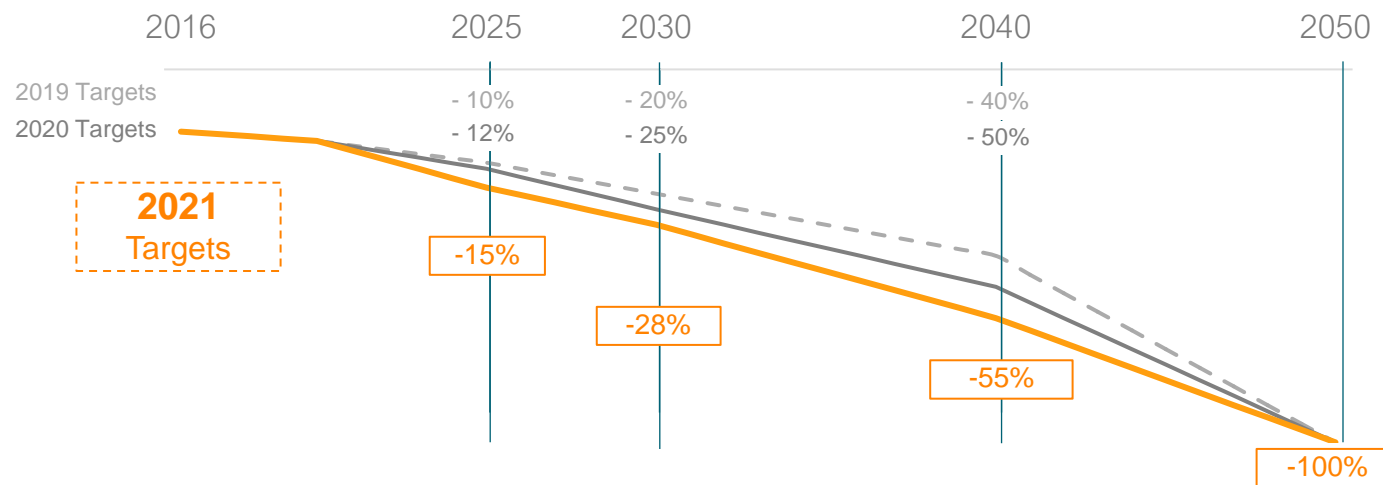
## Repsol reviewed Net Zero pledge

A favorable regulatory environment and technological breakthrough encouraged Repsol to even further its CII intermediate targets

### First O&G to claim Net Zero emissions

Committed in 2019, Increased in 2020, Reinforced in 2021

Carbon Intensity Indicator<sup>1</sup> reduction targets [gCO<sub>2</sub>/MJ]



**New Ambition to accelerate the path to Net zero emissions in scopes 1, 2 and 3<sup>2</sup>**

Leading the energy transition in line with the objective of climate neutrality in 2050

1. 2016 baseline.  
2. Emissions based on the use of the products from our upstream production



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