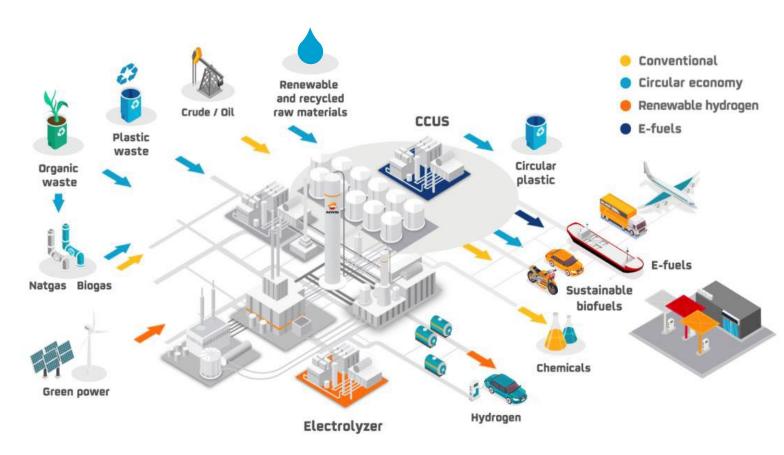
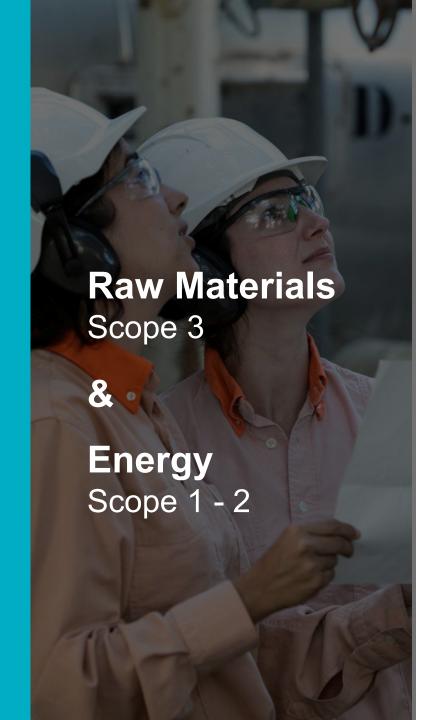


REPSOL

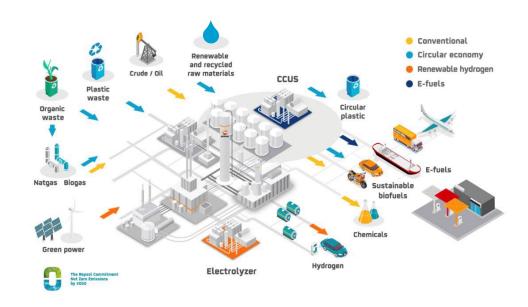
Transforming our business model





Strategic Tragets







1.9 GWeq
Increased renewable H₂
ambition by 2030





REPSOL

Low Carbon Fuels are already a reality



Already a leading HVO and bio-ETBE producer in Iberia, and first biofuels marketer in Spain

Producing bio ETBE since 1998 and HVO since 2011



Testing more than 40 wastes and technologies for advanced biofuels and circular plastics



Boosting production of Bio Jet

- Puertollano: 1st co-processed biojet batch produced in Spain. 7,000 Tn in July 2020
- Tarragona: Co-processed biojet batch production. 10,000 Tn in January 2021
- Petronor: 1st advanced co-processed biojet batch produced in Spain.
 5,300 Tn in July 2021

 H_2

Leaders in renewable hydrogen: First production from biomethane in Cartagena steam reforming in October 2021





Low Carbon Fuels are already a reality



Boosting production of **Bio Jet**

- First commercial flights in Spain fueled with biojet
 - Iberia 3rd November 2021
 - Vueling 9th November 2021
 - Air Europa 6th May 2022
 - Iberia Jun 2022 (long ratio)
- Consolidated coproduction capacity in Puertollano





REPJOL

Low Carbon Fuels. Circular routes

Rou	le .	WASTE USED	TECHNOLOGY	MARKET
Lipidic		Used Cooking Oils and lipidic waste from agrifood industries	Hydrogenation	 Light Duty, Heavy Duty and Marine: HVO-renewable diesel Aviation: HEFA-SAF BioC3 y bionaphtha for the petrochemical Industry and hydrogen production
Biological		OF-MSW, Industrial Organic Waste Agriculture and Livestock sector waste	Anaerobic Digestion and Fermentation	 Biomethane for heavy duty and marine, industry and residential. Bioethanol for gasolina production and SAF. Fertizers and bicohar as by-products
ermochemical		Municipal Solid Waste Agricultural and forestry waste	Gasification and Pyrolisis	 Renewable diesel for heavy transport and marine Aviation: FT and ATJ BioC3 and bionaphtha for the petrochemical Industry and hydrogen production The Repsol Commitment Net Zero Emissions

A global transformation









An industrial transformation project within an integrated system, competitive and flexible



Inclusive Economic and social contribution in 5 regions

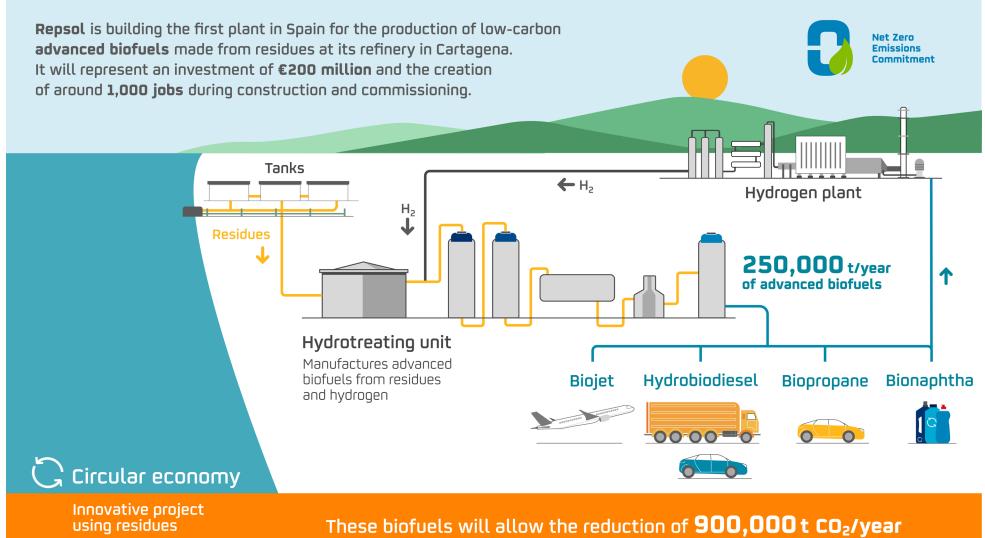


Promoting circular economy, security of supply and technology development



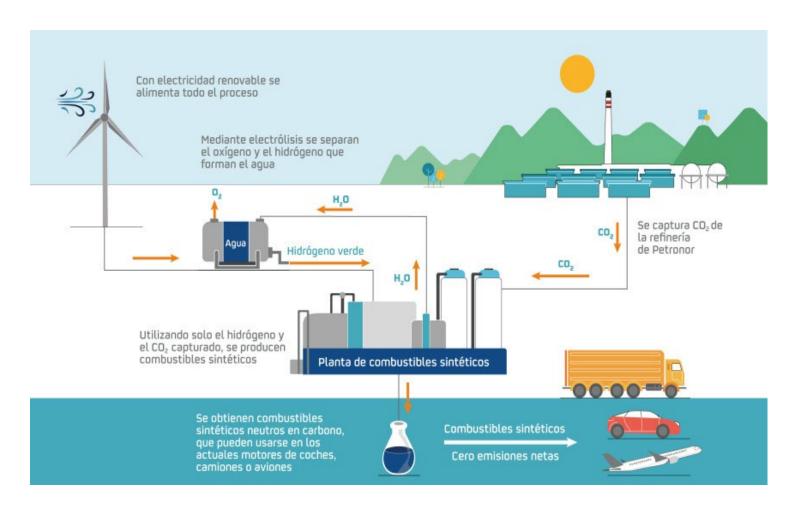


Advanced Biofuels Plant in Cartagena



REPSOL

e-fuels demo plant in Bilbao



Regulatory framework under development (FF55)

Needed to push aviation decarbonization

Technology development needed

Integration opportunities with Gasification and with refineries

CO₂ from hard-to-abate industries and DAC in the long term

Bio-CO₂ in the mid-term





Thank you

