

Corporate Innovation Challenge Template

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| Challenge Name: Novel Processes to obtain Bio-polyols |
| Code Name: BIOECONOMYVENTURES-2022-OC2-REPSOL_2 |
| Challenge Domain: <ul style="list-style-type: none"> Bio-based Plastics and Materials |
| Description of the Corporate innovation Challenge <p>We are looking for novel processes to obtain bio-based polyols, preferably at TRL 5-6 for establishing a possible collaborative research project for polyurethane applications.</p> <p>Polyols are alcohols with more than one hydroxyl group, and they constitute one of the main raw materials for manufacturing polyurethane. Polyurethanes are versatile, modern, and safe. They have a huge range of applications for creating all kinds of industrial products and consumer basics to make our life more practical, comfortable, and environmentally friendly.</p> <p>Our aim is to improve the carbon footprint of our chemical products, aligned with our commitment of reaching a net zero emissions by 2050.</p> |
| Expected results <ul style="list-style-type: none"> Increased sales in these area of bio-based polyols Offer new polyols with improved properties Improve carbon footprint of our polyol portfolio |
| Types of Collaboration <ol style="list-style-type: none"> R&D opportunity Corporate Venturing New business model exploration (i.e., exclusive distribution, profit sharing, IP sharing ...) Sales and purchase of products and services <p><i>*Depends on the business model, to be discussed in each case.</i></p> |

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Participation confirmation

I confirm **REPSOL** availability and participation in the BioeconomyVentures programme. This confirmation allows BioeconomyVentures the right to publicly disclose the company's name, challenge information, logo, and website for the purpose of dissemination and attracting new innovators to the programme.

Company Information

Company Name: REPSOL

Challenge owner name and last name: María Dolores Blanco González

Challenge owner email: dblancog@repsol.com

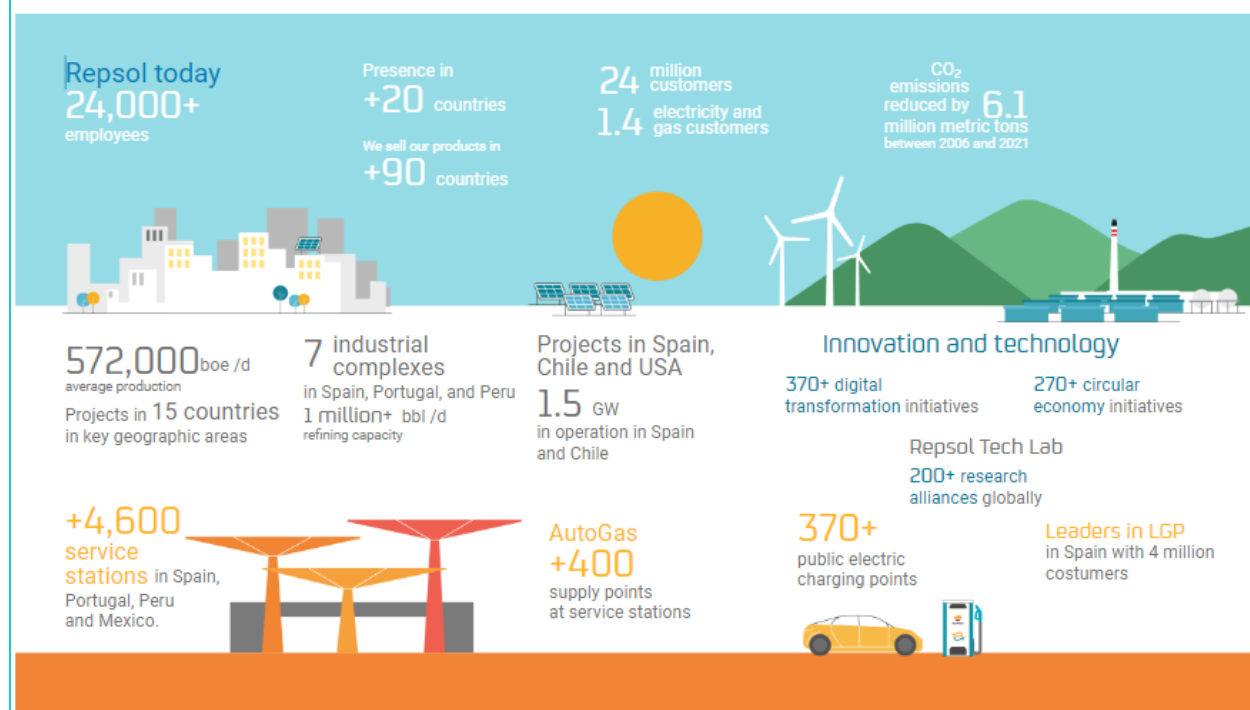
Company information: REPSOL

<https://www.repsol.com/en/about-us/company-profile/index.cshtml>

REPSOL is a global multi-energy provider. We strive to drive the evolution towards a decarbonization energy model, and with this ambition in mind we have set ourselves the goal of reaching a net zero emissions company by 2050. At Repsol, we are present throughout the energy value chain.

Our mission: "An energy company committed to a sustainable world."

Our vision: To be a global energy company that creates value in a sustainable manner through innovation, efficiency, and respect to drive progress in society.



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Upstream

Our Upstream business encompasses the company's oil and natural gas exploration and production activities, which are always carried out following the strictest sustainability and safety criteria. Its activities include the business's entire value chain, from exploration to the commercial use of resources.

[Exploration and production >](#)

Industrial

We are leaders in Europe due to our high competitiveness and the quality of our assets in the industrial business. We have one of the most efficient refining systems on the continent, which transforms crude oil and various alternative raw materials into value-added products. In the field of Chemicals, we are committed to more efficient industrial processes geared towards the circular economy.

- [Trading >](#)
- [Refining >](#)
- [Chemicals >](#)
- [Maritime terminals >](#)
- [Renewable hydrogen >](#)



Customer

For Repsol, the customer is at the center of our strategy, which is why our objective is to meet all consumer energy needs, at home or on the move. We are increasing the presence of low-emission energies in our product and service portfolio, while relying on digitalization for the development of new commercial products and channels that will help us build a more personalized relationship with our customers.

- [Sustainable mobility >](#)
- [Solutions for homes and businesses \(in Spanish\) >](#)
- [Products and services >](#)

Low-emissions businesses

The low-emissions generation business is one of the pillars of our strategy to be a net-zero emissions company by 2050. We have 12 hydropower plants, 2 combined gas cycles, and 1 wind farm; and we are developing five renewable projects: two wind and three solar. We plan to continue our international expansion to become a global operator, with a generation capacity of 7.5 GW by 2025 and 15 GW by 2030.

[Renewable energy >](#)

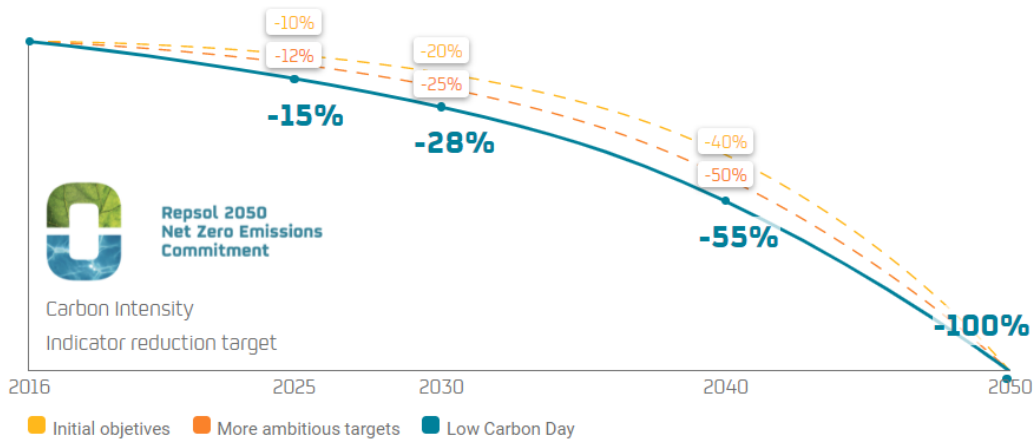


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Net zero emissions by 2050

Path towards decarbonization

The main goal is to become a net zero emissions company by 2050, in line with the targets set out in the Paris Agreement. In order to reach this goal, our company has set itself a demanding roadmap, which includes ambitious emissions reduction targets that were initially established in our [2021-2025 Strategic Plan](#) and updated on [Repsol ESG Day](#).*



The fight against climate change is in our DNA. That's why we were the first company in our sector to set the goal of becoming net zero by 2050. In order to achieve this, Repsol is transforming its operations by developing innovative projects related to the circular economy, renewable fuels, hydrogen, carbon capture and storage, and renewable energy.