

Repsol pioneers industrial-scale production of 100% renewable gasoline

- Repsol has achieved a technological milestone with the first industrial-scale production of 100% renewable gasoline at its industrial complex in Tarragona in Spain.
- This breakthrough demonstrates that renewable liquid fuels represent a realistic pathway to cutting CO₂ emissions in transport, highlighting the need to reconsider the ban on combustion engines by 2035.
- *Nexa 95 Gasoline of 100% renewable origin* – Repsol’s highest-quality 95-octane product - is already on sale in the Madrid and Catalonia regions and will be available at 30 service stations in Spain before the end of the year.
- The new fuel can be used in any gasoline-powered vehicle without the need to modify the car or the refueling infrastructure. Its use reduces net CO₂ emissions by more than 70% compared to conventional gasoline.
- To reach the climate targets set by Spain and the European Union, it is essential to recognize the contribution of 100% renewable fuels to the decarbonization of road transport, set long-term targets, and provide a favorable tax regime.

Repsol has achieved a new technological milestone by producing gasoline from 100% renewable sources on an industrial scale. This milestone, achieved at its Tarragona complex, positions Spain and the company at the forefront of the energy transition.

This new product, made entirely from renewable sources, is fully compatible with gasoline vehicles without the need for any modifications. Its use reduces net CO₂ emissions by more than 70% compared to conventional gasoline. *Nexa 95 Gasoline of 100% renewable origin* - Repsol’s highest-quality 95-octane product - is already available at 20 service stations in Spain, in the Madrid and Catalonia regions. The company expects to reach 30 stations by the end of this year, in other Spanish cities such as Tarragona, Valencia, Zaragoza, and Bilbao.

With this new fuel, Repsol expands its range of renewable fuels, adding it to the already available *Nexa Diesel of 100% renewable origin*. This demonstrates that decarbonizing transport with renewable liquid fuels is a viable solution for combustion engine vehicles, whether gasoline, diesel, or hybrid. These vehicles today represent 97% of the Spanish and European vehicle fleet, and 87% of sales in Spain so far this year.

To meet the climate targets set by Spain and the European Union, it is essential to recognize the role of 100% renewable fuels and, consequently, to reconsider the EU regulation on CO₂ emission standards, which proposes a ban on combustion engines by 2035. The uncertainty caused by this measure has led to considerable aging of Spain’s vehicle fleet, with an average age of 14.5 years and 8.5 million vehicles — nearly one-third of the total fleet — over 20 years old.

To accelerate the development of renewable fuels, it is essential to establish long-term targets — similar to those already in place for the aviation and maritime sectors — and introduce a favorable tax framework. These measures would provide the certainty needed to drive investment in more efficient engine technologies within the automotive sector.

Renewable fuels

To decarbonize mobility, Repsol is committed to a model that combines all solutions that reduce CO₂ emissions, such as renewable fuels, electrification, LPG, and renewable hydrogen, which the company is developing. The company's vision is that all energy options - including conventional fuels used in combination with ultra-efficient engines - must be considered to guarantee supply, meet the needs of each customer, and reduce greenhouse gas emissions as quickly and cost-efficiently as possible.

At its industrial complex in Cartagena in Spain, Repsol already operates the first plant on the Iberian Peninsula dedicated exclusively to producing 100% renewable fuels on a large scale, specifically sustainable aviation fuel (SAF) and renewable diesel. In 2026, it will add a second plant at its Puertollano complex, with the annual capacity to produce around 200,000 tons of 100% renewable fuel for road and maritime transport.

The innovative process for manufacturing renewable gasoline on an industrial scale carried out by Repsol in Tarragona is the result of more than 20 years of research and production of renewable fuels in their various forms. The technology was developed by the company's scientists in collaboration with Honeywell. The exclusive formulation of *Nexa 95 Gasoline of 100% renewable origin* was custom-developed at the company's technology center, the Repsol Technology Lab on the outskirts of Madrid, to maximize engine performance and keep it in optimal condition.

Repsol has established supply agreements for renewable fuels with leading heavy-duty road transport companies in Spain and Portugal, such as Scania, Grupo Sesé, XPO, Serveto, Havi, Joanca, Carreras, Rhenus, and Luis Simoes, whose end customers include Coca Cola, Freixenet, and Seat. The company also partners with Spanish passenger transport operators, such as Alsa and Avanza, and with maritime operators, such as Royal Caribbean. To promote the use of sustainable aviation fuel, Repsol has signed major agreements with commercial airlines like Iberia, Ryanair, Vueling, and Air Europa. The effectiveness of these fuels was also demonstrated by the Spanish Air Force's *Patrulla Águila* aerobatic team during Spain's National Day parade in October 2022.