



Repsol's bio-based polyolefins to reduce the medical sector's carbon footprint

- Repsol's new advanced bio-based range **offers a negative carbon footprint, removing more CO₂ from the atmosphere than it emits.**
- Repsol's bio-based polyolefin range is a **game-changing solution for the medical sector**, designed to meet the industry's growing demand for eco-friendly solutions.
- **Repsol continues to align with its clients' sustainability objectives within the healthcare sector**, promoting new investments that will increase the production capacity of naphtha of renewable origin.

In a significant breakthrough for the medical industry's sustainability efforts, Spanish global multi-energy company **Repsol has unveiled its latest solution to reduce CO₂ emissions and promote eco-friendliness. The company offers its pioneering range of bio-based polyolefins**, a first-generation range made from sustainable organic oils, and second-generation bio-based polyolefins, made from organic waste, for pharmaceutical applications.

Repsol's bio-based range is a game-changing medical sector solution, designed to meet the industry's growing demand for eco-friendly solutions. With a strong focus on eco-design, the range replaces traditional feedstock from refineries with bio-based feedstock from sustainable crops oil or the reuse of organic waste.

The new advanced bio-based range from Repsol offers a negative carbon footprint on a cradle-to-gate methodology under the ISO 14067 standard, removing more CO₂ from the atmosphere than the emissions in the supply chain processes. **Replacing the traditional feedstock used at their industrial sites with this new bio-based feedstock**, which has previously removed CO₂ from the atmosphere by photosynthesis during its plantation life cycle, **improves carbon footprint to -1 tCO₂/t for our first-generation polyolefins and -2,5 tCO₂/t for our second-generation polyolefins.** Furthermore, this bio-based range is ISCC Plus certified for traceability through mass balance. In addition, the new bio-based polyolefins meet these applications' strict cleanliness and safety requirements.

These eco-friendly solutions are already available to Repsol's pharmaceutical packaging and medical devices clients in the European market, meeting the European pharmacopeia standards and offering healthcare manufacturers an opportunity to reduce CO₂ emissions while prioritizing product safety. While the global medical devices market is projected to grow significantly due to increasing healthcare expenditure, advancements in medical technology, and the growing demand for non-invasive medical procedures, there is an increasing commitment towards reducing its carbon footprint. Repsol continues to align with its clients' sustainability objectives within the healthcare sector, promoting new investments that will increase the production capacity of circular and lower carbon footprint solutions while reducing the consumption of virgin raw materials.





Repsol's new bio-based range of polyolefins marks a significant step in the company's commitment to decarbonization to meet its goal to become a net-zero emissions company by 2050. In addition, Repsol's bio-based range offers a unique solution for the healthcare industry to reduce its carbon footprint.

About Repsol

Repsol is a global multi-energy company that is leading the energy transition with its ambition of achieving zero net emissions by 2050. Present throughout the energy value chain, the company employs 24,000 people worldwide and distributes its products in nearly 90 countries. Its customer-focused product and services portfolio meets all consumer needs to around 24 million customers, whether at home or on the move. Repsol is also a major player in the power and gas market in Spain with 1,5 million customers and a total low emissions generation capacity of 3.800 MW.

To achieve its goal of zero net emissions by 2050, Repsol is deploying an integrated model of decarbonization technologies based on improving efficiency, increasing low-emissions power generation capacity, producing low-carbon fuels, developing new customer solutions, the circular economy, and driving innovative projects to reduce the industry's carbon footprint.

Repsol has one of Europe's most efficient refining systems and has three large petrochemical facilities where differentiated products with high added value are developed. The company is transforming its seven industrial complexes in Spain, Portugal, and Peru into multi-energy hubs through state-of-the-art projects that will reduce their carbon footprint.

In Chemicals, Repsol is committed to greater efficiency in industrial processes aimed at the circular economy, with the goal of recycling the equivalent of 20% of its polyolefin production by 2030. Repsol has a [circular economy strategy since 2016](#) that it has applied throughout its value chain, from obtaining raw materials to the marketing of products and services.

Repsol's products are used to manufacture everyday objects that improve people's quality of life, well-being, and safety. Its wide variety of chemical products range from base petrochemicals to derivatives and include a wide range of polyolefins, all of which are 100% recyclable.





Supplementary graphic material and photographs to illustrate the information in the press release:

