



Repsol signs new license agreement for its PO/SM and polyols technology in China

- Repsol enters into a new **technology licensing agreement** to build a **propylene oxide and styrene monomer co-production plant**, as well as two plants for **flexible and polymer polyols**.

Repsol announces a new technology licensing agreement. On this occasion, Repsol will license its PO/SM and polyols technology to construct three plants in the Jiangsu Province in China. The agreement includes a plant of 200,000 tonnes/year of propylene oxide (PO) and 450,000 tonnes/year of styrene monomer (SM) and two plants with an aggregated production capacity of 125,000 tonnes/year of both flexible (PPG) and polymer (POP) polyether polyols.

Additionally, Repsol plans to continue collaborating with this licensee in additional initiatives to strengthen Repsol's positioning in the Chinese market.

Repsol has leading technology in the production of propylene oxide, styrene, and polyols. This agreement adds up to three previous technology licensing agreements in China since 2013.

200 kt/y	Propylene oxide production
450 kt/y	Styrene monomer production
125 kt/y	Polyols production

Repsol built its first propylene oxide/styrene monomer (PO/SM) plant and its first polyol plant in Puertollano, Spain, in the early 1970s. This PO/SM co-production plant was the first built in the world. Later on, in the early 2000s, Repsol built a second PO/SM plant, which doubled the original facility's capacity, and an additional polyols plant, both in Tarragona. Repsol's capacity for innovation is built on the expertise and experience garnered at the Repsol Technology Lab, an example of one of the most cutting-edge private R&D models in Spain and one of the largest in Europe. This expertise adds up to the continuous technological improvement and development carried out at Repsol's Industrial Complexes. All the previous has enabled Repsol's PO/SM co-production process to become an international benchmark, reinforced by this new agreement.

Repsol's PO/SM co-production plant in Puertollano was the first built in the world

Propylene oxide and styrene monomer are raw materials for products like polyols, glycols, polystyrene, expanded polystyrene (EPS), acrylonitrile butadiene styrene (ABS), and synthetic rubber. These products are used in everyday objects that improve quality of life, such as cosmetics and personal care products, housing comfort elements such as insulation and roofing materials that contribute to sustainability through energy efficiency, or car parts that enhance safety.

Similarly, polyether polyols have several applications in many aspects of our daily life, like flexible foams for various comfort applications, mainly mattresses and sofas, car seats, headrests, and sound-absorbing parts, among others, for the motor industry, additionally, as solid polyurethane elastomers, filled polyurethane elastomers and sealants, and polyurethane surface coatings and varnishes.



About Repsol

Repsol is a global multi-energy supplier that facilitates the transition towards an energy model with fewer emissions. It operates low-emission power generation assets and is developing several photovoltaic and wind renewable energy projects. Repsol has set the ambitious goal of being a net-zero emissions company by 2050 and has had a circular economy strategy since 2016 that it has applied throughout the company's value chain, from obtaining raw materials to commercializing products and services.

Oriented towards the circular economy, the company's chemical business will also make a decisive contribution to a more decarbonized economy and is committed to the efficiency of its industrial chemical processes. Its products are used to make 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 100% recyclable. The company also has three large petrochemical facilities in Europe where differentiated products with high added value are developed.



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

