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**PRESS RELEASE**

## **Borealis selects Axens Rewind® Mix Process for its Plastics Pyrolysis Oil Upgrading Unit in Stenungsund, Sweden**

Rueil-Malmaison, 21 April 2022,

Borealis and Axens have recently signed a license agreement for the [Rewind® Mix](#) process in order to purify and upgrade 50 KTA of pyrolysis oils produced from plastics wastes at the petrochemical plant of Borealis in Stenungsund, Sweden.

The unit is planned to be in commercial operation in 2025, subject to final investment decision, and will produce a virgin-like recycled feedstock to be further processed in the existing steam cracker unit for the production of recycled polymers, which could be used for food-grade packaging and other high-value applications.

Axens will supply the process design package of the [Rewind® Mix](#) unit and the corresponding proprietary equipment, catalysts and adsorbents. Developed by IFP Energies nouvelles, Repsol and Axens, and based upon a strong industrial background, [Rewind® Mix](#) provides a complete solution to turn plastic pyrolysis oils into perfect feedstock for steam cracking to make recycled plastics suitable for any application. Axens will also support Borealis with technical on-site and digital assistance, securing a long-term optimal performance of the unit.

This unit is a key element of the planned plastic advanced recycling project of Borealis in Stenungsund. The project will as well include a pyrolysis unit feeding the [Rewind® Mix](#) process, and storage and logistic solutions. The plastic waste will be provided from selected partners. The project has got support from the Swedish Energy Agency for the study phases.

“We are proud to have been selected by Borealis for this ground-breaking project. Axens is strongly committed to supporting the plastic recycling industry in reaching its ambitious targets at the 2025-2030 horizon, developing and offering robust, flexible, low-carbon footprint technologies which complement mechanical recycling and create a truly circular plastic economy”, said **Stéphane Fedou**, Axens Plastics Circular Economy Director.

“Borealis has set ambitious targets to create a circular economy for plastic, as a part of our sustainability journey”, said **Anders Fröberg**, Borealis Director of Manufacturing Excellence and Transformation. “Together with Axens, we will be able to provide our customers with sustainable products in order to meet market demands and improve recycle rates of plastic”.

### **About Borealis**

*Borealis is one of the world's leading providers of advanced and circular polyolefin solutions and a European market leader in base chemicals, fertilizers and the mechanical recycling of plastics. Borealis leverages its polymers expertise and decades of experience to offer value adding, innovative and circular material solutions for key industries. In re-inventing for more sustainable living, Borealis builds*

on its commitment to safety, its people and excellence as it accelerates the transformation to a circular economy and expand its geographical footprint.

With head offices in Vienna, Austria, Borealis employs 6,900 employees and operates in over 120 countries. In 2021, Borealis generated total sales and other income of EUR 10,153 million and a net profit of EUR 1,396 million. OMV, the Austria-based international oil and gas company, owns 75% of Borealis, while the remaining 25% is owned by a holding company of the Abu-Dhabi based Mubadala. They supply services and products to customers around the globe through Borealis and two important joint ventures: Borouge (with the Abu Dhabi National Oil Company, or ADNOC, based in UAE); and Baystar™ (with TotalEnergies, based in the US).

[www.borealisgroup.com/](http://www.borealisgroup.com/) | [www.borealiseverminds.com](http://www.borealiseverminds.com)

### About Axens

Axens group ([www.axens.net](http://www.axens.net)) provides a complete range of solutions for the conversion of oil and biomass to cleaner fuels, the production and purification of major petrochemical intermediates, the chemical recycling of plastics and all natural gas treatment and conversion options. The offer includes technologies, equipment, furnaces, modular units, catalysts, adsorbents and related services. Axens is ideally positioned to cover the entire value chain, from feasibility study to unit start-up and follow-up throughout the entire unit life cycle. This unique position ensures the highest level of performance with a reduced environmental footprint. Axens global offer is based on highly trained human resources, modern production facilities and an extended global network for industrial, technical supports & commercial services. Axens is an IFP Group company.

Learn more on our [website](http://www.axens.net), and follow us on [Twitter](#) and [LinkedIn](#).  
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