

Borcycle™ C

The solution for high purity, high performance recycled materials

Transformational solutions for chemical recycling that gives polyolefin-based, postconsumer waste another life; a solution creating both virgin-level grade materials and high safety and performance qualities fit for demanding applications.



Accelerating Action
on Circularity



BOREALIS



renews plastic
back to plastic;
creating recycled
materials with
a level of purity
fit for protective,
food-safe and
other demanding
applications.

It's never been a more important time to address the urgent issue of plastic waste and its impact on the planet. At Borealis, we believe that waste is just unused potential; value waiting to be reignited.

Chemically recycled plastic waste

Borcycle™ C is our portfolio of transformational chemical recycling solutions, giving polyolefin-based, post-consumer waste another life. It offers all-round benefits, supercharging the transition to a circular polyolefin industry whilst creating virgin quality plastic products.

Food-safe and high performance

Borcycle C renews plastic back to producing virgin-like grade materials: offering recycled materials with a level of purity fit for food, healthcare and other demanding applications.

Borcycle suite of technologies

Our Borcycle solutions are scalable and ever-advancing, using value chain collaboration and Borealis expertise, experience and innovative strength. Borcycle C is at the heart of Borealis' drive for progress towards a circular future, captured in our EverMinds™ platform and its ambition for Accelerating Action on Circularity.

To build up a Circular Economy, Borealis takes a wider view on the value chain: following our Circular Economy Model

Closing the loop of recycling technology solutions with our Borcycle C portfolio.

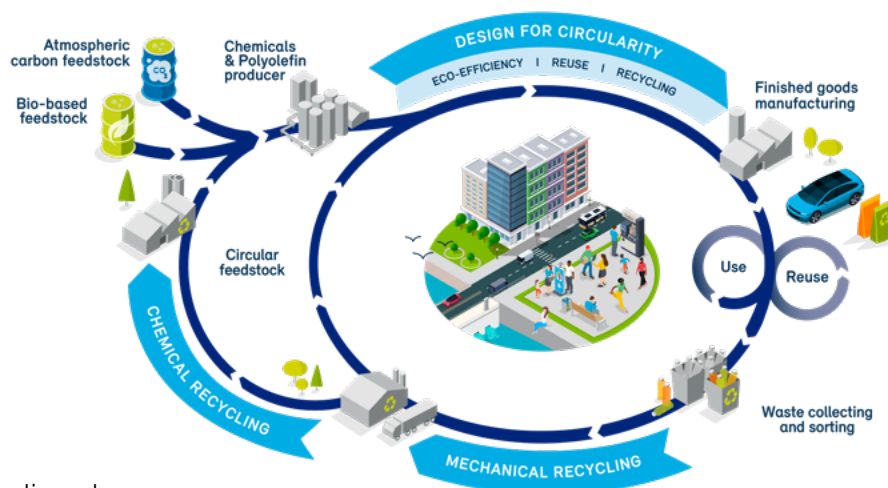
Chemical recycling

is complementing mechanical recycling, by further valorising residual wastes streams from our mechanical recycling operations, as well valorize mixed plastic waste streams which would otherwise go to incineration or landfills

Borcycle C technologies

Chemical recycling is a process that converts plastic waste back to monomers, synthetic oil or gas, which are then used as a feedstock in the manufacturing of new products. The right technology depends on the type of polymer being processed. The chemical recycling technology suitable for polyolefins is called pyrolysis, in which mixed polyolefin waste is converted to a pyrolysis oil by using heat, which can be used as feedstock to produce new plastics.

Borealis collaborates in **OMV's Reoil® Recycling Technology** that is developed for the chemical recycling of mixed polyolefin plastic waste. The pilot plant and the demo plant 'ReOil2000' (16 kt capacity) are fully integrated into the OMV's Austria refinery

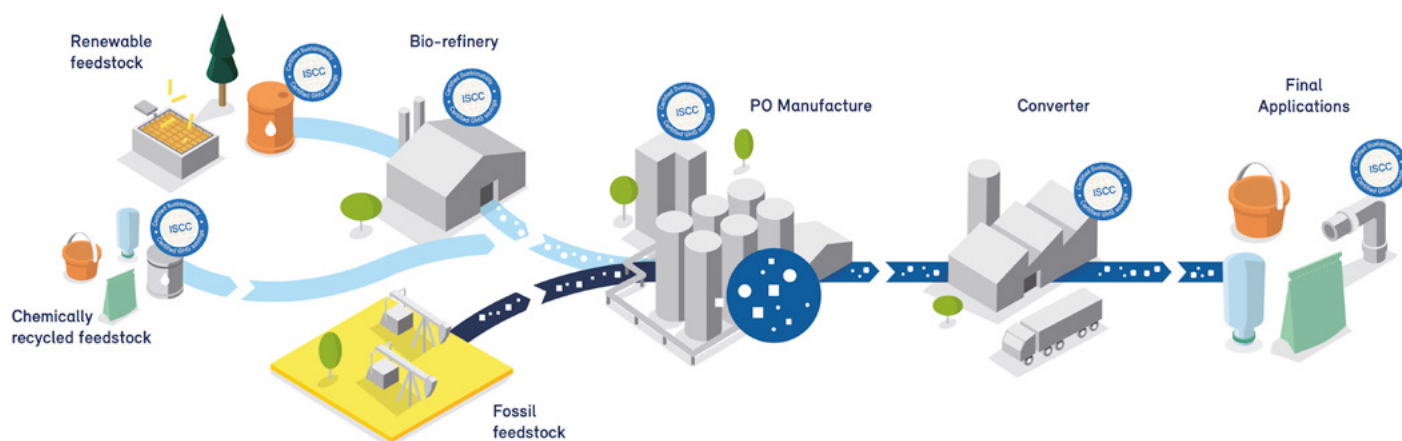


at Schwechat, Austria. The technology is designed to operate at an industrial-scale chemical recycling unit with a processing capacity of up to 200kt/year, which is expected to start in 2029.

Renasci, a Belgium-based recycler has pioneered the innovative Smart Chain Processing (SCP) concept, whereby household waste is sorted and converted into raw materials with a maximum material recovery. Borealis has majority ownership and will collaborate closely with Renasci to further develop and scale this unique SCP technology.

Borcycle™ C

Based on the mass balance model



We use the mass balance model to track and trace the amount of fossil-based feedstock which is replaced with chemically recycled feedstock in our monomer and polymer production.

The mass balance chain of custody allows to track the plastic waste feedstock back to the first collection point.

Another advantage of the mass balance model is that we can use our existing, cost-efficient, production assets, and do not need to build a parallel system to allow offering these sustainable solution to the market as of today.

All Borcycle™ C polymers are certified by ISCC Plus – a reliable global leading sustainability certification scheme.

Be a part of the circular revolution for plastic. Be a part of EverMinds™.

A platform aiming to unlock and accelerate circular progress for plastic. We are building a community to bring stakeholders, influencers and circular game-changers together. Uncompromising on quality and performance. Let's create new value that keeps giving back and create circular progress as one.



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Borealis Borealis is one of the world's leading providers of advanced and sustainable polyolefin solutions. In Europe, Borealis is also an innovative leader in polyolefins recycling and a major producer of base chemicals. We leverage our polymer expertise and decades of experience to offer value-adding, innovative and circular material solutions for key industries such as consumer products, energy, healthcare, infrastructure and mobility.

With customers in over 120 countries and head office in Vienna, Austria, Borealis employs around 6,200 people. In 2024, we generated a net profit of EUR 566 million. OMV, the sustainable chemicals, fuels and energy company with a focus on circular economy solutions, headquartered in Vienna, Austria, owns 75% of our shares. The Abu Dhabi National Oil Company (ADNOC), based in the United Arab Emirates (UAE), owns the remaining 25%.

In re-inventing essentials for sustainable living, we build on our commitment to safety, our people, innovation and technology, and performance excellence. We are accelerating the transformation to a circular economy of polyolefins and expanding our geographical footprint to better serve our customers around the globe. Our operations are augmented by two important joint ventures: Borouge (with ADNOC, headquartered in the UAE), and Baystar™ (with TotalEnergies, based in the US).

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