



**interseroh**  
zero waste solutions

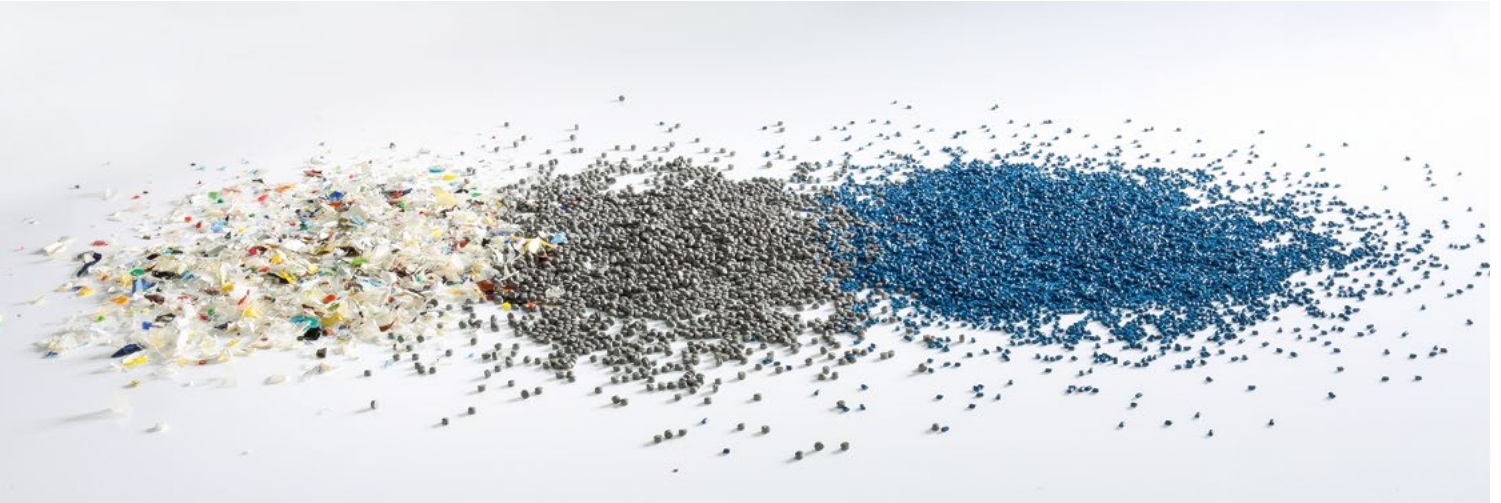
# Recycled plastics – high-quality material tailored to customer-specific requirements

Interseroh offers a unique service to support your production process all the way to the finished product

**Innovative  
compounds for a  
wide range of  
applications**



# Closing the loop – with secondary materials



## How much longer will our natural resources last?

The tripling of global resource consumption since 1970 is a clear signal that recycling is necessary to preserve the integrity of the natural world. Effective closed-loop management conserves natural resources while cutting climate-damaging emissions.

## Innovative secondary materials – a real alternative to primary resources

Our take-back and recycling services in Europe help to achieve resource conservation as well as a positive ecological and greenhouse gas balance.

## Crude oil is no longer needed for production of plastics.

As a plastics recycling expert, Interseroh sources recyclable raw materials from household collection, mainly used polyethylene (PE) and polypropylene (PP) packaging. We use this to manufacture our high-quality recycled plastics – in our plastic processing facility.

**We offer our customers a continuous supply of high-quality regranulates that meet their technical requirements without compromising on quality or service.**

Interseroh provides you with an all-inclusive service covering the entire regranulate production chain. We support you with our technical expertise from your initial idea to implementation.



Interseroh closes the loop for used plastics

**We use ultramodern, high-tech sorting equipment and mature reprocessing technologies.** Precise sorting in our own plants followed by optimised purification, degassing and filtration results in a high level of purity for our Recythen and Procylen granulates. The consistently high quality of our material is ensured by continuous quality control. Using state-of-the-art analytical equipment in our in-house lab, Interseroh experts develop material with properties adapted to customer-specific requirements.

# For any application: two first-class recycled plastics

Looking to manufacture environmentally sound products?  
Interseroh has the recycled plastics that fulfil your expectations.

## Recythen: one material – many applications

The regranulate is characterised by a high purity grade and consistent quality – which has a stabilising effect on the production process. Recythen is available as polypropylene (PP) and high-density polyethylene (HDPE) in different colours. You can use Recythen as a single component or in combination with other materials. Processing techniques range from the extrusion of sheets, profiles and pipes to the injection moulding of technical articles, packaging, crates and household products.



## Procyclen: as individual as your applications

**Our recompound is manufactured to meet customer-specific requirements regarding material quality.** Procyclen has a wide range of technical properties that can be adjusted to customer-specific requirements, including modified flow rate, improved impact strength and stiffness, increased UV and heat resistance and flexible colouration. Depending on the target application, Procyclen is reprocessed as polypropylene (PP) or high-density polyethylene (HDPE), although other plastics can also be used. Our recompound is therefore a full substitute for the virgin material usually produced from crude oil.



**Quality that you can rely on. As our partner, you can count on:**

- Quantified, certified, consistent and reproducible material quality
- Systematic upcycling that also ensures full conformity with the REACH regulation
- Expert technical support for processing
- Continuous material availability and punctual delivery



**This promise is backed by our end-to-end Quality Management System.** Our integrated management system safeguards quality, environmental, energy, labour and health standards and is certified to DIN EN ISO 9001:2015, DIN EN ISO 14001:2015, DIN EN ISO 50001 and BS OHSAS 18001:2007. Of course we are also EuCertPlast-certified.

EuCertPlast Certified Recycler: documented deployment of recycled materials



# Make your mark on sustainability

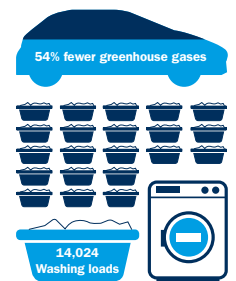
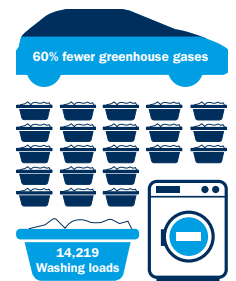
Next to ALBA, Interseroh is one brand under the umbrella of the ALBA Group, one of the leading recycling and environmental services companies as well as raw material providers worldwide. In 2018 alone ALBA Group saved around 31.9 million tonnes of primary resources through its recycling activities, as figures from Fraunhofer UMSICHT have shown.

The individual **resources SAVED by recycling** certificate that we issue to each of our customers documents your company's own contribution to the primary resources savings achieved by our recycling activities.

**Another study from Fraunhofer UMSICHT also confirms that using Procyclen and Recythen actively contributes to climate and environmental protection.**

**If Recythen is used instead of primary plastic made from crude oil, 1,029.5 kilogrammes of greenhouse gases are saved per tonne** – a 60 per cent reduction in climate-damaging emissions. Consumption of primary energy also falls by 21,329 kilowatt hours per tonne – equivalent to 14,219 loads of laundry.\*

**If Procyclen is used instead of primary plastic made from crude oil, 891.6 kilogrammes of greenhouse gases are saved per tonne** (cutting emissions by about 54 per cent) plus 21,037 kilowatt hours per tonne of primary energy – the equivalent of 14,024 loads of laundry.\*



## Contact

INTERSEROH Dienstleistungs GmbH  
 Stollwerckstrasse 9a  
 51149 Cologne  
 Germany  
 Tel. +49 2203 9147-0  
 info@interseroh.com

An ALBA Group company

**Contact us  
 and speak to one  
 of our consultants  
 today!**

\* Calculation based on the life cycle assessment standards ISO 14040 and 14044. The reference technologies meet the very latest technical standards. All results are based on 1 tonne of granulate in each case.

