FIRST CHOICE QUALITY RAW MATERIALS

EXPERTISE IN PLASTIC

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THE VEOLIA NETWORK

We are based in Bernburg in Central Germany and manufacture raw materials for the plastics processing industry. Since late 2017 we have been strengthening the pan-European network of the Veolia Group in the recycling economy with our companies, which were founded in 1991 and 2001 respectively.

High-quality raw materials for the industry

From around 1.1 billion PET bottles annually, MultiPet GmbH produces high-quality flakes that form the raw materials for a large number of different products. They are processed into polyester fibres, for example for the automotive and construction industries, or into straps, sheets and bottles in the packaging industry.

The neighbouring Multiport GmbH specialises in the processing of used HDPE packaging. Annually, more than 35,000 tonnes of plastic waste are processed into compounds and used by the plastics industry as substitutes for new goods.

In Germany as a whole, Veolia processes more than 100,000 tonnes annually of plastic from the deposit system, households, industry and commerce, recycles them and makes them available as new raw materials. Across Europe Veolia has recycling capacities for more than 350,000 tonnes of plastic per year.

Resourcing the world

Veolia's mission: in times of increasingly scarce resources, to improve access to them, to protect them and to renew them. Our plastics strategy does not stop with recycling – we close material cycles and create new raw materials. To do this, Veolia has created a network of plastics processing plants in seven European countries. In addition, we contribute expertise in fields such as design for recycling, the collection and recycling of plastics and the manufacture of new raw materials. In doing so we contribute to climate protection: Veolia saves approximately 180,000 tonnes of CO_{2eq} per year in Germany alone through plastic recycling. That is equivalent to the CO_2 emissions of a medium-sized car being driven 25,000 times around the globe.

'Our goal is to structure the sector for industrial recycling and plastics recovery and thus to offer an alternative to virgin plastics.'

Antoine Frérot, CEO Veolia

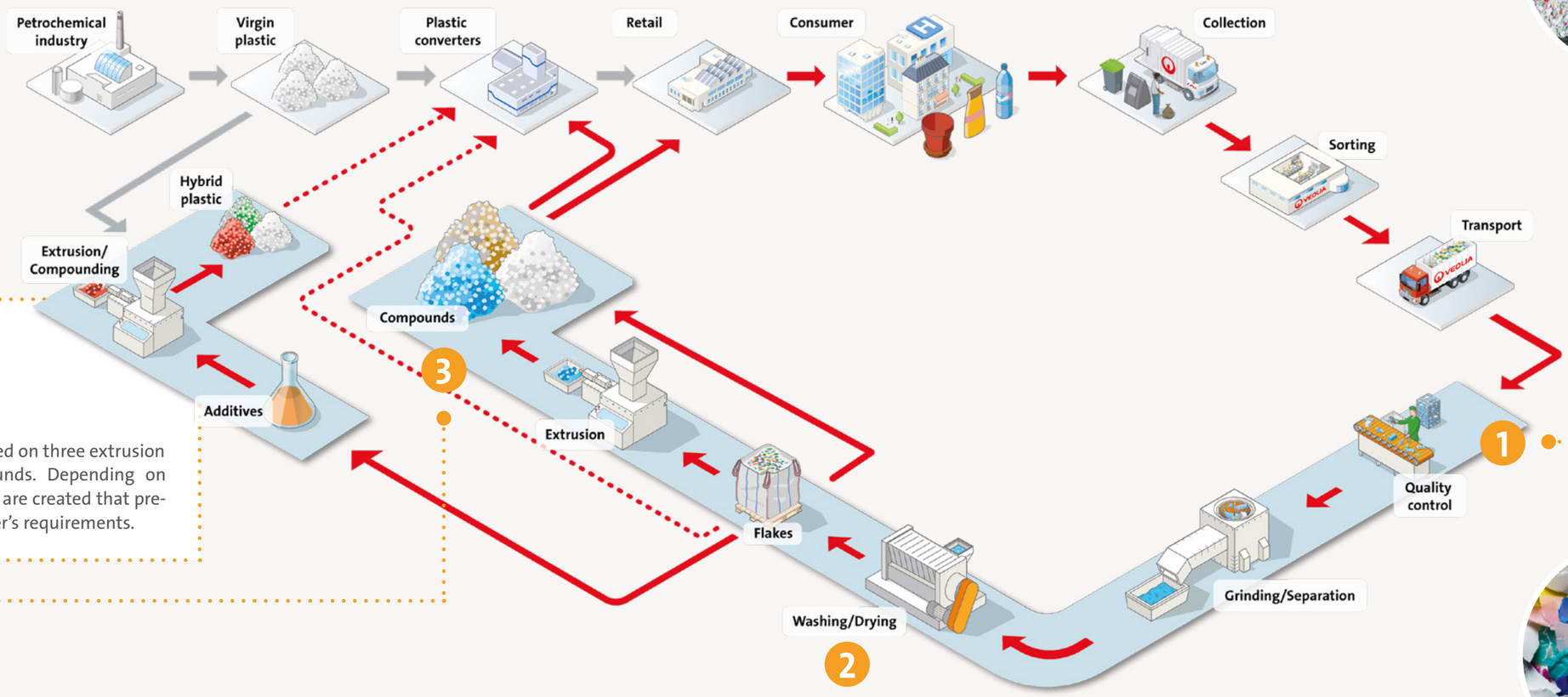
PLASTIC IN CIRCULATION.
The route of the valuable resource.

1 The raw material

Pre-sorted secondary raw materials are delivered in bales. They are checked for quality and sent for further processing.

3 Compounds

HDPE is further processed on three extrusion lines to make compounds. Depending on needs, specific products are created that precisely meet the customer's requirements.



2 Grinding stock

After several washing, cleaning and separating processes the clean plastic grinding stock is mechanically dried. The plastics can be supplied to the industry even as regrind or flake, e.g. as PET Flakes, which, as a high-quality raw material, can be processed into a range of very different products.

Improved added value chain

Durable, light, watertight and cheap: plastic makes life easier. If it is simply thrown away instead of being collected, however, the long-lasting material damages natural ecosystems. Therefore, we all have to act and reinvent the added value chain for plastics by working on innovations and closing cycles from the design to the end of the product's lifetime.

Universal material

Quality, availability and price – these are the major aspects that speak in favour of plastics. Their recycling and use in the cycle ensures that we can fall back on the universally usable material without a guilty conscience – despite increasingly scarce resources and higher requirements for climate protection.

PURE QUALITY. FOR NEW PRODUCTS AND NEW MARKETS.

multipet

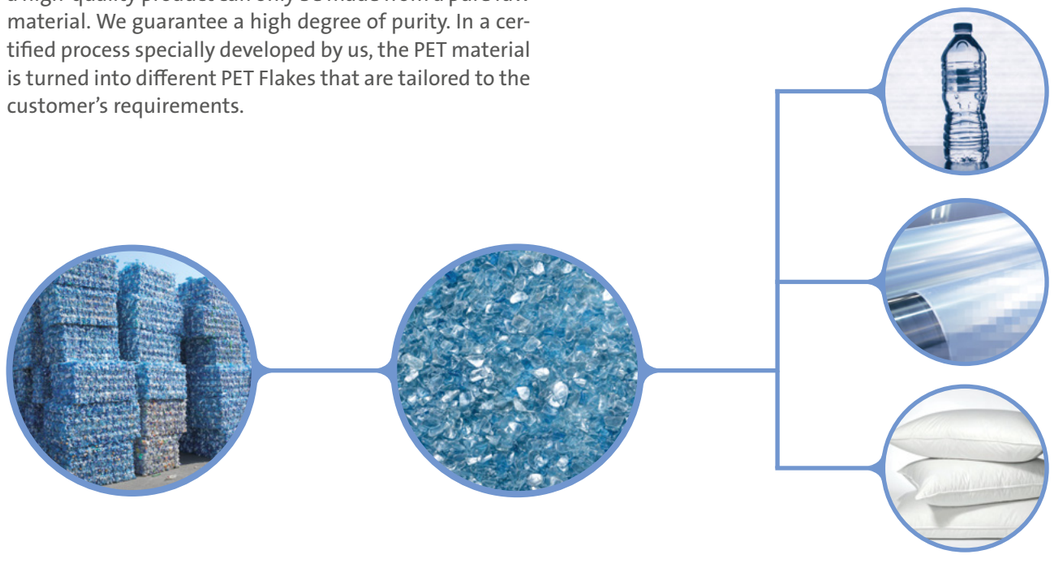
Our PET Flakes are an in-demand raw material for many products, such as polyester fibres in the automotive industry, as hygienic fibres or in the packaging industry for straps, films or bottles. PET Flakes from MultiPet resemble new material, but are considerably less expensive and preserve the environment.

PET Flakes: lastingly recyclable

Plastics are created to be long-lasting. Therefore attention should already be paid to disposal and recyclability during the design and production. This is where PET shows its strengths. Even after intensive use it is 100 percent recyclable and can be returned to the circulation as a valuable resource.

Collection and careful sorting are important here, because a high-quality product can only be made from a pure raw material. We guarantee a high degree of purity. In a certified process specially developed by us, the PET material is turned into different PET Flakes that are tailored to the customer's requirements.

Our PET Flakes are particularly welcome in the packaging industry. High quality demands are placed on the materials used here. Therefore, our products are subjected to total process checking both during and after production in order to guarantee the customer a constant high quality standard.



Raw material

Pre-sorted plastic waste is delivered loose or in bales and is examined in detail before further processing, because high-quality products can only be created from pure raw materials.

multipet Flakes

Our Flakes are available in different colours and specifications. However, our products all have one thing in common, they offer the optimum quality for your purposes.

New products

PET Flakes form the basis for a wide range of new uses. For instance in the packaging sector or for technical applications. Thanks to their particular purity they are even suitable for use as pillow fillings, for instance for allergy sufferers.

multithene multithene colors

Our compounds are made of polyolefins, which are recovered from used packaging from households and commerce. They are reused, alone or as additives, for the production of a very wide range of plastic products.

HDPE compounds according to customer-specific recipes

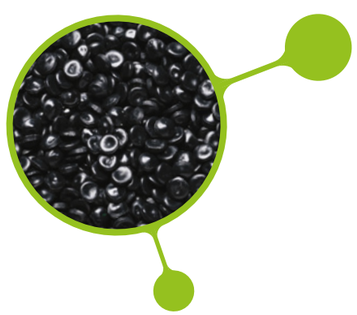
Packaging waste made of high-density polyethylene (HDPE) is the raw material for our top-class compounds. The material is primarily delivered in the form of pressed bales. During the examination for extraneous materials we remove all contaminants. Then we grind the material in a partly multi-stage process before washing and separating it. Subsequently, the clean plastic grinding stock is mechanically dried. The product created can at this stage already be processed in the plastics industry. However, the majority of the grinding stock that we manufacture is subsequently processed further into compounds: on three extrusion lines, customer-specific recipes are used to create individual raw materials for the plastics processing industry that precisely meet the respective needs.

Constant high quality

With homogenised batches of up to 12 tonnes, our own laboratory and a continuously monitored production process, we guarantee a reproducible and constant high quality of the compounds. We are continually improving our plants and processes.

HDPE compounds

With their constant high quality, our tailor-made compounds for use in the plastics industry represent an important source of raw materials for our clients. Their use also saves greenhouse gases and protects the environment.

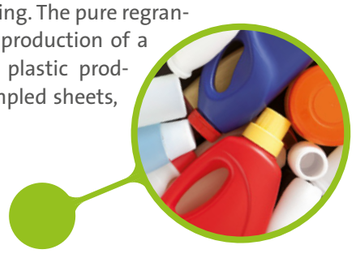


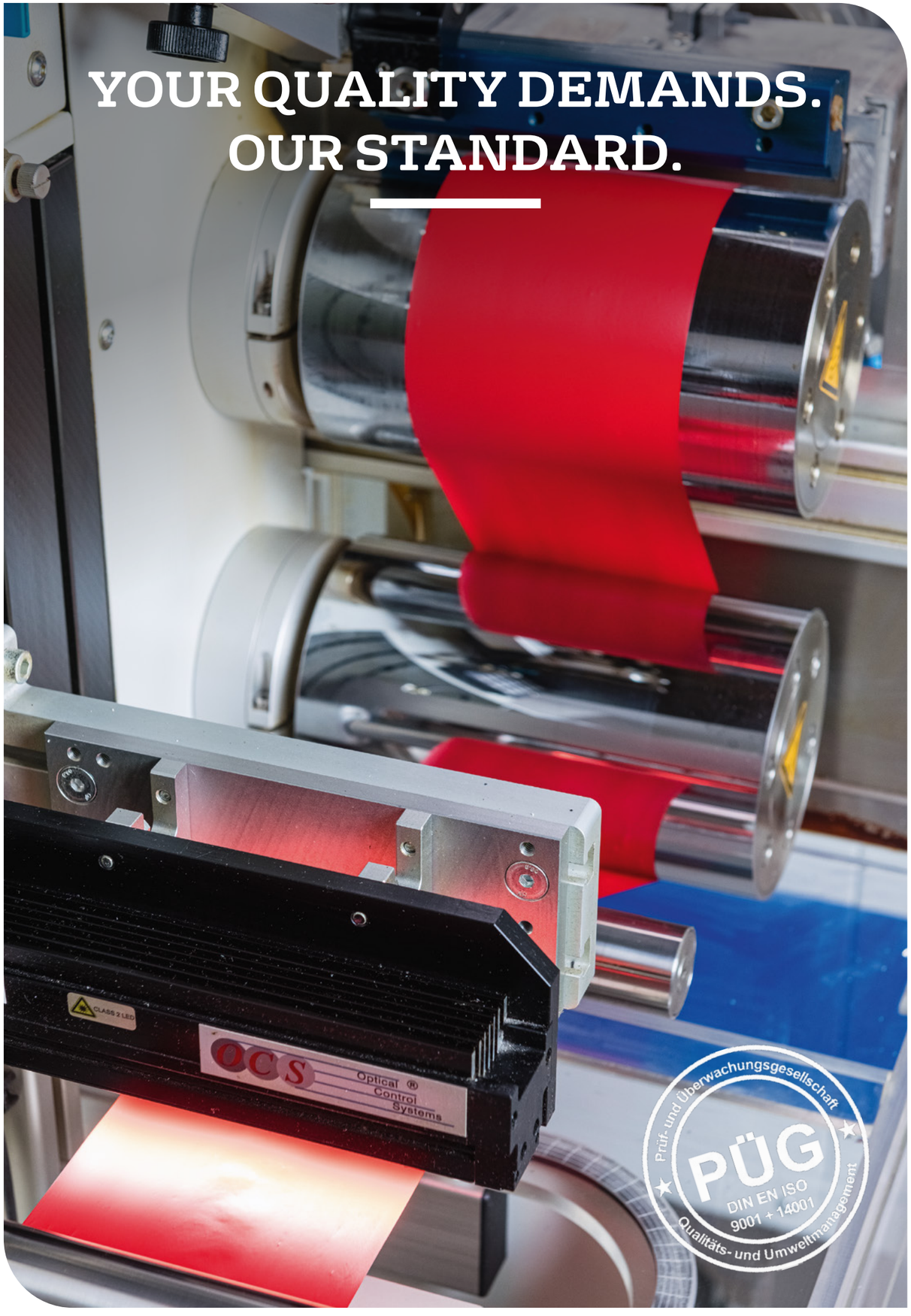
HDPE grinding stock

In addition, we also offer HDPE grinding stock, washed and freed from foreign matter, for direct use in the plastics industry. The omission of the extrusion process holds further potential CO_{2eq} savings. The grinding stock is also subject to continuous quality monitoring.

New products

Our products can be used in various ways – from extrusion to injection moulding. The pure regranulates are used in the production of a great many industrial plastic products, such as pipes, dimpled sheets, packaging and spacers.





WE ARE RELIABLE PARTNERS

Customer satisfaction – that is our test bench. Our products meet the highest individual standards and their quality level is constantly monitored in accordance with defined criteria to ensure zero-error quality. Not only that, we continually pick up on innovations and market developments.

We consistently monitor our processes

We supply products of consistently high quality. Only pre-sorted raw materials purchased according to strict criteria find their way into our works. During and after production we take the time for 100% quality monitoring using modern test equipment. With our many years of experience we manufacture products of the highest quality. Beyond that we guarantee continuous availability of our products, even in large quantities, allowing our customers to plan for the long term.

At the service of satisfied customers we meet all these requirements with qualified, experienced and motivated employees. Our aim is successful corporate development through an integrated management system. This is also documented by the corresponding certifications.

- > EN ISO 9001 Quality Management
- > EN ISO 14001 Environmental Management
- > EN ISO 50001 Energy Management
- > Certificate as last recipient plant (German Packing Law – VerpackG)
- > Certified Specialist Disposal Company (EfbV)
- > Certification to EuCertPlast

We meet strict quality criteria

In our integrated management system the responsibilities and processes are defined with regard to all environmental criteria, quality parameters and energy management activities. In this way we ensure that all technical and organisational activities that affect the environment and the quality of our products and services are controlled and monitored in the course of revolving planning. The individual modules are checked and certified by independent experts. With measurable goals and traceable programmes for quality, environment and energy we ensure an efficient organisation and a constant optimisation of processes and operational sequences.

COMPANY WITH A LONG-STANDING TRADITION.

1991 – Establishment in Bernburg

1992 – Start of production. 30 employees achieve an annual output of 2,000 tonnes

1995 – Extension of the works site and building of a new workshop. Constant investment in the increase of capacity and quality assurance

2001 – Commissioning of the PET recycling plant

2005 – Establishment of our own sorting centre, investment in a solar plant on the workshop roofs

2008 – Construction of a new raw material warehouse, renewal of the water treatment system

2010 – Constant investment to ensure the quality level

2014 – 150 employees achieve an annual output of around 56,000 tonnes

2015 – New flake sorter for quality optimisation

2017 – Veolia takes over MultiPet and Multiport

2017 – New flake sorter for quality optimisation

2020 – Color sorting for regrind

PLASTIC QUALITY FROM BERNBURG

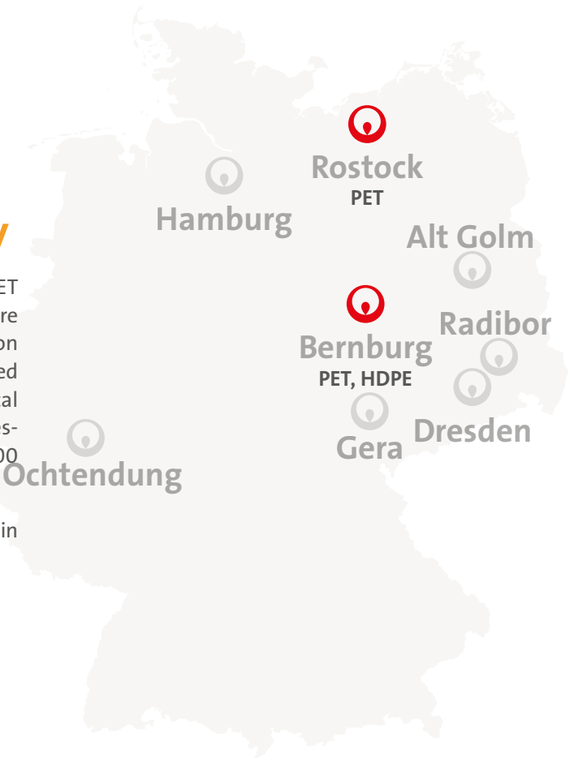
The specialists from Bernburg process material not only from the deposit system and household collections, but also from commercial sources.

The plastics come from Germany as well as other European countries such as France, Belgium or Great Britain. With an annual production of 56,000 tonnes, MultiPet GmbH and Multiport GmbH supply the industry with high-quality raw materials.

Veolia's expertise in Germany

In addition to the Bernburg site, Veolia also operates a PET recycling plant in Rostock, where food-contact recyclates are manufactured in the bottle-to-bottle process from one billion PET bottles annually from the deposit system. The patented URRC process used there is convincing in terms of technical and ecological criteria and is one of the most efficient processes in the world. Recycling in Germany saves around 180,000 tonnes of CO_{2eq} annually.

The sites are supplemented by a network of sorting plants in the Veolia regions around Hamburg, Dresden and Pegnitz.



BOOMING MATERIAL

Plastic has conquered the world and demand for it will continue to increase. Europe's plastics industry currently employs around 1.5 million people and 60,000 companies achieve a turnover of 350 billion euros.

However, plastic has become a problem in many places due to carelessness and littering. The calls for alternative materials, restrictions or abandonment are getting louder. However, it's not as simple as that. Plastic packaging protects foodstuffs and other valuable goods whose reproduction has a greater impact on the environment than the plastic. Simply banning the use of plastics is therefore not the correct solution from an ecological perspective. The solution to the problem is the recycling economy, because it converts used products into valuable resources.

Recycling is well on the way in Germany

In Germany, ideal conditions exist for returning plastics for recycling through the deposit system for beverage bottles and the separate collection of packaging waste in the yellow bag, the yellow bin or the recycling bin. In fact, Germany is number one when it comes to recycling plastic waste.

However, we can all do better: the packaging design should support recycling as far as possible and avoid multilayer packaging and the dyeing of plastics. Manufacturers should preferably use recyclates. Retailers could follow the customer trend and differentiate themselves with recyclable packaging. Last but not least, the consumer plays an essential role in responsible action: first of all through the purchase of products and packaging that are recyclable and/or made of recyclates and secondly through the careful sorting of his waste.

We promote the recycling economy

As an environmental service provider, Veolia considers itself to be a 'resourcer' rather than an 'eliminator' and implements recycling processes worldwide on an industrial scale. As part of the group, we at the Bernburg location contribute to this: we provide our customers with comprehensive advice and accompany them wherever they need us, so that together we can put the recycling economy into practice to make the world a little more sustainable.

Improvement of the design and support for innovations to facilitate the recycling of plastic products.

Expansion and improvement of the separate collection of plastic waste in order to ensure the quality of the materials for the recycling industry.

Expansion and modernisation of the worldwide sorting and recycling capacities.

Creation of markets for recycled and renewable plastics.

Resourcing the world

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