

RECYCLING PLASTICS:

AN ECOLOGICAL EMERGENCY



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increase in global plastic production by 2060 if no change



 3^{rd}

plastic is now the third most manufactured material in the world



350+
million metric tons

annual production of plastic waste



81%

plastics put into circulation that become waste in one year



Less 10%

world's plastic produced that is currently recycled

STEPPING UP THIS CHALLENGE

WITH PlastiLoop



30+ years

experience in plastics recycling



300₊

industrial clients supported for their ecological transformation of plastics



610_{kt}

circular polymers production target for 2023



Nearly 40

plastic recycling plants worldwide



jobs in our plastic recycling plants



PLASTILOOP:
THE PARTNER FOR
YOUR ECOLOGICAL
TRANSFORMATION
OF PLASTICS

CHRISTOPHE MAQUET

Senior Executive Vice President - Asia-Pacific

EXCOM sponsor for Plastic Recycling

Thanks to their properties, plastics have revolutionised our daily life and made it much easier. However, without proper collection and recycling, plastics affect our environment, harm the planet and have a long-lasting impact on ecosystems. It is one of the main environmental challenges we have to tackle today.

This is why, at a time when the ecological emergency is becoming a major issue, many companies have decided to act to limit the used volumes of virgin resin and to accelerate the transition towards a circular economy for plastics.

In the context of numerous regulatory implementations, brands and customers deeply reinvent production and consumption habits. Circular polymers are now recognised as a valuable solution for a responsible use of plastics, reduced carbon footprint and more resource savings. These are all arguments to which stakeholders, whether shareholders, investors, customers, citizens or public authorities, are highly aware.

In order to support our industrial clients in their transformation, Veolia is proud to announce the launch of PlastiLoop, our new brand of ready-to-use circular polymers.

Thanks to the combination of a wide network of experts and years of experience, PlastiLoop is offering a unique and structured range of resin grades, addressing the needs of our industrial clients for many of their applications, even for the most stringent standards applicable on their markets. Our solution provides a customised approach for each industry. With PlastiLoop, we ensure reliable sourcing and guaranteed performance tailored to your products.

We are committed to being your long-term partner to help you meet your commercial, industrial and environmental challenges. More than ever, with PlastiLoop, Veolia strives to be, with you, the champion of ecological transformation.

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HOW **VE CAN**BRING YOUR PLASTIC TRANSITION

Based on a wide variety of resins, the PlastiLoop range of circular polymers is backed by proven industrial processes and a truly responsible approach. Here is an overview of the benefits for you.



→ Providing you with ready-to-use, high-performance products

PlastiLoop is designed to help you succeed in your industrial challenges wherever **you are in the world.** We supply a large range of circular polymers with performance levels that meet the diversity of your needs and your customers' requirements. We can even provide food grade resins. Upon receipt, you can integrate our fit for purpose products into your manufacturing process.













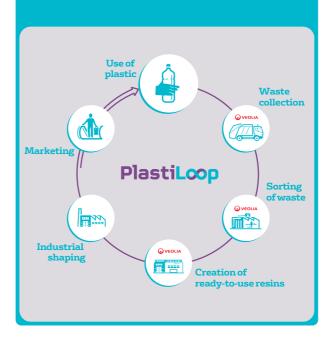


→ Guaranteeing the reliability and quality you expect

PlastiLoop offers you high quality products with properties that meet your technical requirements and fit consistently into your industrial **production chain.** Veolia has substantial expertise from upstream to downstream and perfectly masters and secures the full recycling value chain. Our activities start at waste collection, and using our high tech factories continue through separation, shredding, washing, compounding, and extrusion, to which post-treatment steps can potentially be added. We strictly select raw materials and ensure quality control of PlastiLoop products. All of these steps are necessary to manufacture ready-to-use circular polymers.



By nature, PlastiLoop is your partner to accelerate the transition to a circular **economy for plastics.** By opting for our circular solutions, you reduce the volume of virgin plastic used, limit the consumption of natural resources and reduce your CO₂ emissions by more than 70%. This way, you optimise your environmental footprint without compromising the quality of your products.





→ Helping you to combine economic stakes with a virtuous circular economy

Through the proposed solutions, PlastiLoop strives to integrate the challenges of your business and to partner with you in structuring local and sustainable value **chains.** Together, we transform plastic waste into raw material for your high-end products. your CSR commitments, we can offer you different sustainable business models. to oil price fluctuations. By giving value to recycled plastics, you are clearly making the choice for the environment.



→ Enabling you to satisfy your customers' demand for change

PlastiLoop is a responsible and sustainable response to your customers' growing ecological concerns. Aware of the climate emergency, they are also highly concerned about reducing plastic pollution. They are now looking to redirect their consumption and favour products with a controlled and traceable environmental footprint. Thanks to PlastiLoop, you can soon offer your customers a flagship product made from circular polymers.

PLASTILOOP: THE PARTNER FOR YOUR ECOLOGICAL TRANSFORMATION OF PLASTICS PLASTILOOP: THE PARTNER FOR YOUR ECOLOGICAL TRANSFORMATION OF PLASTICS

A CUSTOMISED APPROACH TO MEET YOUR NEEDS

Working alongside you, our experts support your circular economy strategy and the successful integration of recycled resins. With our extensive product range and continuous developments, we strive to meet all of your expectations.

→ CUSTOMERS SAY IT BETTER THAN WE DO



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Together with Veolia, we have created the first closed-loop for polypropylene flower pots. Veolia collects the used plastic pots that our customers drop off in our shops and recycles them into pellets that are then transformed into new flower pots. In a truly ecological approach, our products are 100% recycled and 100% recyclable, which saves resources.

A CHAIN OF GARDEN CENTRES



Since 2010, we have been implementing a strategy to use recycled plastic in our products, which represents up to **three times** less CO₂ emissions than virgin plastic. Veolia quickly convinced us that they were the good partner to meet our objectives and requirements. Among others, its presence as operator for the local WEEE Extended Producer Responsibility scheme was a decisive contribution to set a closed loop post consumer solution. After a development and test phase during which many technical challenges have been overcome, our first products incorporating recycled material were put on the market. Within the company, recycled plastic is now seen as being a major plus in terms of customer value.

A WORLD LEADER IN

SMALL HOUSEHOLD EQUIPMENT





As an automotive supplier with an industry-leading portfolio in sustainable materials, we are uniquely positioned to provide innovative solutions to carmakers and their customers. By combining our innovation and industrial forces with Veolia, we will accelerate the introduction of breakthrough sustainable materials and their time-tomarket, as well as contributing to reducing plastic waste and strengthening the circular economy.

A GLOBAL LEADER IN
AUTOMOTIVE TECHNOLOGY



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A WORLD LEADING
FOOD COMPANY



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Thanks to the recycled resins that Veolia has been faithfully supplying us for many years, we are manufacturing high-performance products, dedicated in particular to the treatment of rainwater, which perfectly meet our requirements and quality controls. This reduces our carbon footprint and gives us lighter modules with the advantage of also being recyclable.

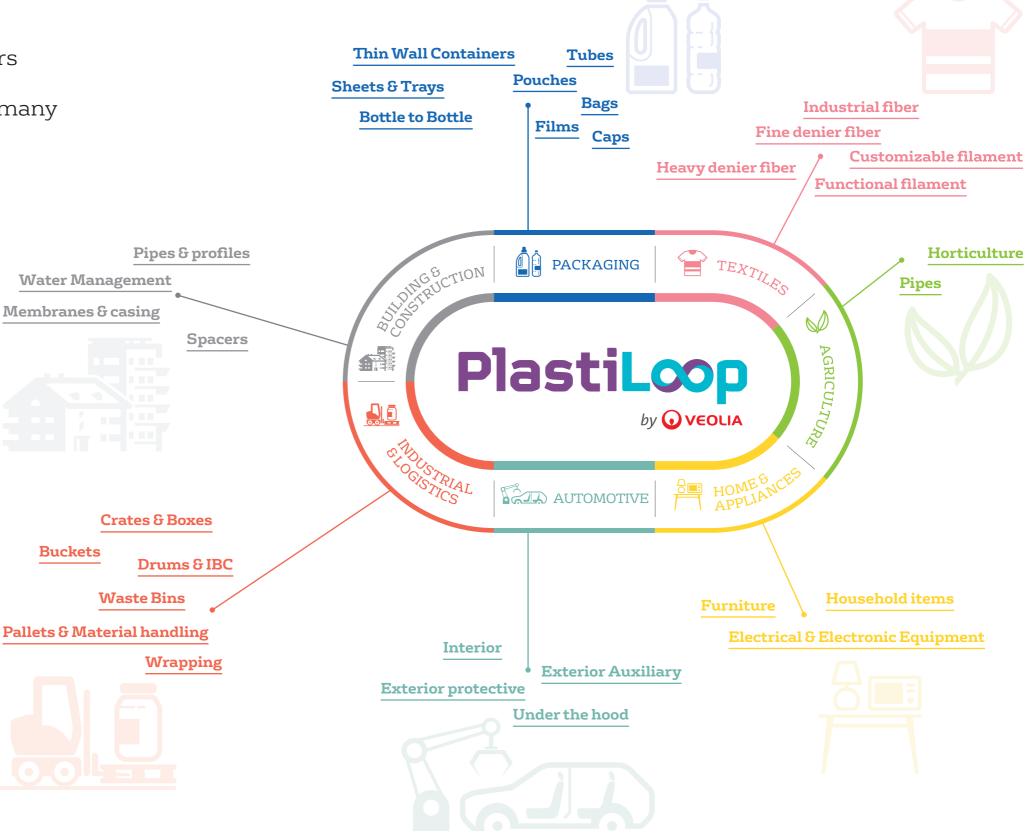
A LEADING MANUFACTURER OF CONSTRUCTION MATERIALS



AN OFFER TARGETING VARIOUS BUSINESS SECTORS

The high performance circular polymers we produce can be directly integrated into the industrial production chain of many business sectors.

66 *In order to best support our customers* over the long term, we provide them with plastic collection and recycling solutions that aim to reduce their reliance on virgin resins and to accelerate their transition to a circular plastics economy. Our laboratories design advanced recycling formulations to consistently meet the standards and performance that our customers expect for their products. Once the process has been mastered and complies with their requirements, we proceed with the actual production of recycled plastics in our plants. Our unique expertise enables us to meet a wide range of industrial needs and to offer series and grades that are fully adapted to our customers' commercial and technical specifications. We work with more than 300 customers from many industries. We help them to achieve their sustainability goals and to contribute to the ecological transformation. We reduce the leakage of plastics into the environment. We combat climate change. We preserve the resources. Vice President for Recycling and Recovery



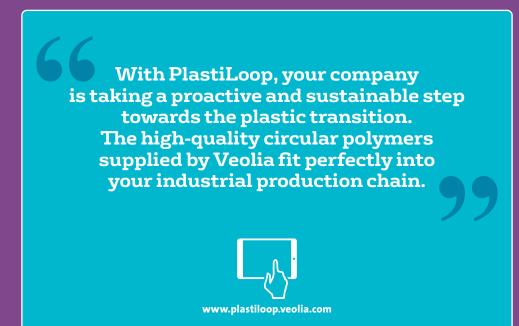
GLOBAL PRESENCE, LOCAL **EXPERTISE**

At Veolia, we are global but local. As the world leader in ecological transformation, we operate nearly 40 plants dedicated to recycling plastics. Located close to your value chain, in Europe and Asia, they allow us to meet all your needs anywhere in the world.



With our global network of recycling plants and our strong presence in Europe and Asia, we work closely with you in your markets to provide reliable long-term support. Our approach, based on transparency and cooperation, aims to put in place the collection and recycling systems that will provide you with ready-to-use, high-performance resins. By working with Veolia, you are guaranteed high quality expertise and a partner who understands your industrial, technical and commercial challenges and the fundamentals of your value chain.





Resourcing the world