



New thinking for a cleaner tomorrow

PreZero Polymers gives plastic waste a new life

January 2021



Agenda

01 PreZero Polymers as part of the Schwarz Group
One of the most successful trading companies of the world.

02 PreZero Polymers
What defines us.

03 PreZero Polymers products and applications
Discover the power of our tailor made recyclate.

04 Outlook
New Approaches in the recycling industry



1,300
Kaufland stores

10,800
Lidl stores

Part of the Schwarz Group:



One of the most successful trading companies of the world

113.3 billion Euro turnover

Over 12,100 stores

458,000 employees

33 countries*



Within the Schwarz Group we close the loop



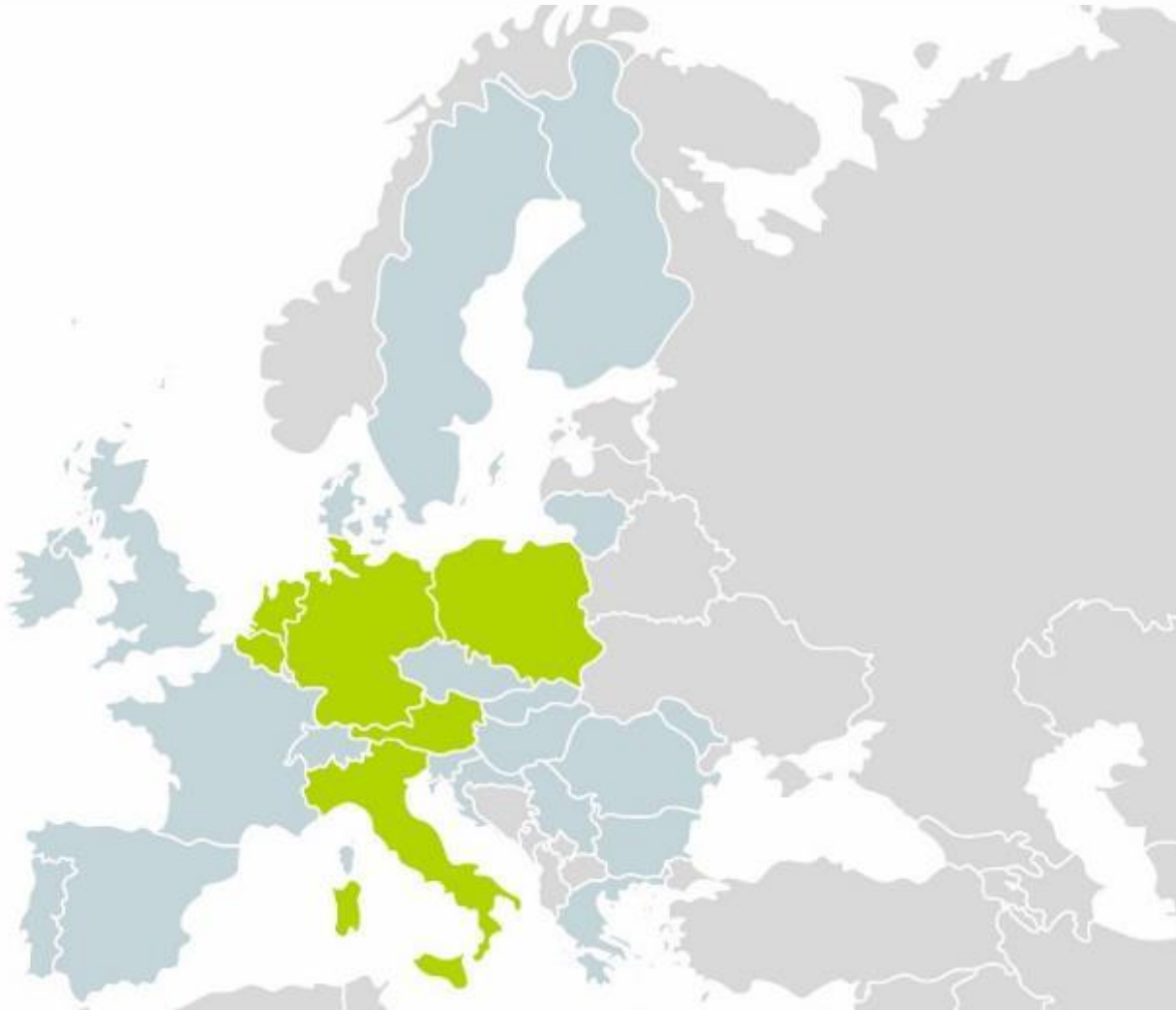
- **PreZero is going the extra mile** by collecting, sorting and providing the secondary materials to its recycling plants.
- Based on the final customer demands, those plants are developing **tailored-made solutions** giving plastic waste a new life.

PreZero is the first waste management company in the market **closing the loop** in the recycling process.





PreZero in Europe and around the World



500 MEUR turnover in 2019



54 locations in DE

30 locations in PL

1 location in NL, BE, IT, AT

2 locations in the US



3.600 employees



1.100 trucks

Our Business units:



Waste Management



Dual



Recycling



PreZero Polymers | State of the art recycling plants

A **recycling pioneer** for post-consumer waste and industrial scrap

4 Production Facilities in Europe and USA

Giving plastic waste a new life for nearly **30 years**



Our PreZero Polymers facilities



PreZero Polymers Austria GmbH (Haimburg, AT)

- Located in the heart of Europe
- 75,000 sqm plant
- Production facilities consisting of 5 washing lines and 6 extruders

PreZero Polymers Italy SPA

- Located in the north of Italy
- 14,500 sqm plant
- Production facilities consisting of 3 washing lines and 3 extruders

We have a total production capacity of 95,000 tons/year in Europe

**Production capacity
55,000 tons/year**



**Production capacity
40,000 tons/year**



Our PreZero Polymers facilities



PreZero US facility Westcoast (California, USA)

- Located in California
- 7,500 sqm plant
- Production facilities consisting of 1 washing lines and 1 extruder

PreZero US facility Eastcoast

- In the heart of South Carolina
- 8,000 sqm plant
- Production facilities consisting of 1 washing lines and 1 extruder

**Production capacity
40,000 tons / year**



**Production capacity
40,000 tons / year**



We are targeting a total production capacity of 80,000 tons/year in the USA



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Being part of the change



**China ban
of waste export**



**European
recycling
guidelines**



**Market
consolidation**

For our customers' success we give global plastic waste a new life to make the world a better place.





Our Strategy

- Driving the **market change through our growth**
- **Customer focused** development
- Lean and low **cost asset base**
- Focus on **performance**
- **Proximity** to our sorting lines





Our Core values

Connected



Structured



Respectful



Self-determined



Pragmatic





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PreZero Polymers Value Chain



1. Input material

2. Shredding

3. Washing, sorting
and drying

4. Extrusion and
palletization

5. Final product



**Discover the power of our tailor-made
recyclate for various applications**



From waste to your final application



Building & Construction



Industrial & Packaging



Gardening



Furniture & Household

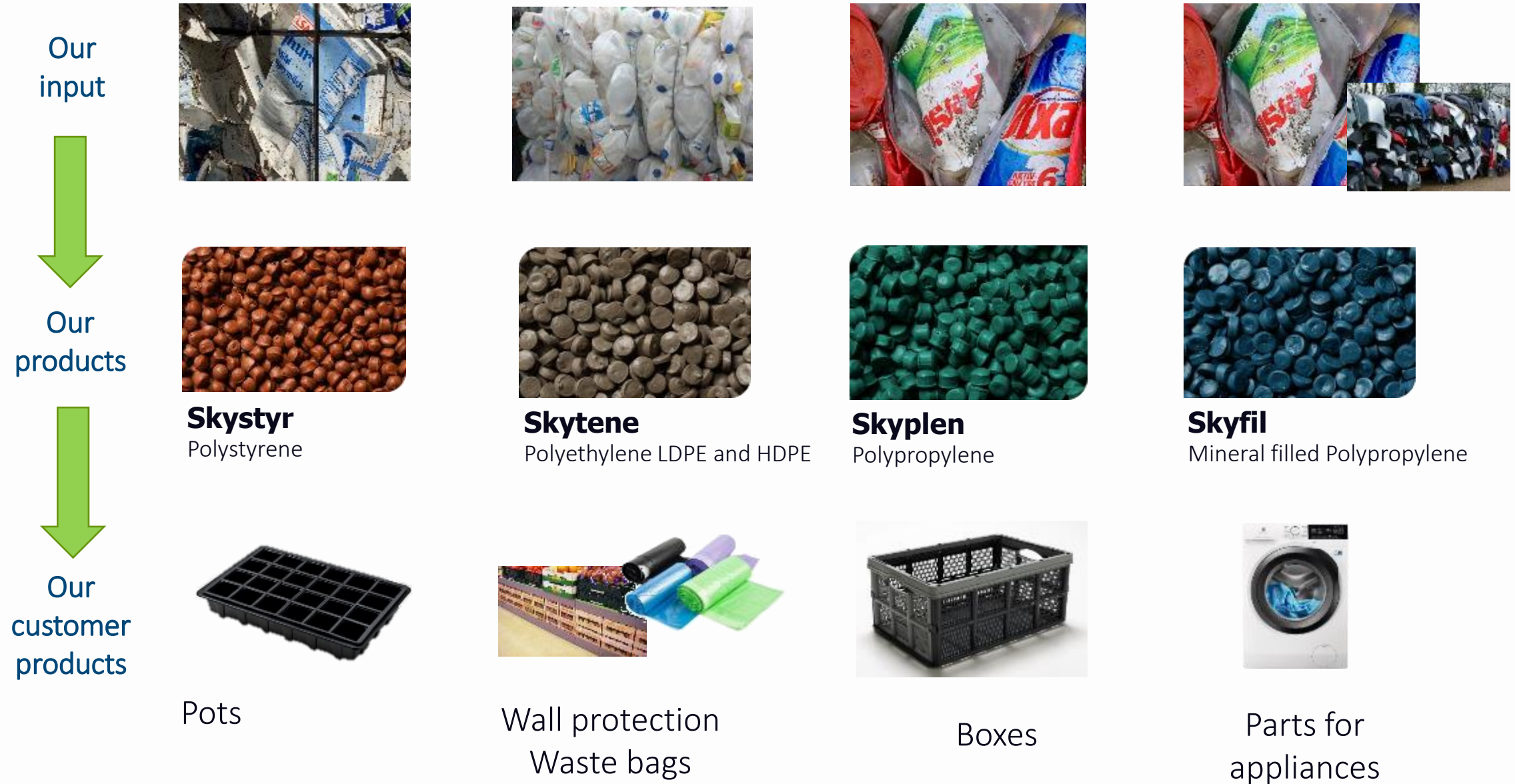


Automotive, Appliance & Electrical

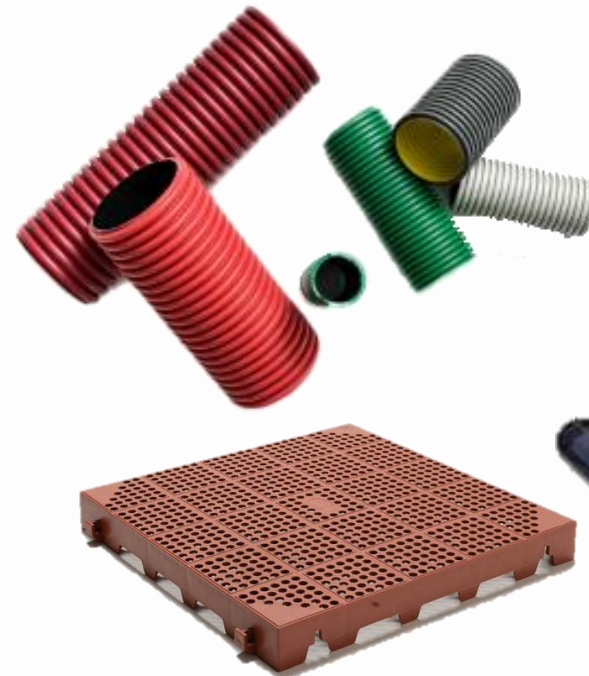




PreZero Polymers gives plastic a new life



Our tailor-made solutions for Building & Constructions



Our tailor-made solutions for Industrial and Packaging



Our tailor-made solutions for Gardening



Our tailor-made solutions for Furniture and Household



Our tailor-made solutions for Automotive



Our tailor-made solutions for Appliance



Our tailor-made solutions for Electrical





Our Certifications

PreZero Polymers has an integrated Environmental and Quality Management System



ARGE Cyclos / HTP



Ecovadis 2019



Eucertplast



L'Ente Italiano
Di Accreditamento



Geprüftes
Umweltmanagement



Iso 9001:2015
Iso 14001:2015
Iso 50001:2011



Ippr Plastica Seconda Vita



Member of PRE



Iso 9001 /
Uni En Iso 9001:2015

Iso 14001 /
Uni En Iso 14001:2015



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With our products we give customers the opportunity to be part of the change.



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New Approaches in the Recycling Industry

Close the Loop – within Schwarz group

- 1:1 Recycling for packaging (other materials than PET)
- Changes in the requirements for the packaging
 - Recyclability
 - Colors
 - No multilayer
 - Recycled content



New Approaches in the Recycling Industry

New sorting strategies

- Marker for special applications (e.g. food contact)
- Improved analysis of NIR spectroscopy results
 - E.g. separate homo from copolymers

New recycling cycles

- E.g. collect buckets from building industry and make buckets out of it



New Approaches in the Recycling Industry

Triggered by the EU Directive on recycling

Changes in the regulatory environment

- Cosmetics
- Food Contact

Changes in packaging design

- Certain laminates will vanish (E.g. paper plus PS)

Interested? Get in contact!

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