



RESINEX



Circulair, Klimaatvriendelijk en Performant:  
**Ontdek Ravapura®**

# Meet the presenter



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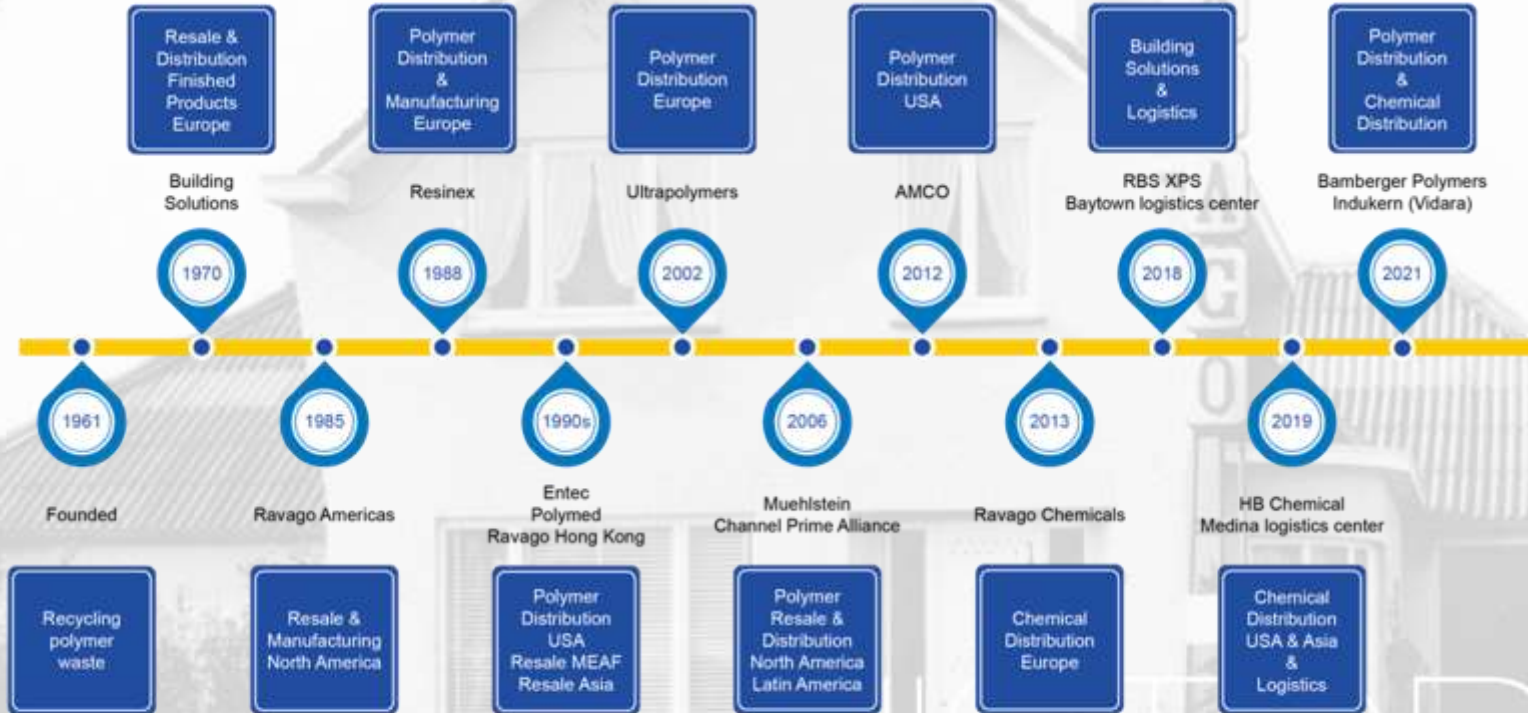
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Who is Ravago?



HISTORY

# Who is Ravago?



# Who is Resinex?

- Pan-Europees distributeur
- Vertegenwoordigen plastic producenten
- Think global, act local
- Recycleren zit in ons DNA

*We do not inherit the earth from our  
ancestors,  
we borrow it from our children*

*-Raf van Gorp-*



# Ravago Manufacturing Europe



Over **60 years of experience** in recycling & compounding



**Virgin and recycled** (PIR & PCR) products in many polymer types



Range of manufacturing and laboratory facilities, enabling **tailor-made formulations** to meet specific requirements



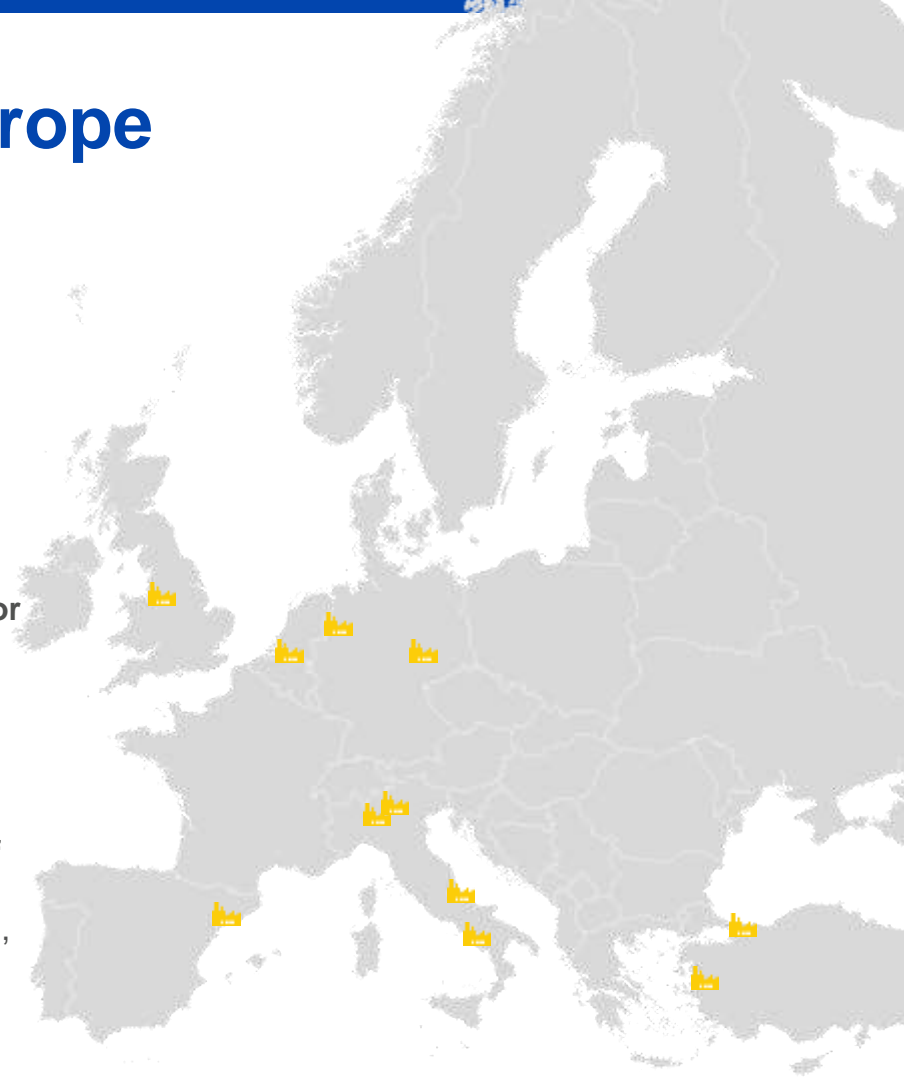
Supplier of **Polyolefins, engineering plastics** and **thermoplastic elastomers**



Product design & **designing for recycling** advice



Solutions for a **wide range of markets**; mobility, consumer goods, building & construction, packaging, & electronics



# Drivers of the transition to recycled



## EU Legislation

- Green Claims Directive
- EU Packaging & Packaging Waste Regulation (PPWR)
- Ecodesign for Sustainable Product Regulation



## Brand Owner Pledges

- Despite some brand owners now revising their pledges as 2025 approaches<sup>1</sup>, challenging targets are still in place for the coming years<sup>2</sup>



## Consumer Demand

- 46% of consumers are buying more sustainable products to reduce their impact on climate change, and pay more for it<sup>3</sup>
- Since 2018, the use of post-consumer recycled plastics increased by 70%<sup>4</sup>

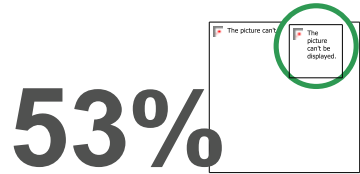
<sup>1</sup><https://packagingeurope.com/comment/why-are-so-many-brand-owners-set-to-miss-their-packaging-sustainability-targets/11565.article> |

<sup>2</sup><https://circulareconomy.europa.eu/platform/en/commitments/pledges> | <sup>3</sup><https://www.pwc.com/gx/en/issues/c-suite-insights/voice-of-the-consumer-survey.html> |

<sup>4</sup>[https://plasticseurope.org/wp-content/uploads/2024/05/Circular\\_Economy\\_report\\_Digital\\_light\\_FINAL.pdf](https://plasticseurope.org/wp-content/uploads/2024/05/Circular_Economy_report_Digital_light_FINAL.pdf)

# Green Claims Directive

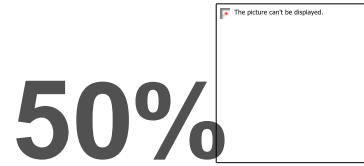
Reliable, comparable and verifiable environmental information for consumers



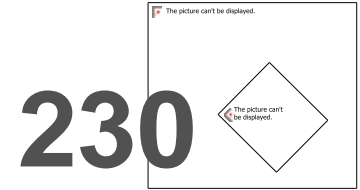
Of green claims give vague, misleading or unfounded information



Of claims have no supporting evidence



Of all green labels offer weak or non-existent verification



Sustainability labels and 100 green energy labels in the EU

## Green Claims Directive

- March 2023 – EU Commission adopts proposal for the directive which requires companies to **substantiate claims**
- Methods used to substantiate claims must be **robust, science based** and **verifiable**
- **Life Cycle Assessments (LCAs)** therefore enable these criteria to be met and provide evidence of product carbon footprints to ensure transparency

## Ravago production



# Why did we begin our LCA journey?

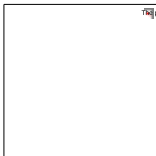
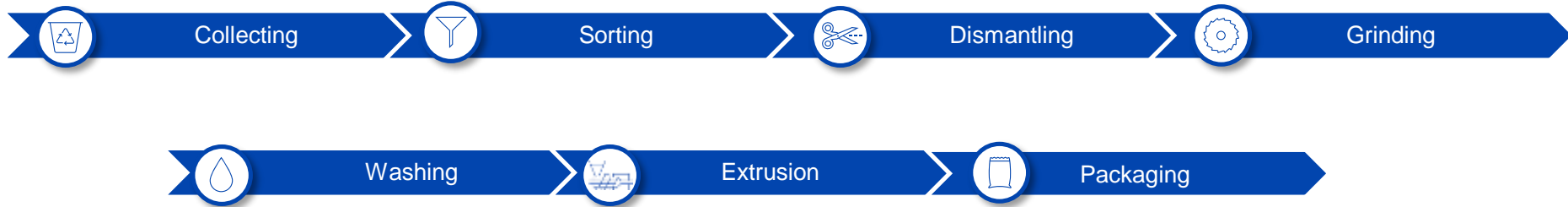
1. Support our customers in conducting their own product Life Cycle Assessments
2. Identify impact reduction opportunities for energy and materials used in our production processes
3. Anticipate future legislation and make our company more resilient
4. Spark innovation on how to decrease the environmental impact of our products.



# Our LCA methodology

Cradle-to-gate using single cut off method

SimaPro



Scope 1: Direct emissions

Scope 2: Indirect emissions – Externally bought energy

Scope 3: Other indirect emissions

# LCA in action

A comparison based on application



Restaurant  
Aircraft

0 kg CO<sub>2</sub>e  
119.46 kg CO<sub>2</sub>e

5.45 kg CO<sub>2</sub>e  
10.77 kg CO<sub>2</sub>e

2.38 kg CO<sub>2</sub>e  
3.42 kg CO<sub>2</sub>e

# Lower your carbon footprint with Ravapura®

With EU legislation such as the Green Claims Directive and the Corporate Sustainability Reporting Directive coming into force, clear and verifiable sustainability data is more important than ever.

Therefore, the cradle-to-gate carbon footprints of Ravapura grades have been calculated and shown that you can **save up 83% CO<sub>2</sub>eq** compared to using virgin plastics.

We are pleased to support you in your carbon saving goals!



# Ravapura® PCR-based compounds

Ravapura compounds are made from carefully selected post-consumer recycled plastics to ensure high quality.

We work across the PCR value chain by:

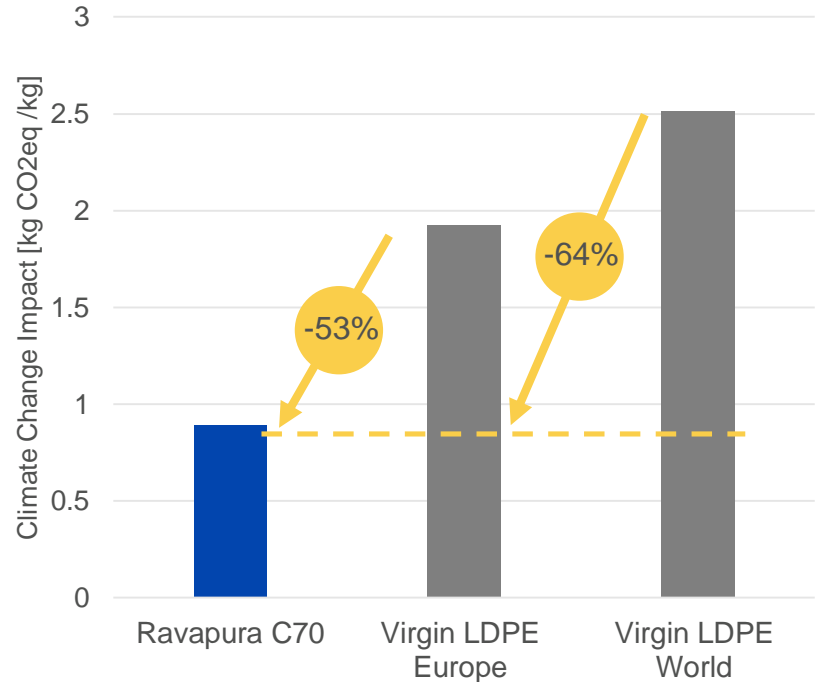
- Identifying and sourcing diverse post-use plastic waste feedstocks, securing high-quality volumes
- Delivering high performance and sustainability value
- Supporting converters and brand owners in using, and growing, recycled content
- Developing industry partnerships across the value chain



# Carbon footprint: Ravapura<sup>®</sup> C70

LDPE containing 70% PCR content

- Ravapura C70 is an LDPE compound containing 70% post-consumer recycled LDPE and 30% virgin LLDPE
- Ravapura C70 was found to have a 53% lower carbon footprint compared with virgin LDPE produced in Europe
- Data Quality Rating: 1.91 (Very good rating)



Benchmark values from Ecoinvent 3.9.1 database in Simapro, Ravapura value based on primary Ravago data collected in 2022

# Case study: Ravapura<sup>®</sup> C70 in secondary femcare packaging

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## Key features

- 70% recycled LDPE from post-use feedstock
- Natural, translucent color
- Low gel & odor
- Virgin-like processability
- Recycle-ready with full PE structure

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## Technical benefits

- Outstanding mechanical properties
- Drop-in replacement so customers can use existing machine settings
- Low level of Substance Of Interest (SOI) from batch to batch
- Same film thickness achievable as with virgin LDPE

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## Typical applications

- Flexible packaging (non-food)



By supplying this more sustainable solution, we support this specific customer in saving **657 tonnes** CO2eq per year.

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That's the equivalent of 1 person flying on **313** round trips between Paris and New York.

# Ravapura® PP 9950 in aerosol deodorant cap

## Key features

- 99% recycled PP from post-use feedstock
- Light grey; self-colored with masterbatch

## Technical benefits

- Good colorability
- Good color consistency
- Dimensional stability / tolerances
- High flow

## Why did the customer choose Ravapura?

- High PCR content to support sustainability claims
- Good colorability to meet brand color requirements

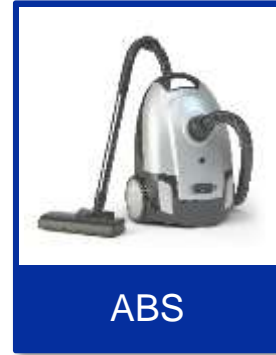


By supplying this more sustainable solution, we support this specific customer in saving **680 tonnes CO2eq** per year.

That's the equivalent of driving a mid-range petrol car on **941** round trips from Paris to Berlin.

# Ravapura® portfolio

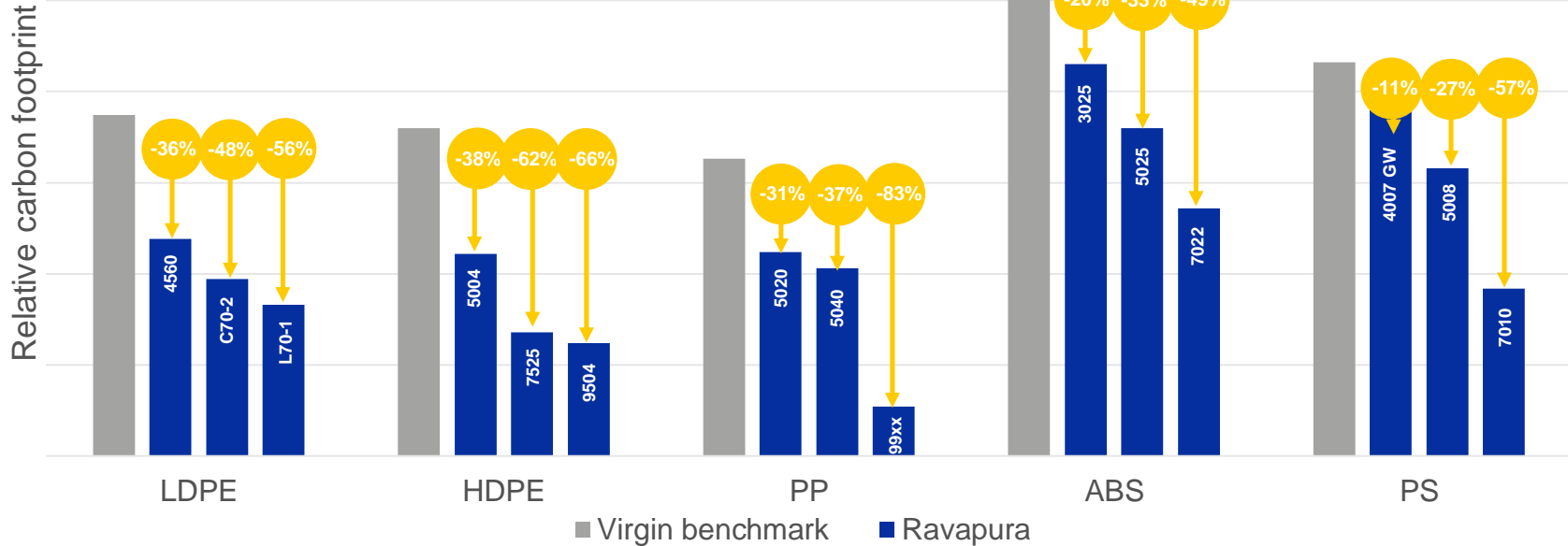
Post-consumer recycled plastic compounds



# Carbon savings of up to 83%

Examples of the significant CO2 reduction potential by switching to Ravapura

Data quality rating (DQR) =  
“very good quality”



Benchmark values from Plastics Europe (checked 2026), Ravapura values based on primary Ravago data collected in 2024/2025  
DQR ranges from 1.72 to 2.00, values 1.5 to 2.0 are classified as very good quality

# Resinex & Ravago

## Your partners for recycled compounds

What goals do you want to achieve with your plastic materials?

- ✓ Optimize performance
- ✓ Reduce carbon footprint
- ✓ Increase use of recycled materials
- ✓ Full-portfolio service from one supplier
- ✓ Tailor-made compounds
- ✓ Source reliable quality & volumes

Whatever your goal, our knowledgeable team are available to support you locally.

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**Want to find out more?**

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[www.resinex.com](http://www.resinex.com)

[www.ravagomanufacturing.com](http://www.ravagomanufacturing.com)

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Resinex Benelux

Ravago Manufacturing Europe



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