



Svensk Plaståtervinning

Rickard Jansson

Development Manager

Swedish Plastic Recycling



Vinnare av Dagens Industris
Årets impactbolag 2022

Svensk Plaståtervinning

2018

Established

110

Number
of employees

1 billion SEK

Revenue 2022

8 500

Swedish business
customers

2022

Impact-Gazelle
of the year
(Dagens industri)



Headquarter and sorting and
recycling facility in Motala



Who are we and what do we do?

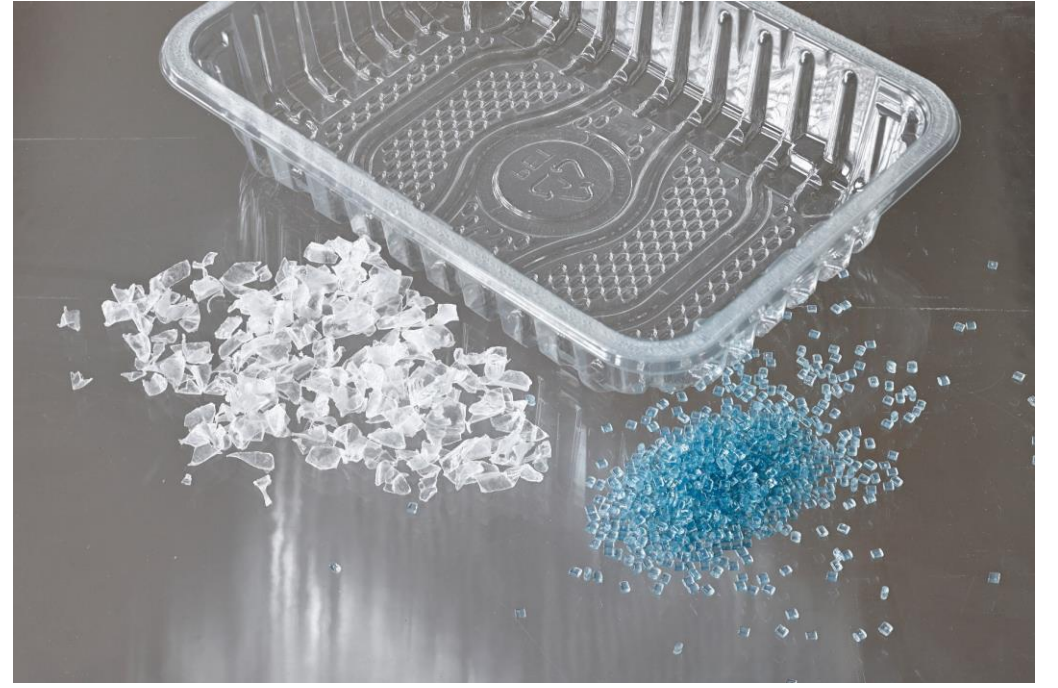
- **Extended Producer Responsibility (EPR):** Working on behalf of the EPR system, providing a nationwide system for collection of plastic packaging. The operation is financed by the producers who pay a fee per kg plastic packaging they put on the Swedish market.
- **Owners:** Owned by our customers, a large part of the Swedish business industry (Packaging producers, The trade association, The Retail and Wholesale council). Not profit-driven but acting on a competitive market.

Vision: *All plastic packaging should become new plastic products – With resource efficient recycling while minimizing the carbon footprint.*

Mission: *Help our customers fulfil the Extended Producer Responsibility and to achieve their climate goals.*

Our recycling system of household plastic packaging today

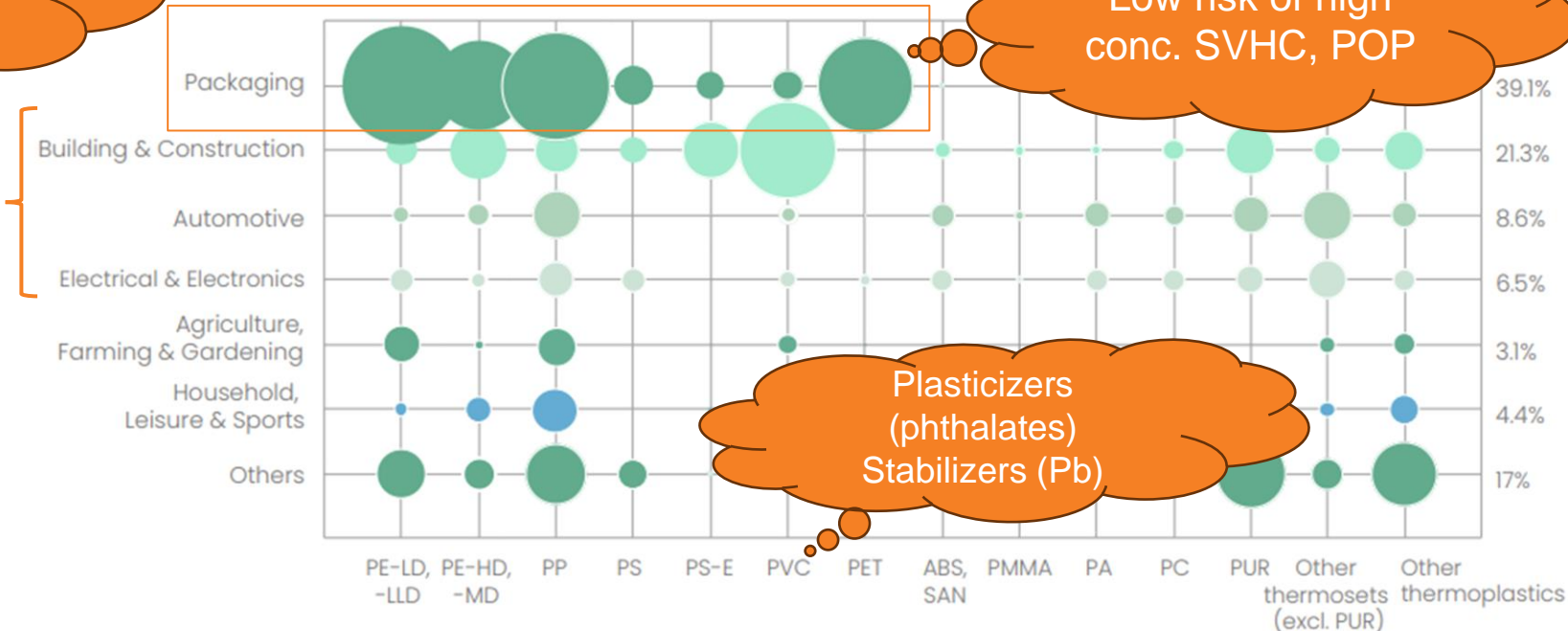




European plastics converters' demand by application and type

Flame retardants
(brominated compounds)

Low risk of high conc. SVHC, POP



Plasticizers
(phthalates)
Stabilizers (Pb)

Source: Conversio Market & Strategy GmbH based on the input of the Plastics Europe Market Research Group (PEMRG)
 The above data are rounded estimations.
 Demand data are built on estimations of quantities bought by European converters, including imports.
 Demand for recycled plastics and bio-based/bio-attributed plastics is not included. Polymers that are not used in the conversion of plastic parts and products (i.e., for textiles, adhesives, sealants, coatings, etc.) are not included.
 Numbers behind this graph are available upon request.
 Plastics - the Facts figures on PA only cover PA6 and PA66.



Recycling of household plastic packaging

- Concentrations of hazardous substances in source separated plastic packaging waste is generally low
- Short lifecycle of single-use packaging – restricted substances phased out
- Sorting made on polymer-level by NIR, not on hazardous substances
- Monitoring of hazardous substances in PET-recycling to FCM (implementation of Regulation (EU) 2022/1616)
- Less frequently monitoring of hazardous substances in recycling of other plastics

Recycling targets **within** the EU

50% of the plastic packaging placed on the market must be recycled by 2025

55% of the plastic packaging placed on the market must be recycled by 2030



New **EU-legislation** starting 2030

PPWR: Proposal that every plastic packaging should contain recycled plastic raw material

Packaging with food contact:



10%

Other packaging:



35%

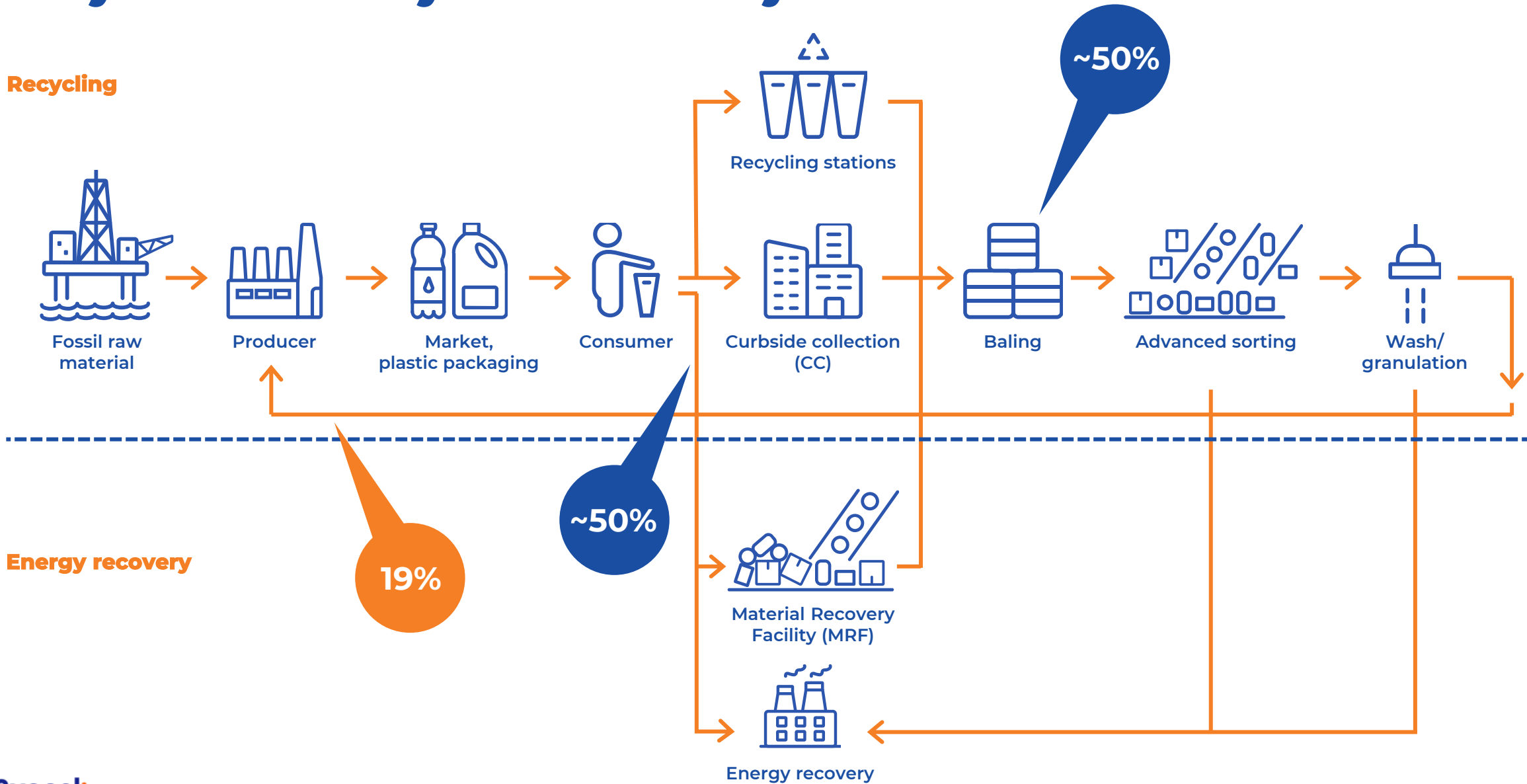
Recycling of **our** household packaging

19%

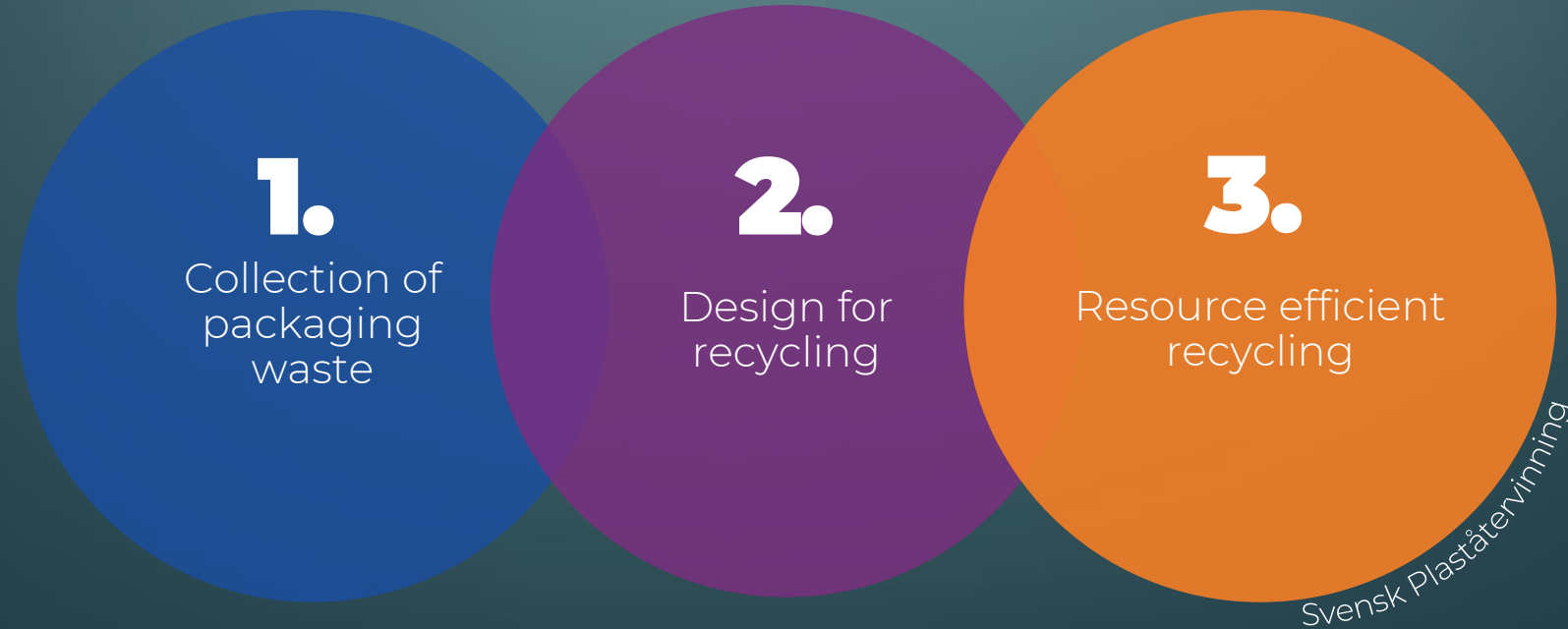
Our customers' recycled plastic household packaging 2022

Why don't we recycle more today?

Recycling



How do we make plastic packaging part of the circular economy?



Site Zero

Circular recycling

The world's largest and most efficient sorting and recycling facility for high-quality plastic recycling

Inauguration autumn 2023

Each type of plastic is sorted and recycled separately to enable remanufacturing of the same type of packaging

Site Zero

Circular recycling

Phase 1: 2023

Sorting of 12 plastic types:

- Rigid PP
- Rigid HDPE
- Flexibel PE
- Flexibel PP
- PET-bottles (transp)
- PET-bottles (colored)
- PET-trays (transp)
- PS
- EPS
- PVC
- 2 Polyolefin-mixes, metal and rejects

Granulates for composite-products

Site Zero

Circular recycling

Phase 2: ~2026-27

Chemical recycling of laminates

Washing/
granulation
on site

Energy-
recovery with
CCS/CCU

Solar power

Svensk
Plaståtervinning



Finansieras av
Europeiska unionen
NextGenerationEU

What happens to the packaging?

Detergent bottle?



Ice cream tub?



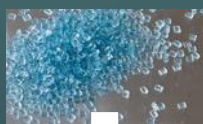
Transparent PET bottles?



Styrofoam packaging?



Meat tray?



Colored PET bottles?



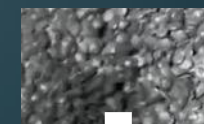
Creme fraiche packaging?



Pasta bag?



Bread bag?





Questions?



THANK YOU!