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POLYPERCEPTION

Circulaire Economie & Recyclage







POLYPERCEPTION

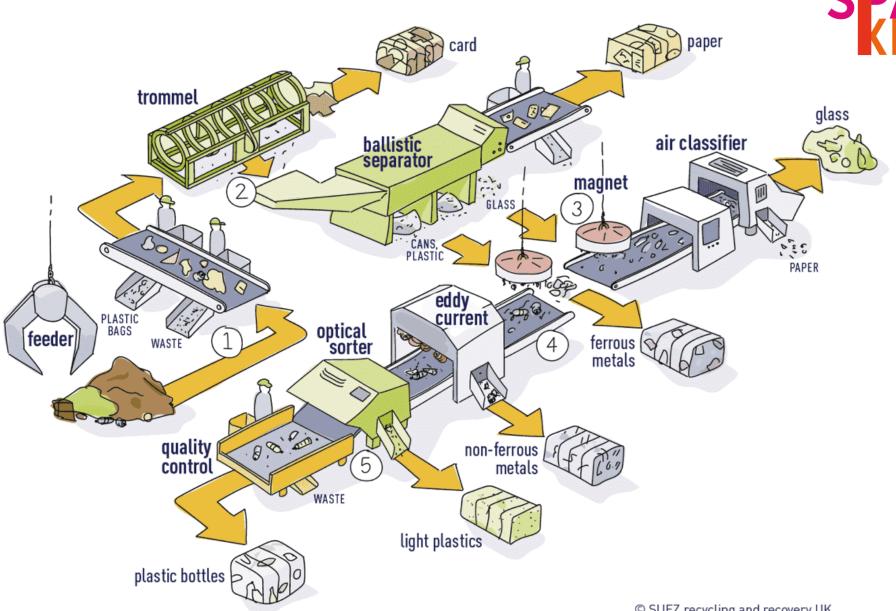
We want to empower **decision makers** across waste management with real-time data and valuable insights to make **more impactful decisions**, as we transition towards a circular future.

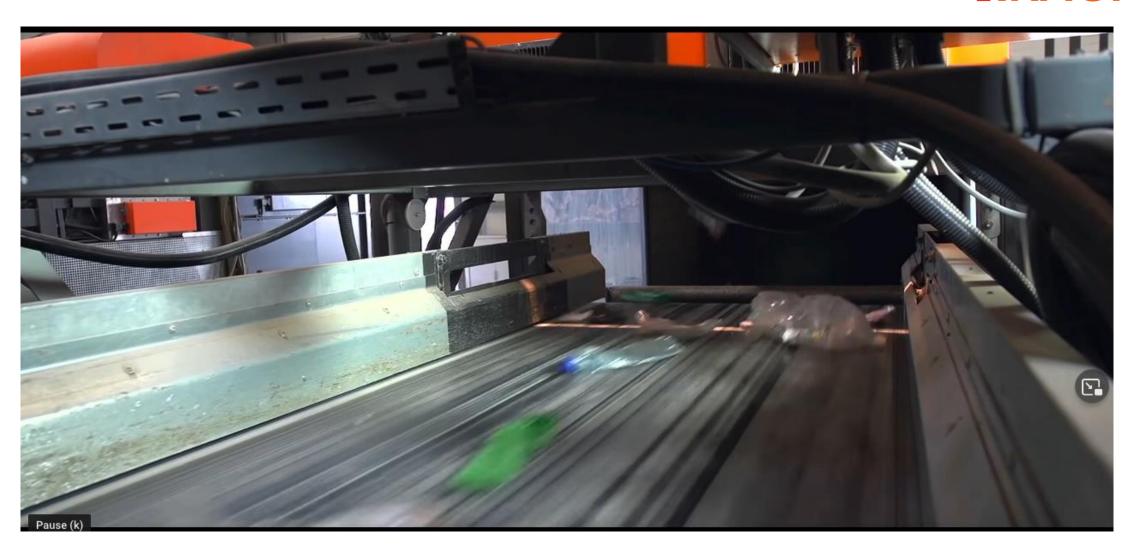


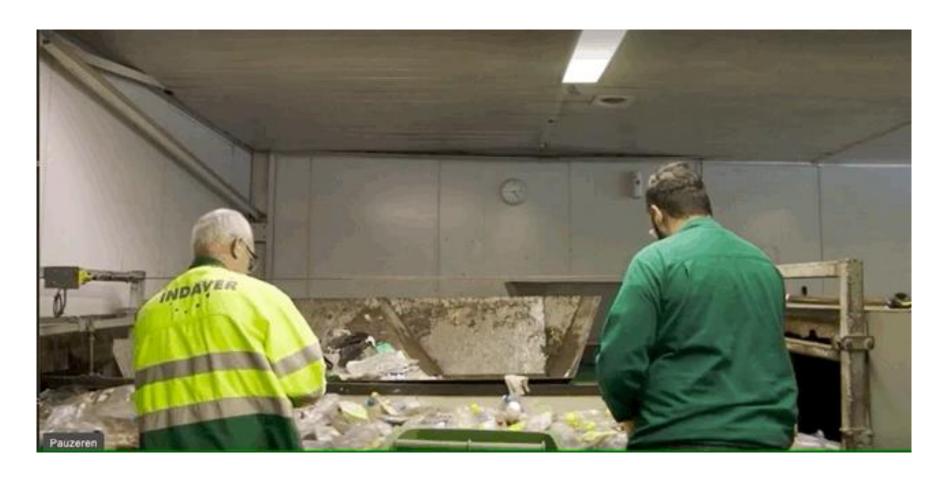


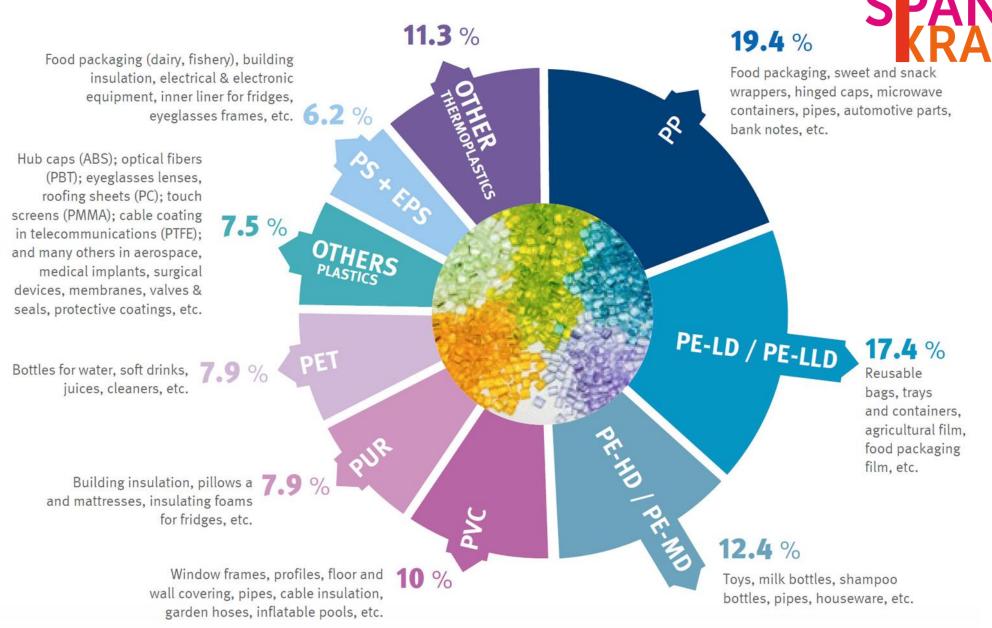
VANAF 1 APRIL 2021

















For your garden V Solutions for enterprises V Our story



From your residual plastics we create garden benches

Ecoo recycles your residual household plastics into new products that matter. This is how we give this raw material a sustainable place in the world again.





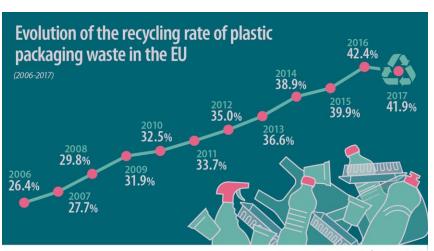
European Waste Market is set for a decade of change

The European Commission published

in its 'Strategy For Plastics In A Circular Economy' a

4x increase in sorting and recycling capacity for plastics

from 2015 to 2030





Plastics Recovery Facilities (PRFs) operate with little information

PRFs know very little about:

- Composition of mixed input waste stream
- Quality of sorting processes across the sorting line
- The recovery rate and purity of the separated output waste

This limits their Operational abilities, Commercial and Investment decision making and Auditing requirements

Today they rely on manual sampling to get this information, but this method is slow, inaccurate and costly



Let's use Al to gather insights

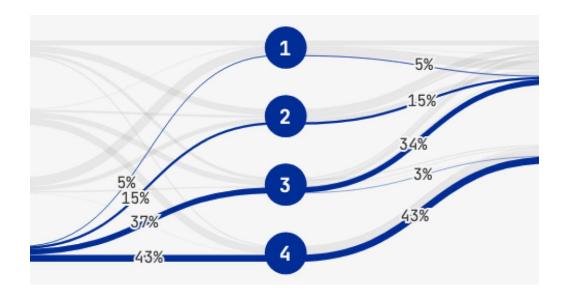


We track waste at object level throughout



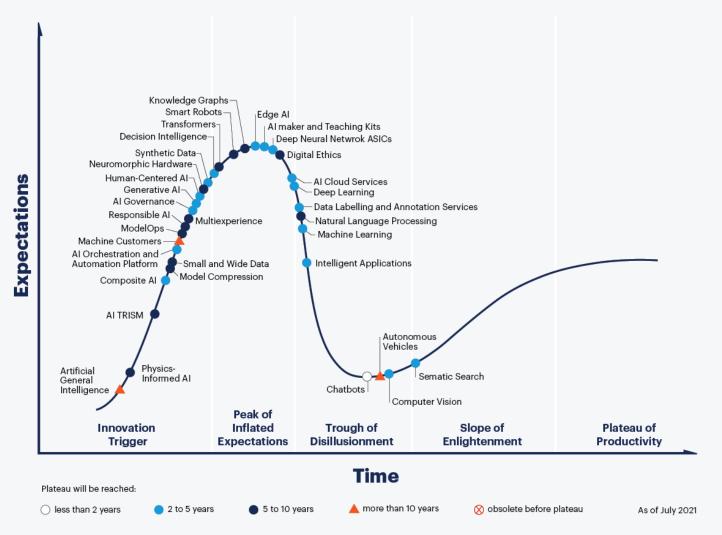


We deploy cameras across the line giving us a digital twin of the sorting process.



Hype Cycle for Artificial Intelligence, 2021





gartner.com

Gartner.

Multi-Object Tracking

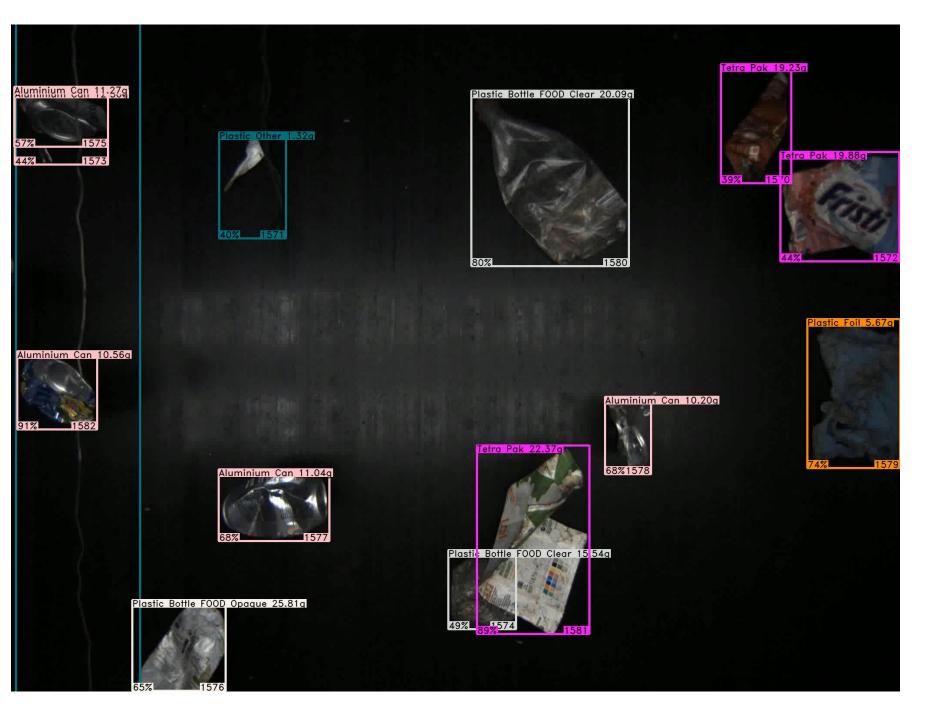


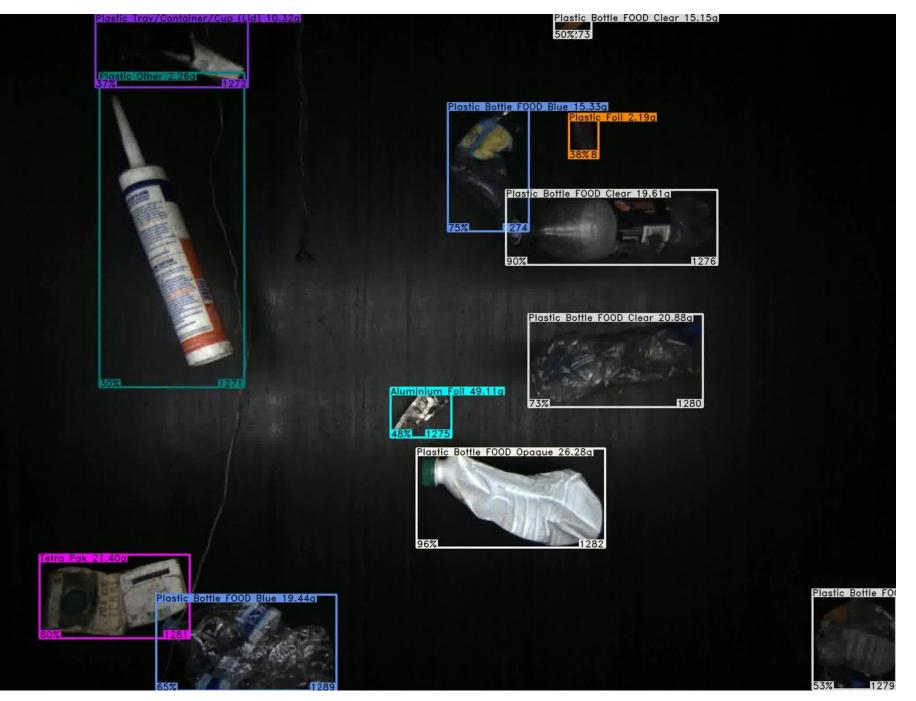


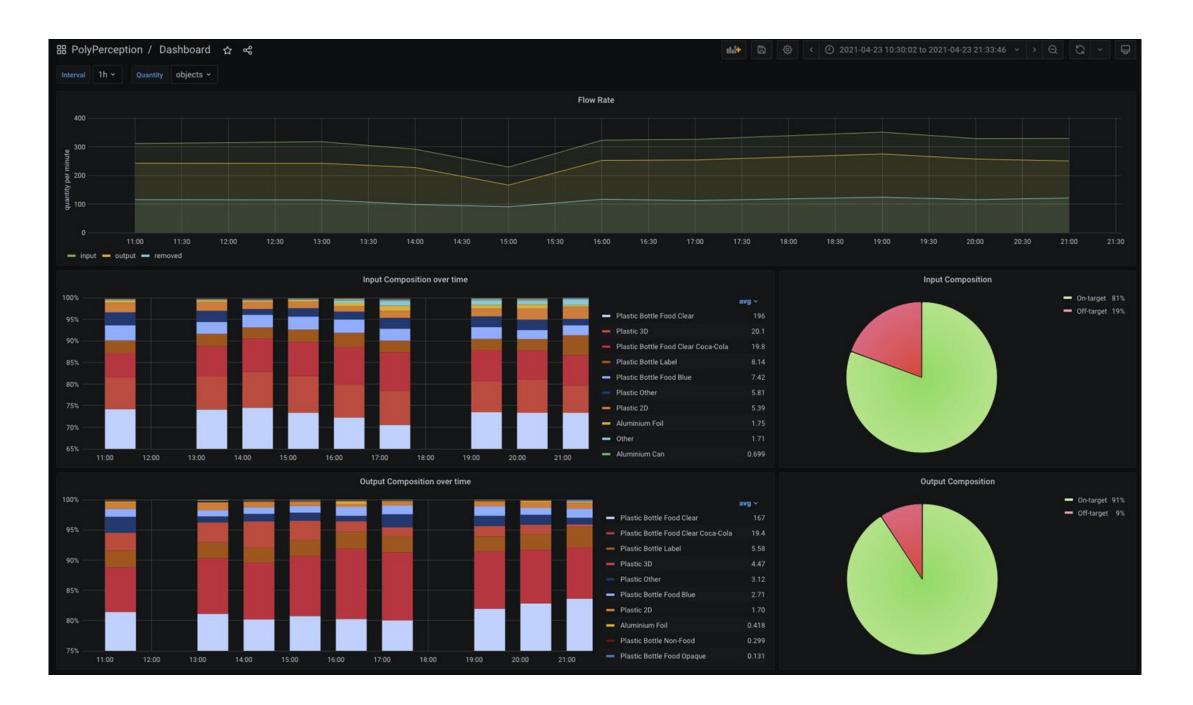


https://paperswithcode.com/sota/multi-object-tracking-on-motl6









Impact



- higher sorting & recycling rates through better operational performance
- enable transparency & traceability in supply chain through automated quality reporting & auditing
- better policies & legislation by providing data & insights to decision makers & producers





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