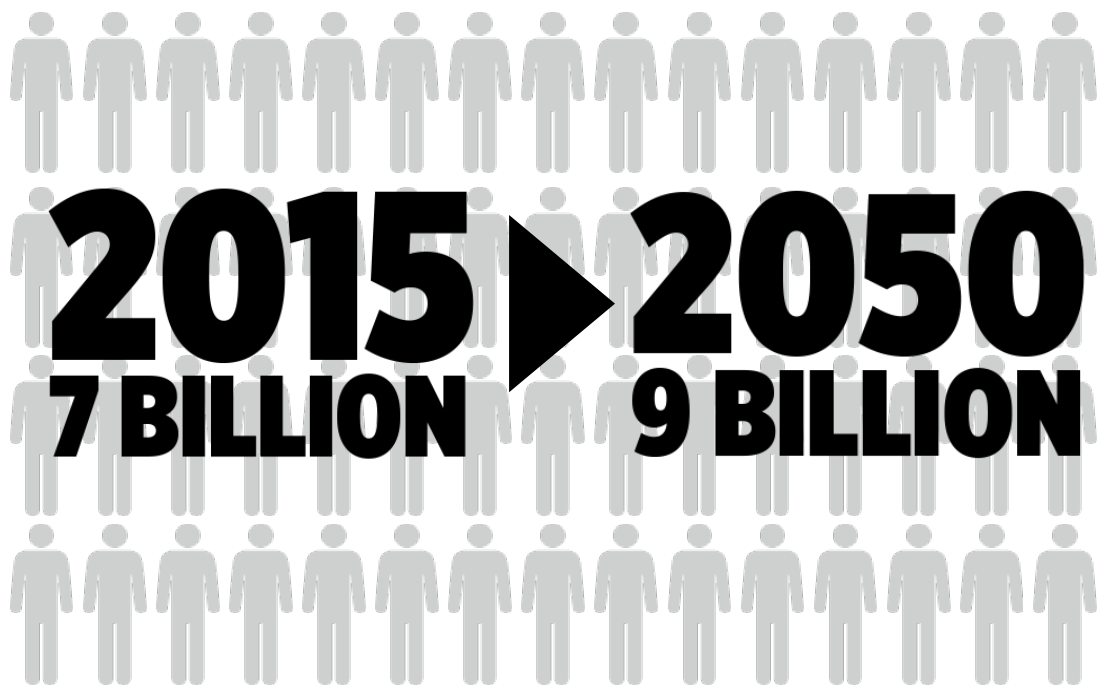




TOMRA – GLOBAL ENABLER OF THE CIRCULAR ECONOMY

LEADING THE RESOURCE REVOLUTION





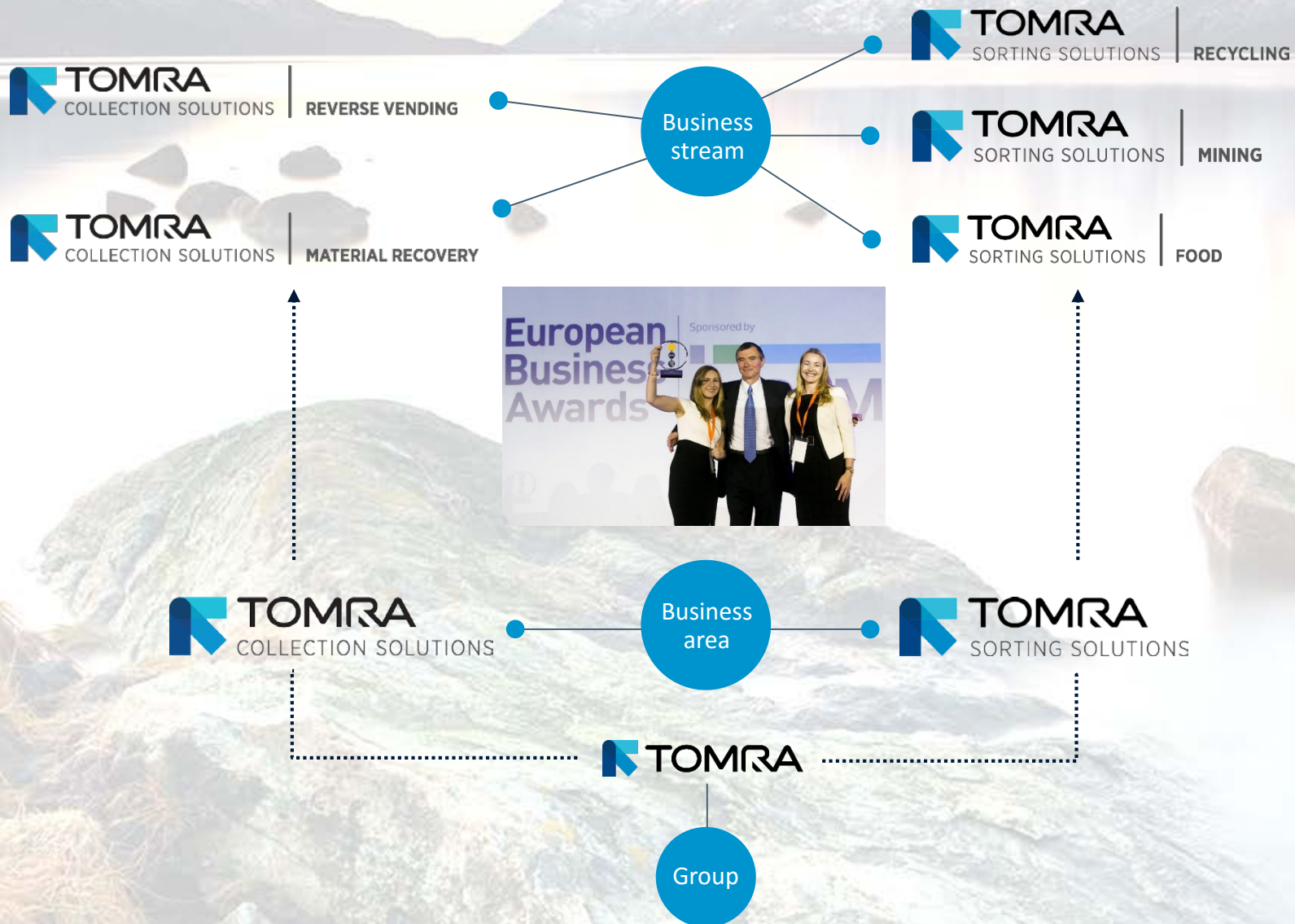
Society will have to provide living and working spaces for 80 million people every year for the next 35 years.



2015-2050
1,5
MILLION
PEOPLE
MOVING INTO CITIES
WEEKLY
FOR THE NEXT 35 YEARS

- Who is Tomra
- Tomra – Sintef
- Tomra (Sorting) and the circular Economy
- Tomra and NPE
- Closing remarks

Who is Tomra?

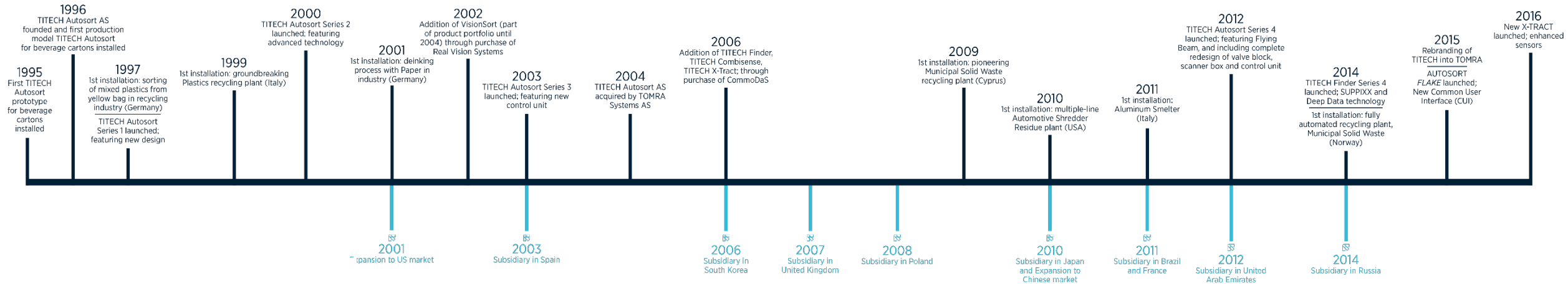


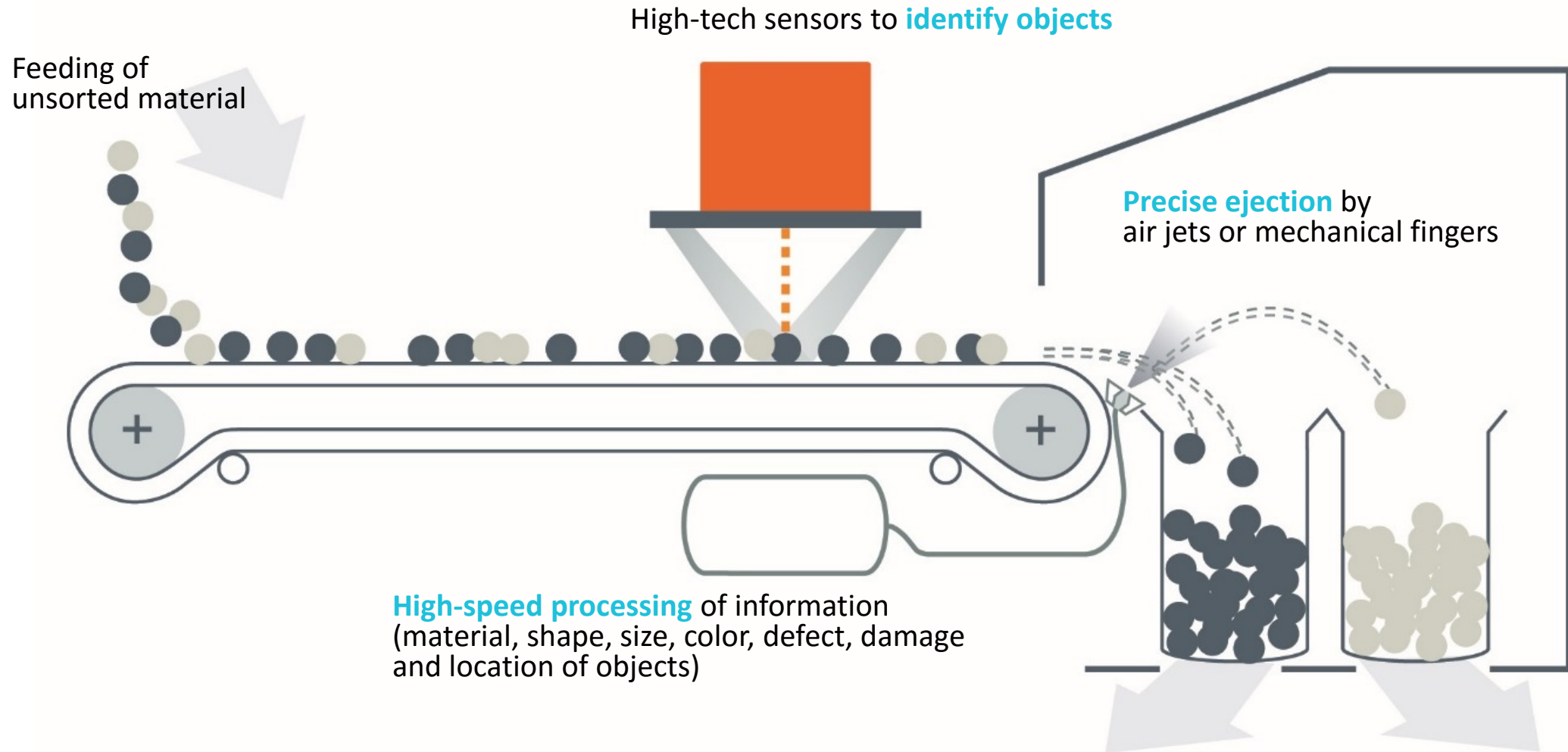
3600
EMPLOYEES
GLOBALLY



800
MILLION EUR
REVENUES 2017

20 YEARS SORTING







THE CIRCULAR ECONOMY
“EVERYTHING IS AN INPUT TO EVERYTHING ELSE”

Circular Economy is the name of the game

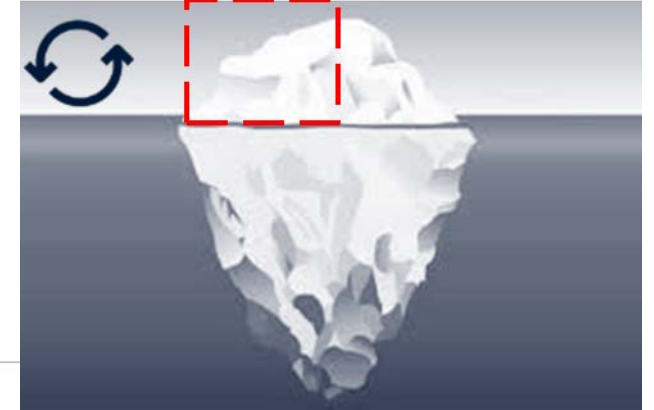


- Much more recycling will be needed
- Sorting and recycling from different sources
- But content will change
 - e.g simpler packaging desinged for re-use and recycling
- New players will emerge
 - e.g. virgin plastic producers part of Recycling

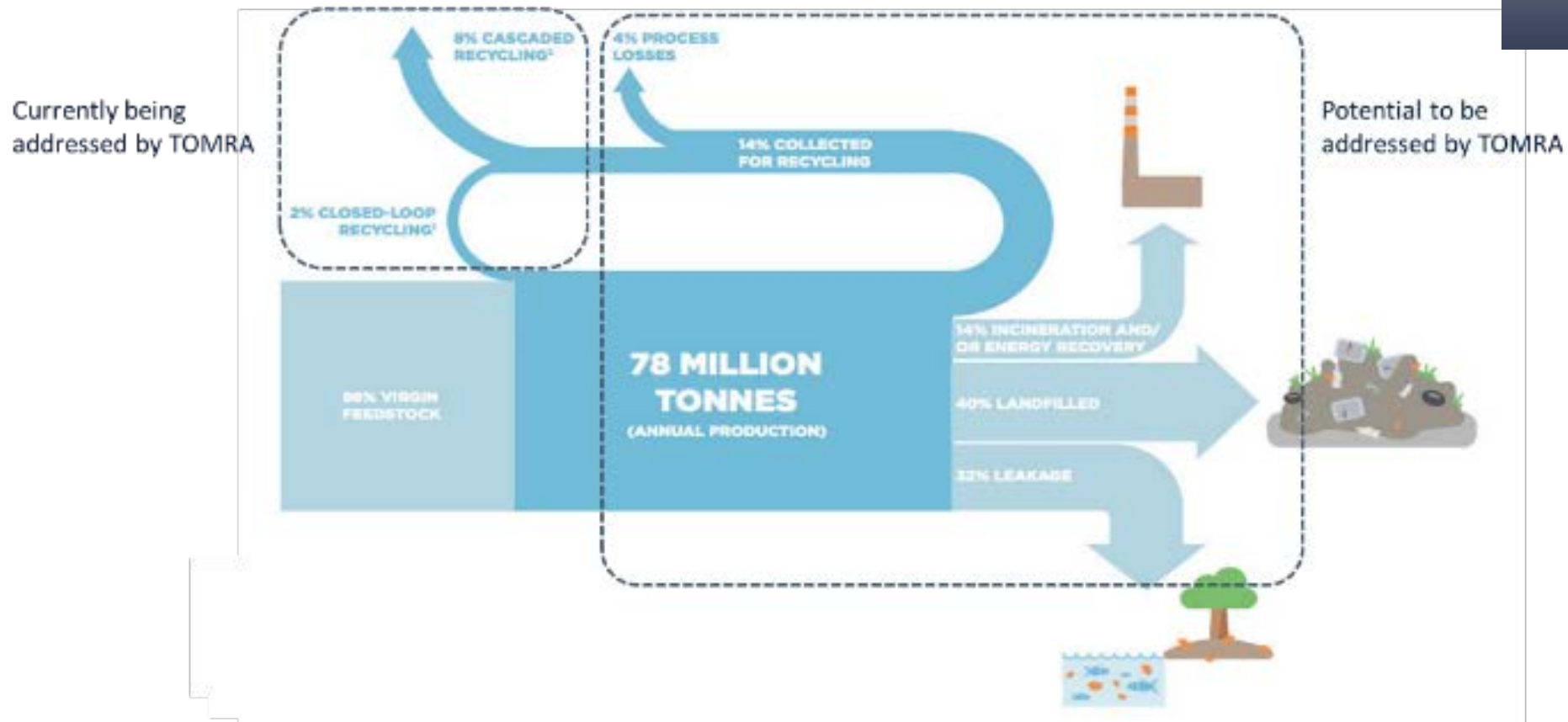
Since this is „new“, Thought Leaders are welcome

We are only touching a small fraction of waste today

Market Share: 55%



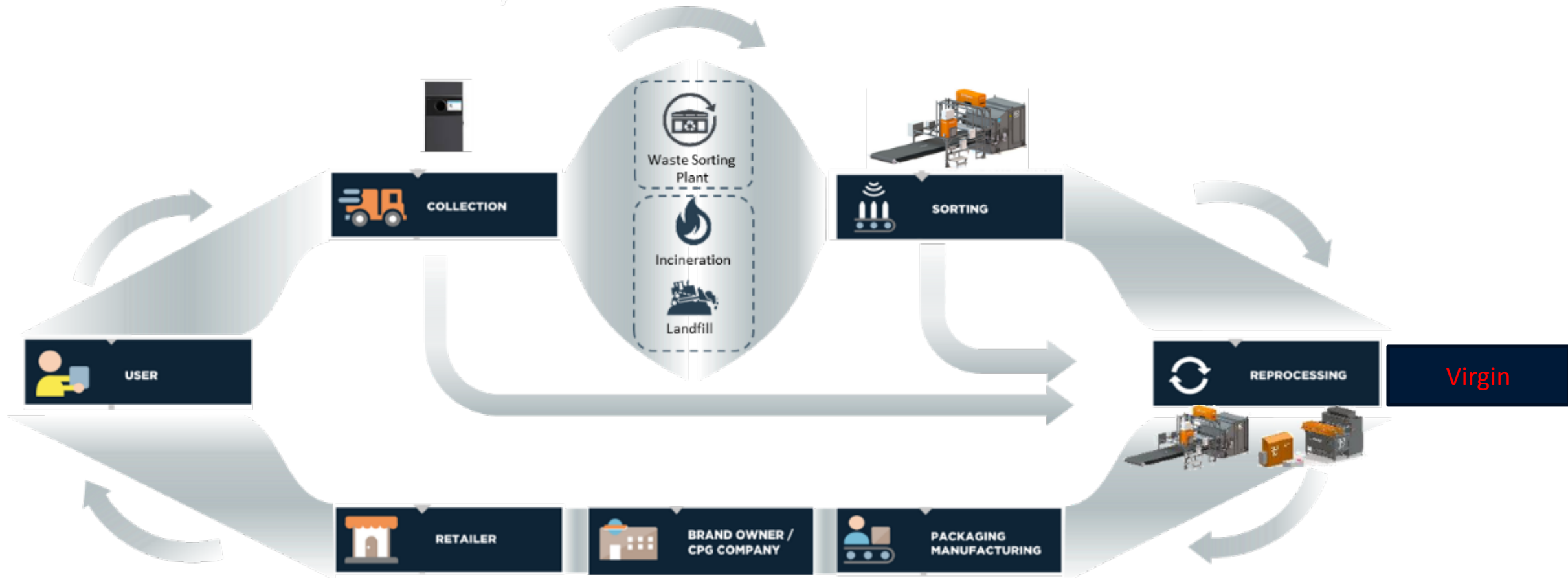
Global flows of plastic packaging materials in 2013



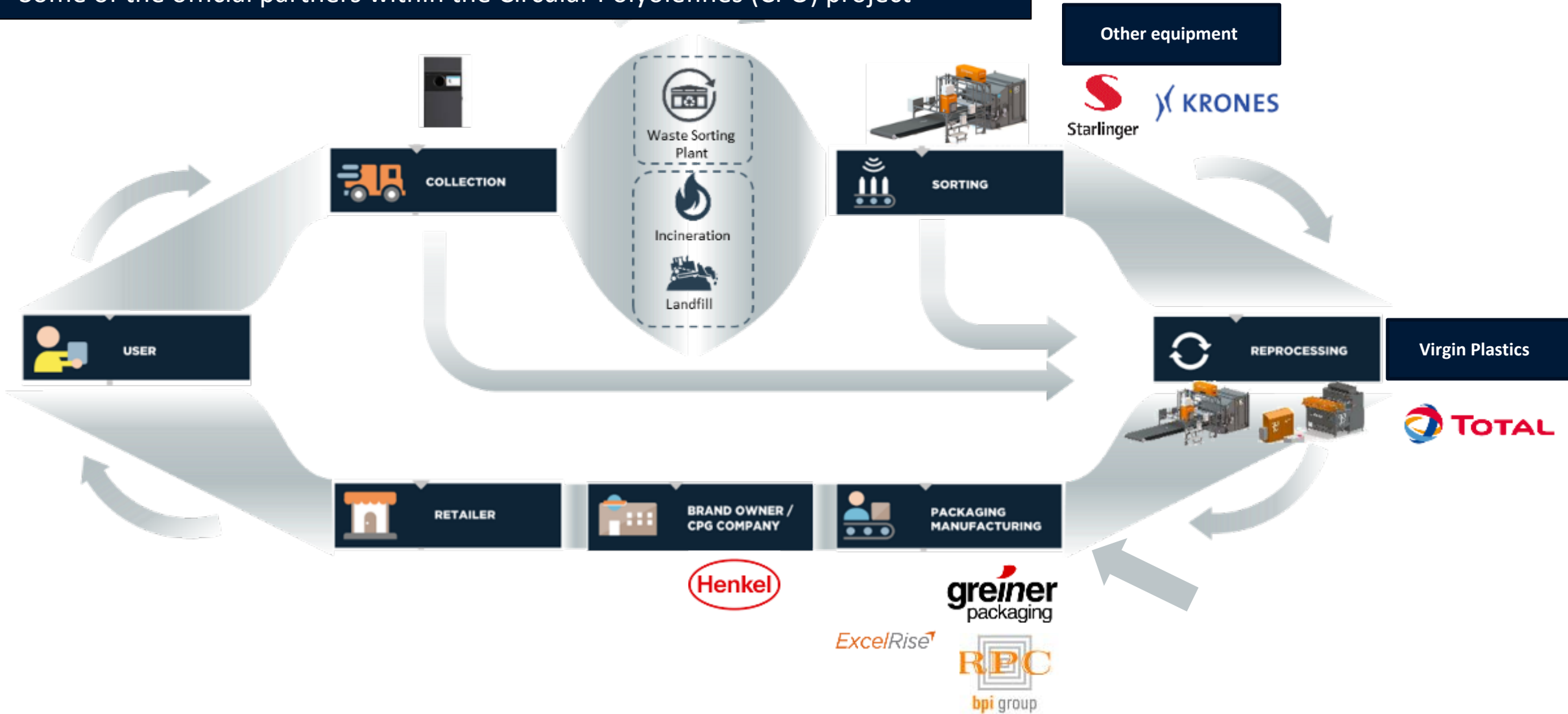
In order to drive a transformation all players of the industry need to sit together

(Plastics) Value Chain

New Plastic Economy



Some of the official partners within the Circular Polyolefines (CPO) project



We have provided samples to Retailers, Brand Owners, CPGs, Converters and Virgin plastic producers

We establish connections between supply (MSW plants, MRFs, Incinerators) and demand (plastic producer, recyclers, converters)

IS THE QUALITY ENOUGH?



ECODESIGN

REDESIGN

CIRCULAR PRODUCT DESIGN



Whatever it is called – we need to think differently!

Increasing commitment of Brand Owners and several have committed to use recycled content



at least 25% recycled plastics content in its packaging by 2025



20% recycled HDPE from post-consumer into the detergent bottles of one of their brands (Perwoll)



Double use of recycled resin in plastics packaging by 2020 to 52,000 tonnes.



50% of recycled content in its packaging by 2030



By 2020 utilize at least 20% post-consumer recycled content in its packaging for corporate brand manufactured products



WERNER & MERTZ

100% recycled plastics in at least 70 million bottles each year as of 2017, corresponding to 65% of its annual bottle volume, aiming to go up to 100% for all its consumer goods packaging by 2025;



100% recycled plastics in all bottles by 2020, and introduction of recycled content into its caps from 2018;



100% of plastic material used in home furnishing products will be renewable and/or recycled by 2020

- Change in the supply chain process of the producers
- We need
 - Consumer awareness
 - Profitable solutions
 - Legislation as basis
- Fundamental change in the way the co.'s approach the topic

Rethink. Reimagine. Resource.