

Challenges of Plastic packaging

Image: Eco-Business

AGENDA



- Plastic Opportunities
- Plastic Sustainability Challenges
- EU Legislative actions
- Education, Technology & Innovative Solutions

Bell Holding Packaging Group at a glance

Our strategy - Creating Value through Operational Excellence

This means we are continuously investing in our people and state of the art technical infrastructure.

Delivering peace of mind for our Customers all over the world

BUSINESS

LEADING
PRODUCER OF
PLASTIC AND
METAL
PACKAGING



TURNOVER

€100_{plus}
Million PA



GEOGRAPHY

11 MANUFACTURING
UNITS ACROSS
TURKEY, BULGARIA
AND IRAN

EXPORTING TO
40 COUNTRIES ON
5 CONTINENTS



PERSONNEL

913



VOLUME

20
THOUSAND
TON
PLASTIC

6
THOUSAND
TON
ALUMINIUM

BRANDS

PERFEKTÜP
- ALUMINIUM AND
LAMINATE TUBES
- AEROSOL CANS

SENAPA STAMPA
- BOTTLES

INTERKAP
- CAPS, CLOSURES
& JARS

TULIPACK
- IML TUBS & LIDS

IPS
- PRINTED LABELS,
LAMINATE AND
SHRINK SLEEVES



INTERKAP



Creating Value through Operational

Plastic Opportunities



NASA photo ID S65-30431

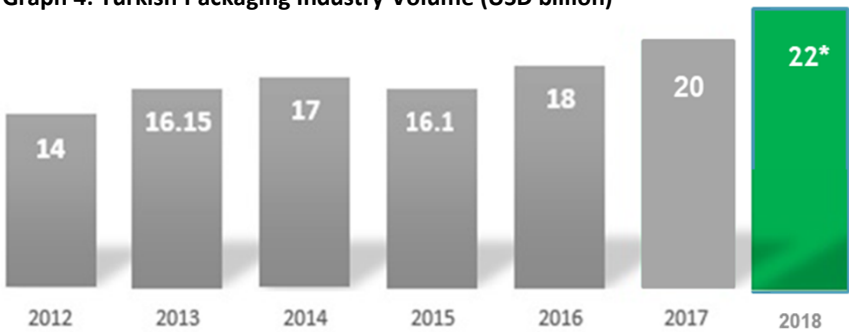
Global Plastic Packaging Industry
has been enabling social and
technology development throughout
the last century



Global Packaging Growth view – Smither Pira 2017

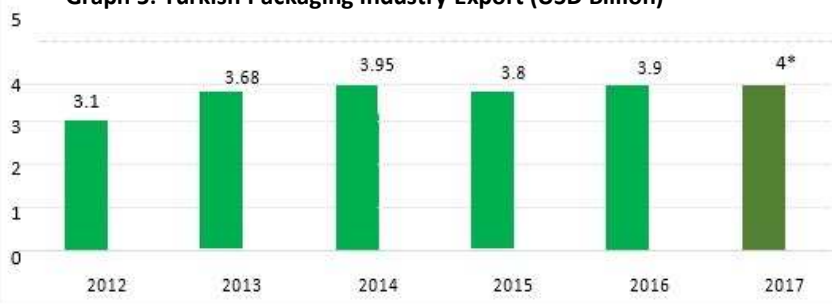
The Future of Global Packaging to 2022, shows that
packaging demand will grow steadily at 2.9% to
reach \$980 billion

Graph 4: Turkish Packaging Industry Volume (USD billion)



*Estimated

Graph 5: Turkish Packaging Industry Export (USD Billion)



*Estimated

Graphs content care of ASD

Plastic Sustainability Challenges – Consumers and Customers



#CleanSeas



#CleanSeas Break-Up PSA: "It's not me, it's you."

92,989 views



1.2K



14



SHARE



SAVE



UN Environment

Published on Feb 11, 2018

SUBSCRIBE 19K



Plastic Sustainability Challenges – Consumers and Customers

Environmental evidence & Consumer demand increasing

Globally, 5 to 13 million ton of plastics — 1.5 to 4 % of global plastics production — end up in the oceans every year. UNEP estimates that damage to marine environments is at least USD 8 billion per year globally.

Microplastics are being generated through the breakdown of this waste creating issues for wildlife and potentially Human Health

‘Turn the tide on plastic’ urges UN, as microplastics in the seas now outnumber stars in our galaxy



Cyril Villemain/UNEP | Local people from Watamu, Kenya, work with Local Ocean Conservation to pick up plastic on the beach.

Different types of microplastics found in the Francisco Bay

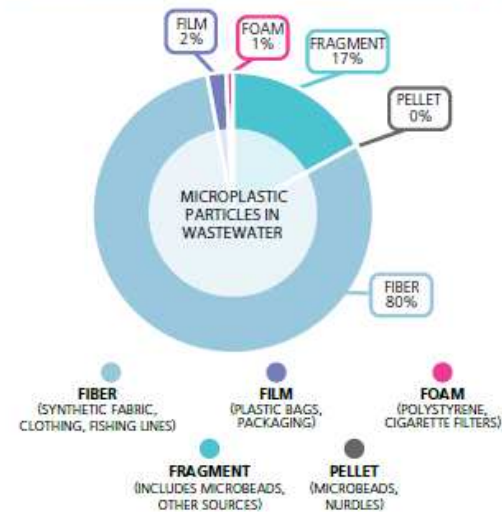


Photo Credit: Sherri A. Mason/State University of New York at Fredonia
Source: San Francisco Estuary Institute (2015)⁴⁰

Plastic Sustainability Challenges – Consumers and Customers



Nestlé

Our vision is that none of our packaging, including plastics, ends up in landfill or as litter. Our ambition is that 100% of our packaging is recyclable or reusable by 2025.



Unilever

- Ensure all of its plastic packaging is designed to be reusable, recyclable or compostable by 2025
- Renew its membership of the Ellen MacArthur Foundation for another three years and endorse and support their New Plastics Economy initiative. As part of this, it will publish the full “palette” of plastics materials used in its packaging by 2020 to help create a plastics protocol for the industry
- Invest in proving, and then sharing with the industry, a technical solution to recycle multi-layered sachets, particularly for coastal areas which are most at risk of plastics leaking into the ocean



Colgate Palmolive -

- Colgate-Palmolive has committed to 100% recyclability of plastics in packaging across all its product categories by 2025.

EU Legislative actions

Own Resources of the European Union - Regulation implementation in 2021

- Three new Own Resources, based on the Common Consolidated Corporate Tax Base, on the European Union Emissions Trading System, and on Plastic packaging waste that is not recycled.
- The uniform call rate applied to the weight of plastic packaging waste that is not recycled shall be EUR 0.80 per kilogram.

European Commission proposed on May 2018 new EU-wide rules to target the 10 single-use plastic products most often found on Europe's beaches and seas, as well as lost and abandoned fishing gear. Together these constitute 70% of all marine litter items.

2 cuttlery



4 straws



6 single-use drinks containers



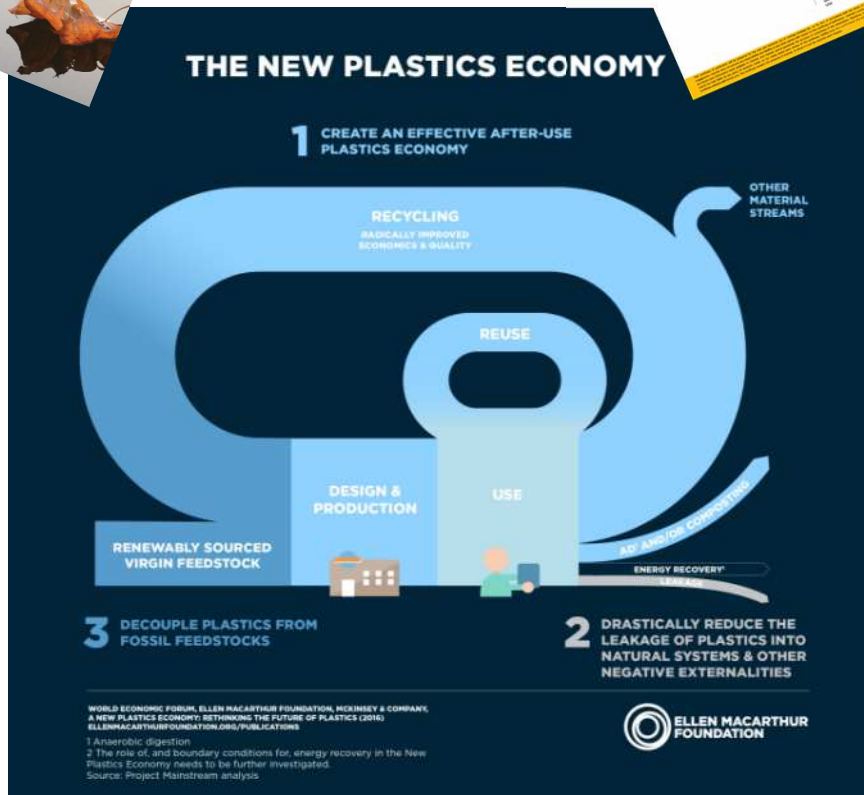
The objective will be to ensure that, by 2030, all plastics packaging placed on the EU market is reusable or easily recycled. In this context, the Commission will also look into ways of maximising the impact of new rules on Extended Producers Responsibility (EPR), and support the development of economic incentives to reward the most sustainable design choices.

2025 Target 50% Plastic will be recycled.

Education, Technology & Innovative Solutions

- Mindset change into a new Plastic economy

Not just accreditation
GRI Reporting
Ecovadis scores
Zero waste to landfill



- EU Set Hard and Fast targets
- No later than 31 December 2025 a minimum of 65 % by weight of all packaging waste will be recycled;
- No later than 31 December 2025 the following minimum targets by weight for recycling will be met regarding the following specific materials contained in packaging waste:

- (i) 50 % of plastic;
- (ii) 25 % of wood;
- (iii) 70 % of ferrous metals;
- (iv) 50 % of aluminium;
- (v) 70 % of glass;
- (vi) 75 % of paper and cardboard;

Get Proactive

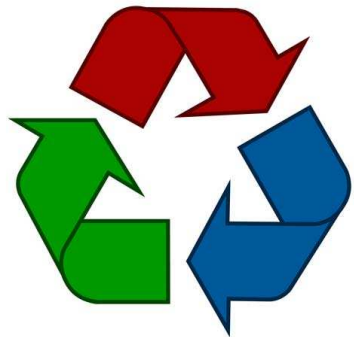
- Commercially incentivize the Plastic Recycling economy
- Seek technology solutions to enable Recycling and eliminate difficult to recycle Plastic technologies

Education, Technology & Innovative Solutions

- Continue incremental Process improvements

Recycling Trilogy

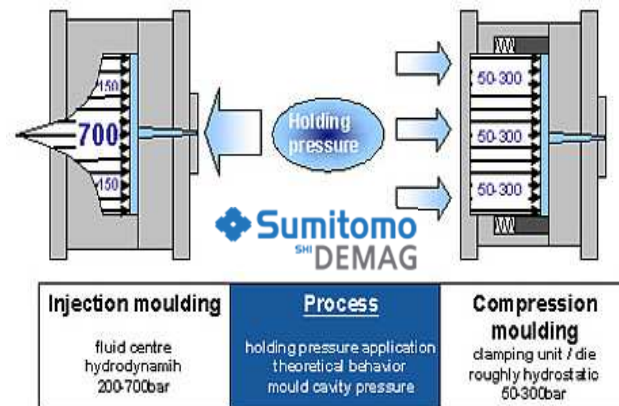
Reduce Reuse Recycle



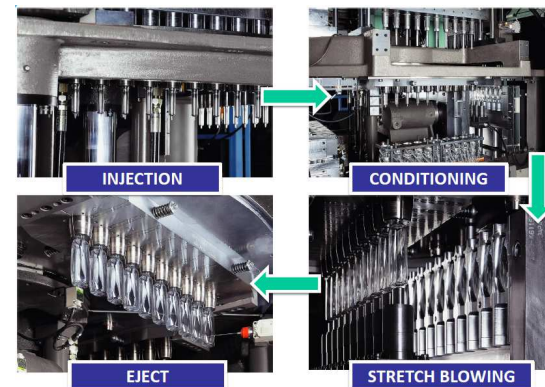
Powered by Recycling.com



- MuCell Technology has potential to save 20% Plastic



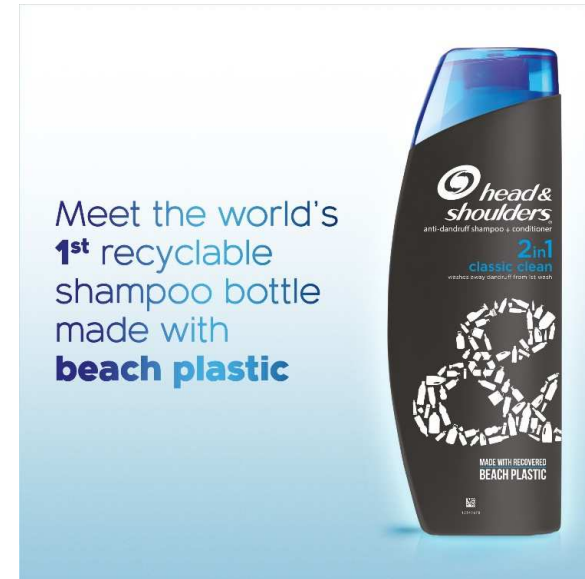
- Injection compression saves up to 25% of material and reduces the needed clamping force



1 step PET for less 50 mil bottles annually can Improve Consumer Experience, increase Design Flexibility and save 15% material usage

Commercial, Technology & Innovative challenges

- delight consumer, change habits and awareness



New
formats less
land fill

100% Recycle Plastic



*Teşekkür
Ederim*