



## PLASTICS AND A CIRCULAR ECONOMY

# THE CHALLENGE!

- **Urbanization** – compounded waste generation; pre-packaged food & goods; growing wealth
- **Digitalization** – e-commerce driving increased consumption & packaging
- **Legislation** – inappropriate systems and frameworks
- **Economic drivers** – not in harmony with the environment
- **Education** – awareness and misconceptions



# EXISTING STATE OF THE ART COLLECTION SOLUTIONS



## OPPORTUNITIES

Expansion of CDS/DRS (Scotland, UK, EU, US, Asia)

34-92%

Increase in recycling rates  
**LITHUANIA**  
within 2 years



NSW

1 billion containers collected 12 months  
500 Collection point

## FACTS & RESULTS

- **40 billion units** collect per year
- **>90% collection** in a well run system
- Significant litter reduction
- **82,000 RVM's** in **60+** markets
- CO2 reduction **25M tonnes** per year

## REQUIREMENTS

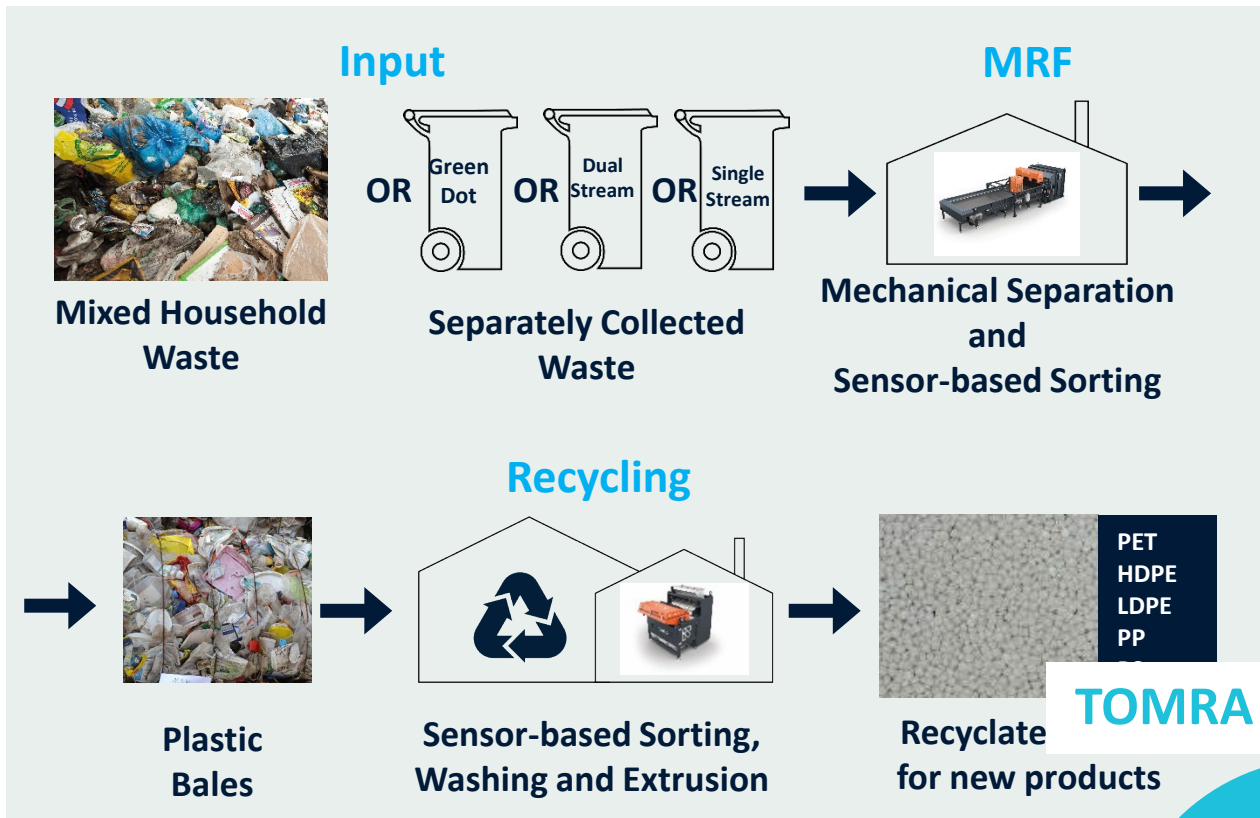
- Legislative framework
- Deposit
- Education/Awareness

## TOMRA VISION 2030

500Bn

UBCs handled by TOMRA equipment and collected into a clean loop

# EXISTING STATE OF THE ART SORTING SOLUTIONS FOR HOUSEHOLD WASTE



## FACTS

- Plastic takes >1000yr to degraded on a landfill
- Only 1/8 of plastic globally is collected for recycling
- 40% recycling rates for plastic packaging in EU
- Mechanical closed loop recycling can save 95% of GHG emissions compared to virgin plastics

## OPPORTUNITIES

- Establish waste infrastructure globally
- Sorting of all mixed waste (no plastic to landfill or incineration)

## REQUIREMENTS

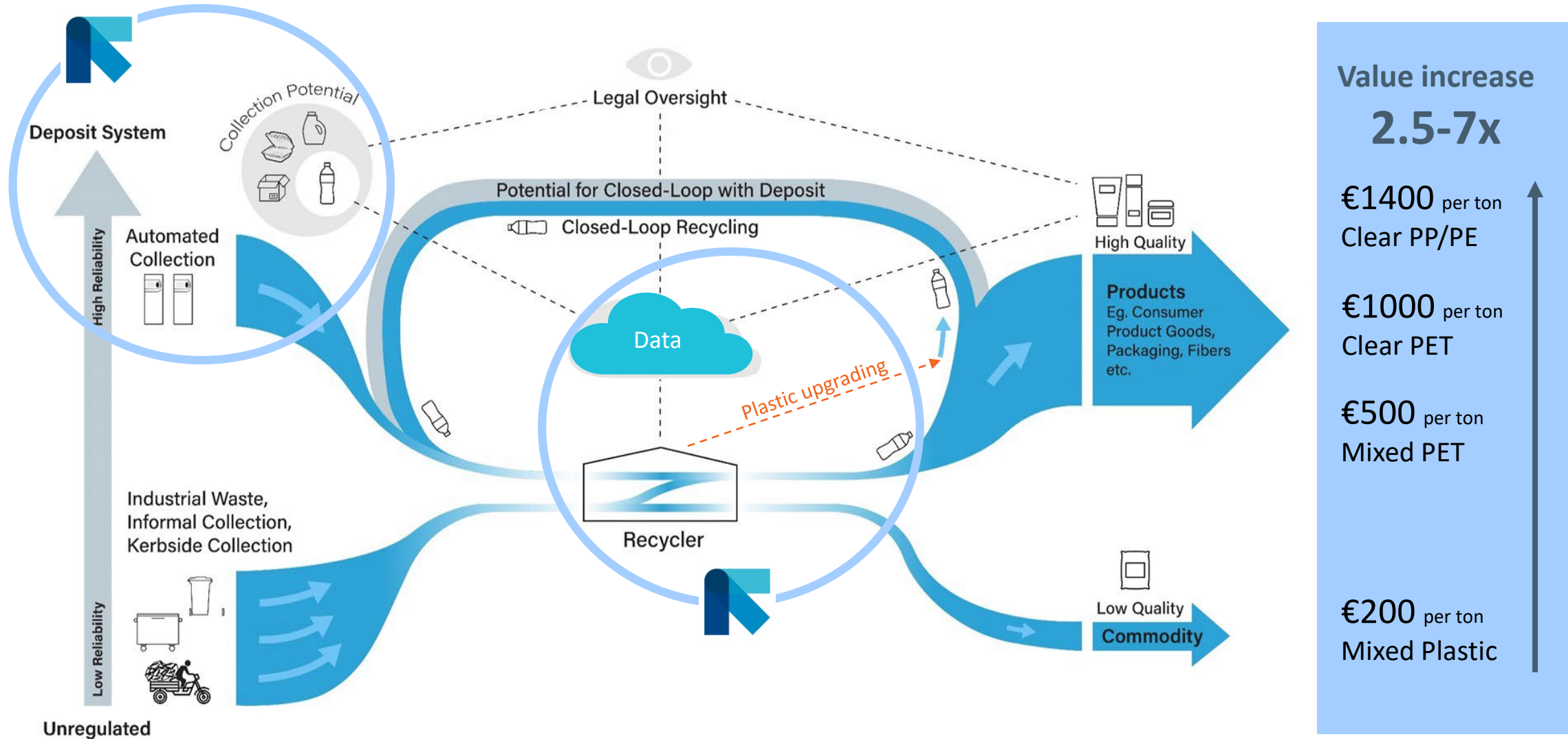
- Establish legislation and EPR schemes

**TOMRA VISION 2030** Investment into circular Economy market commitments

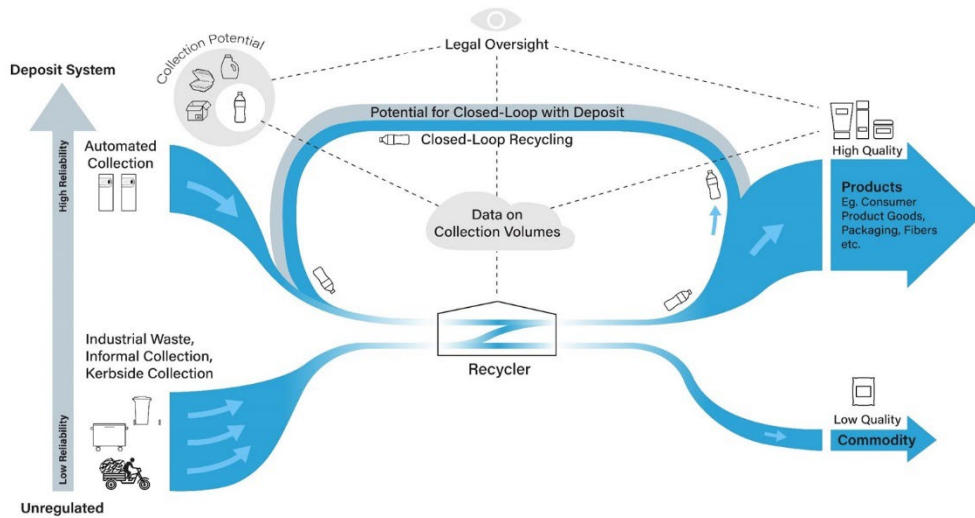
14-40%

Increase recycling rates by 26%

# PATH FORWARD – THE OPPORTUNITY



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## WHAT TO DO

- Create a **closed loop circular economy** system
- Link functional elements in **the value chain**, seek optimisation
- Create **digital enabler**

## REQUIREMENTS

- Legislation framework
- Implement sustainable packaging policies
- Invest in material upgrading
- Encourage consumers: reduce, reuse, recycle, redeem

## RESULT

- ✓ Re-use recycled resources
- ✓ Create green jobs
- ✓ Protect our planet

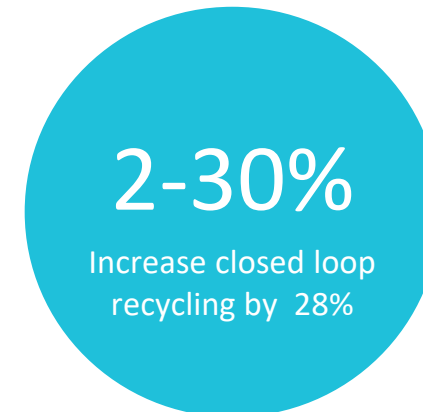
## OPPORTUNITY

Unleash **\$55-85 BN per year**

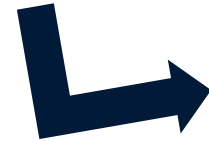
### PLASTIC



## TOMRA VISION 2030



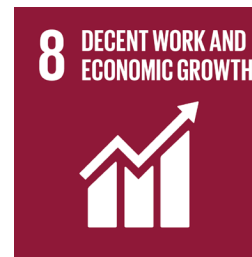
# MAKING MEANINGFUL CONTRIBUTION ALONG THE WAY



## Thematic Support: Future of Food & Circular Economy



## The TOMRA Operations



## Tangible actions to demonstrate our purpose of business

