

# Pryme - Converting plastic waste on an industrial scale



**Location**Port of Rotterdam



CAPEX EUR 35 million



Intake volume 40KT p/a mixed plastics



Oil production 30KT p/a



**Scale**Technology validation on an industrial scale

Entrepeneurial start 2008 - 2020 IPO - Oslo O1 2021 Start construction Pryme One O4 2021 First oil Q2 2023

Rollout



# Pryme's competitive advantages

## **Technology & Cooperation**



#### Strategic cooperation with Shell

- · Joint development of plastic circularity solutions
- Impact validation of Pryme's technological choices
- Non-exclusive



#### Pryme's Research & Development:

- Feedstock optimization
- Product quality management
- Energy efficiency & mass balance optimization

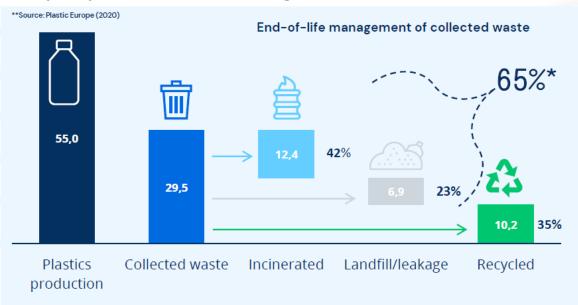






#### Abundance of plastics. No silver bullet to meet EU Green Deal ambitions.

European plastics end-of-life management in 2020 (Mt)\*\*



\* 19 million tons per year of plastic waste unrecycled in the EU

#### Advanced recycling requires



Scalability
of technology

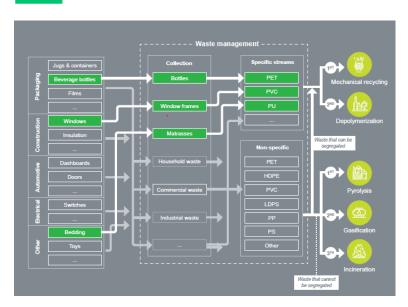


Reliability
in waste offtake



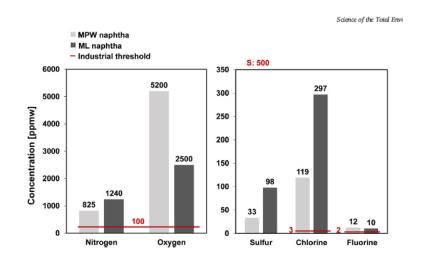
Versatility
in waste quality

### From a macro level...



Pathway to circularity for various waste streams The Plastic Balancing act, Roland Berger, 2022

## ...more complex in practice



Kusenberg et al., Science of the Total Environment 838 (2022)

Pryme's strategy is to produce pyrolysis oils from less sorted plastic waste streams

### 5 Key success factors to implement broad feedstock strategy

- 1. Strong R&D focus
- 2. Value chain collaboration
  - Waste Companies
  - (Pet)Chem companies
  - Knowledge institutions
- 3. Scale
- 4. Regulatory framework
- 5. Environmental analysis





All technologies required to solve the plastic recycling problem and combat global warming.

