

CHEMISTRY THAT MATTERS™



SABIC TRUCIRCLE™ PROGRAMMA

INSPIRATIETOUR GROENE GRONDSTOFFEN 12 DECEMBER 2023

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SABIC'S CIRCULAR COMMITMENT *

INCREASING DEMAND FOR RECYCLED PLASTICS

The global market for recycled plastic is anticipated to increase by 56% over the next five years*



COMMITTING TO CIRCULAR PLASTICS

To meet these growing demands, we have committed to process one million metric tons of TRUCIRCLE™ products annually by the year 2030



* Announced at World Economic Forum – Davos – January 2023

WORLD WITH MANY CHALLENGES

CLIMATE CHANGE.

GREENER TRANSPORT. FRESHER FOOD.

BETTER HEALTH- & PERSONAL-CARE. CLEANER WATER.

CIRCULAR ECONOMY

PLASTIC WASTE RECYCLING. RENEWABLE FEEDSTOCK.

WASTE AND OPPORTUNITY

PUBLIC OPINION



NEGATIVE ATTENTION TO PLASTICS IN MEDIA. WASTE ISSUE OVERSHADOWS ADVANTAGES OF PLASTIC PRODUCTS

EXISTING BENEFITS

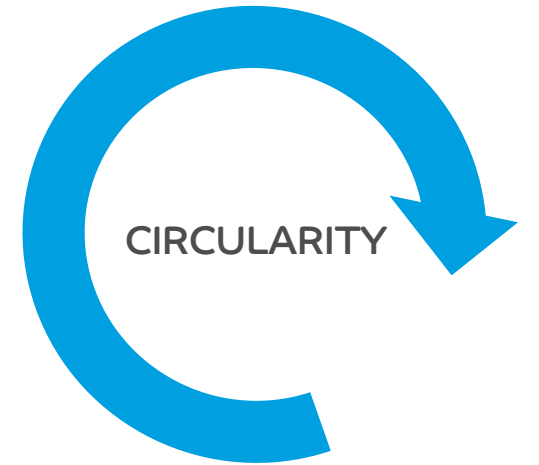


BENEFITS INCLUDING LIGHTWEIGHT, STIFFNESS, IMPACT, DURABILITY, COST, SAFETY, APPEARANCE, ETC.

MEGA DRIVERS CIRCULARITY & DECARBONISATION

KEEPING THE CARBON IN THE LOOP

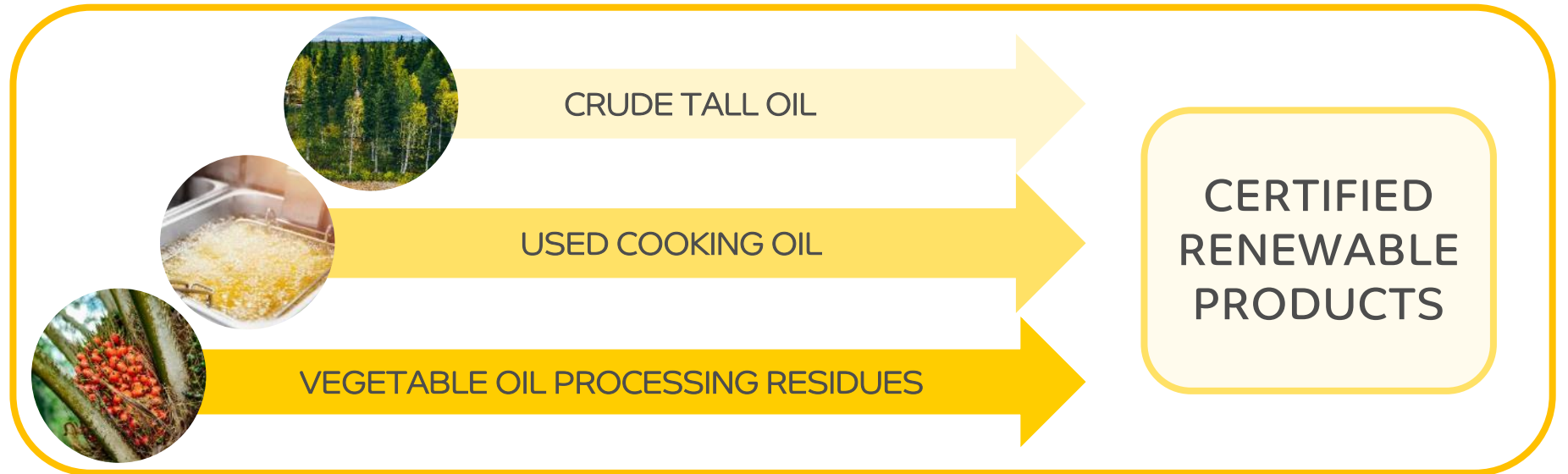
- Decreasing our dependence on finite resources
- Closing material loops with recycling
- Reducing plastics pollution
- Optimizing reusability
- Bringing down the carbon emissions from incineration at End of Life of plastics



TRANSITION TO A LOW-CARBON (CIRCULAR) ECONOMY

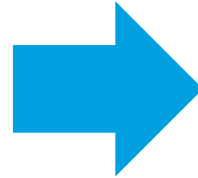
- Achieving carbon neutrality across the whole life cycle
- Reducing greenhouse gas emissions

THINK OF ...



THINK OF ...

PREVENTING PLASTIC PACKAGING



FROM BECOMING WASTE



THE STARTING POINT FOR SABIC

NO COMPROMISE ON PACKAGING SAFETY



**SUPPORTS COMPLIANCE
WITH REGULATIONS***



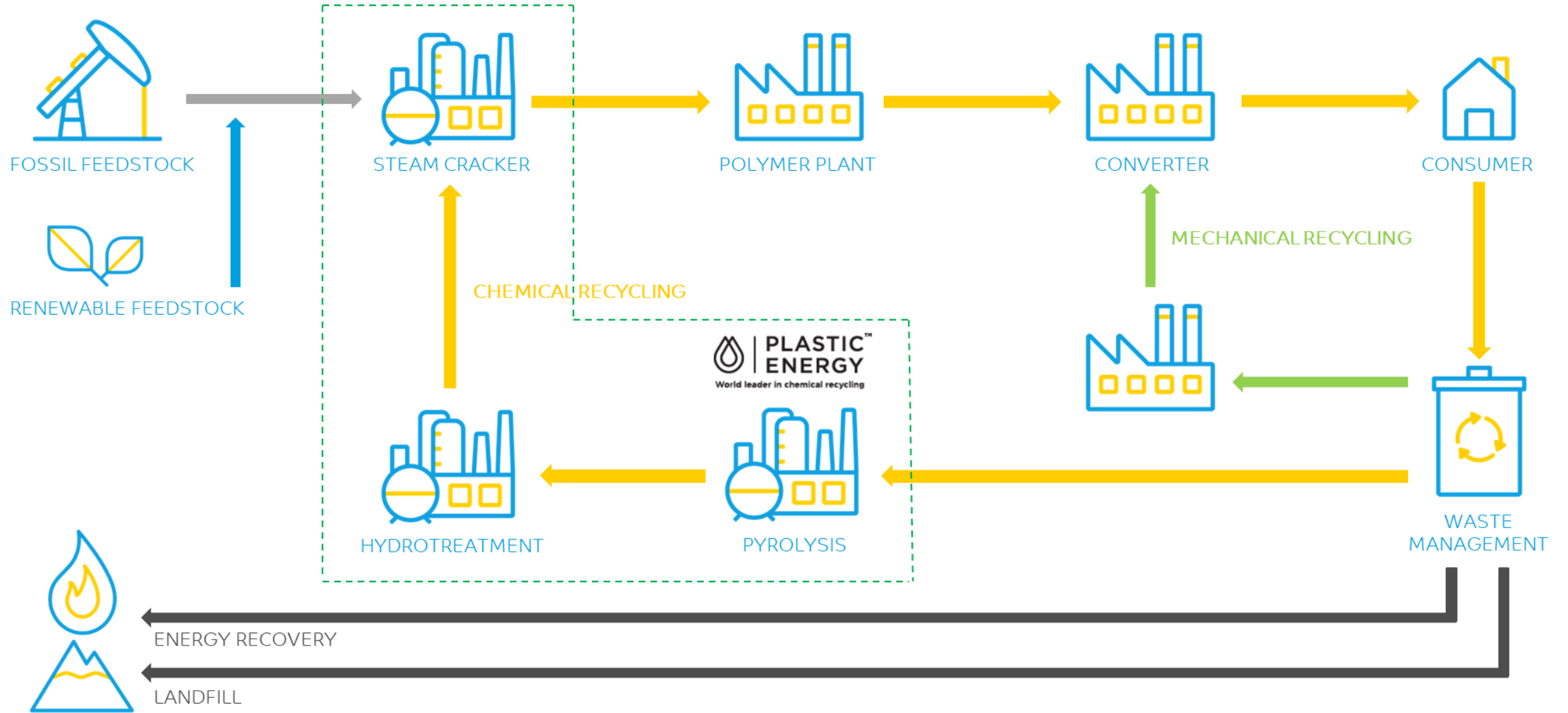
**HELPS LIMIT THE POTENTIAL
MIGRATION OF UNKNOWN
SUBSTANCES**



**OFFERS ORGANOLEPTIC
PERFORMANCE**



ADVANCED RECYCLING VAN POLYOLEFINEN TOT POLYOLEFINEN



PIONEERING PROJECT SABIC IN GELEEN

ADVANCED RECYCLING UNIT



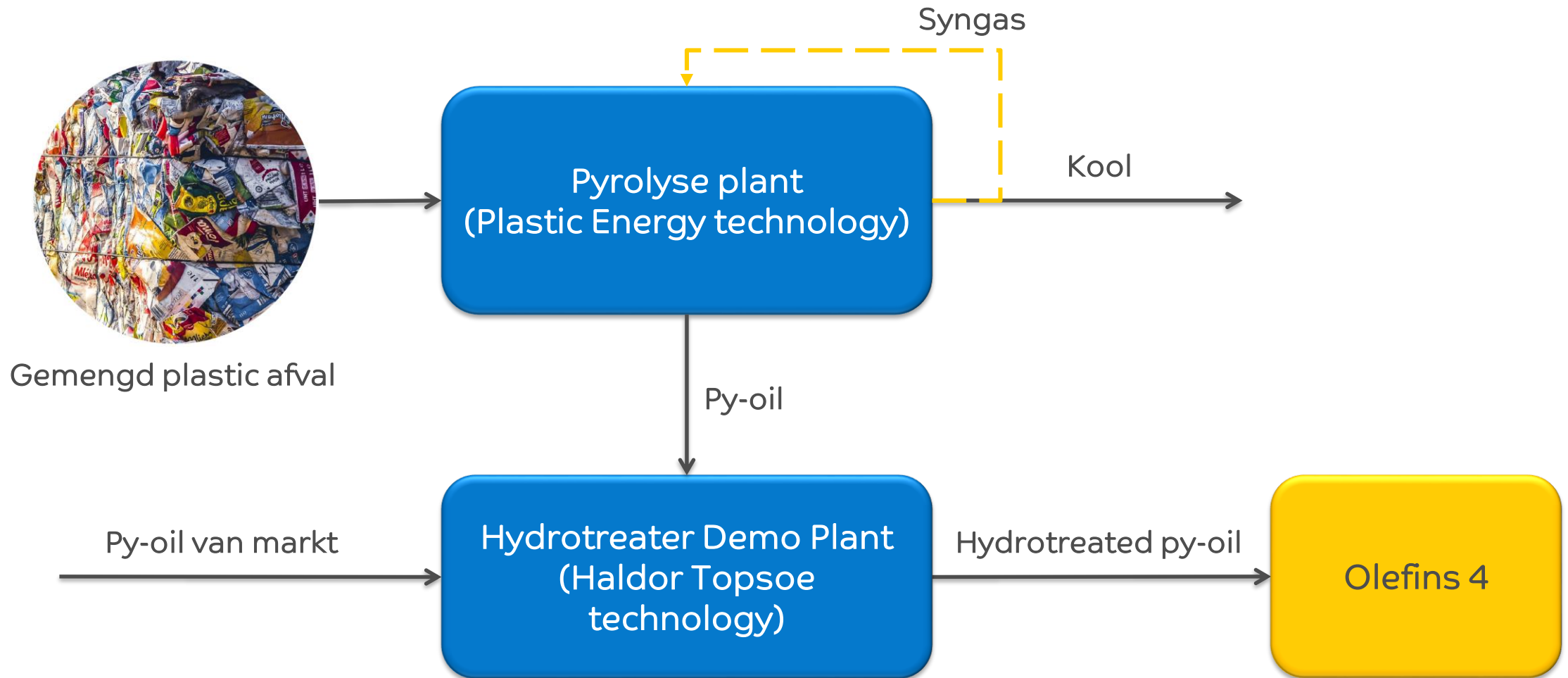
HYDROTREATMENT PLANT



PYROLYSIS PLANT



OMZETTEN MIXED PLASTIC WASTE NAAR KRAKER FEEDSTOCK



PYROLYSE PLANT



- **Doel:**
Omzetten van mixed plastic waste naar ruwe pyrolyse olie.
- Technologie & design van Plastic Energy
- Bewezen commerciële technologie en meerjarige operationele ervaring (2 plants Plastic Energy in Spanje).
- Constructie in eindfase.

SPEAR B.V.

- zelfstandig bedrijf (50/50 Joint Venture)



HYDROTREATER PLANT



- Eerste plant van zijn soort.
- Licentie en design van Topsoe.
- Doel:
verwijderen van hoge concentratie
verontreinigingen uit pyrolyse olie.

ADVANCED RECYCLING



- Hydrotreater plant gekoppeld aan Olefins 4 naftakraker in Geleen.
- Beide plants vormen eerste stap in productie van circulaire kraker feedstock uit mixed plastic waste.
- Olefins 4 vormt het hart van verdere verduurzaming van SABIC in Geleen met o.a. :
 - Electrificatie
 - Large scale Hydrotreater
 - Renewable feedstocks
 - ...



THANK YOU

