

Clariter

April 2025

The world needs



**To solve the
plastic pandemic**



**To reduce crude
dependency**

Demand for sustainable products is growing

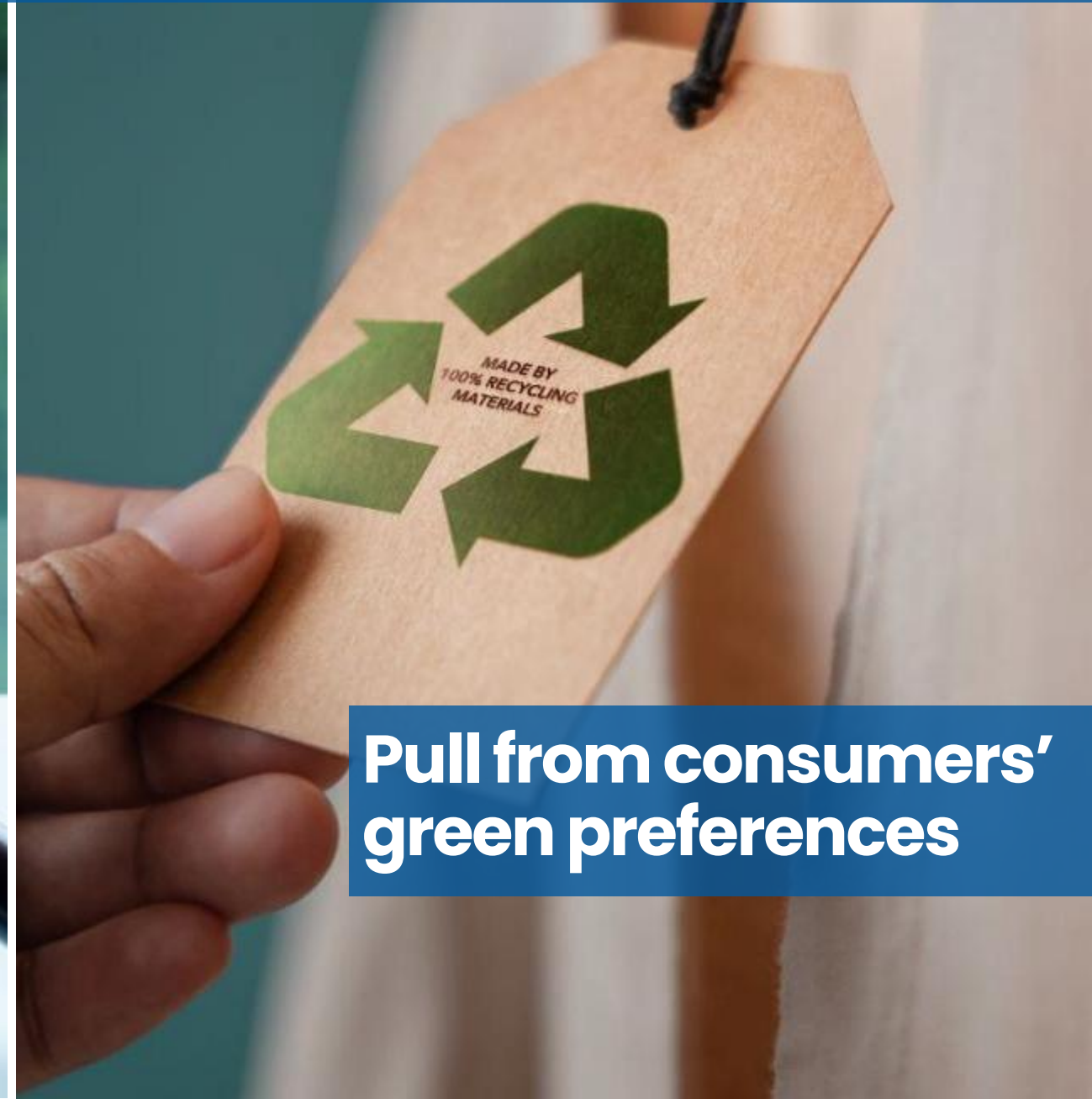
Push from legislation
and regulations



European
Green Deal



Pull from consumers'
green preferences



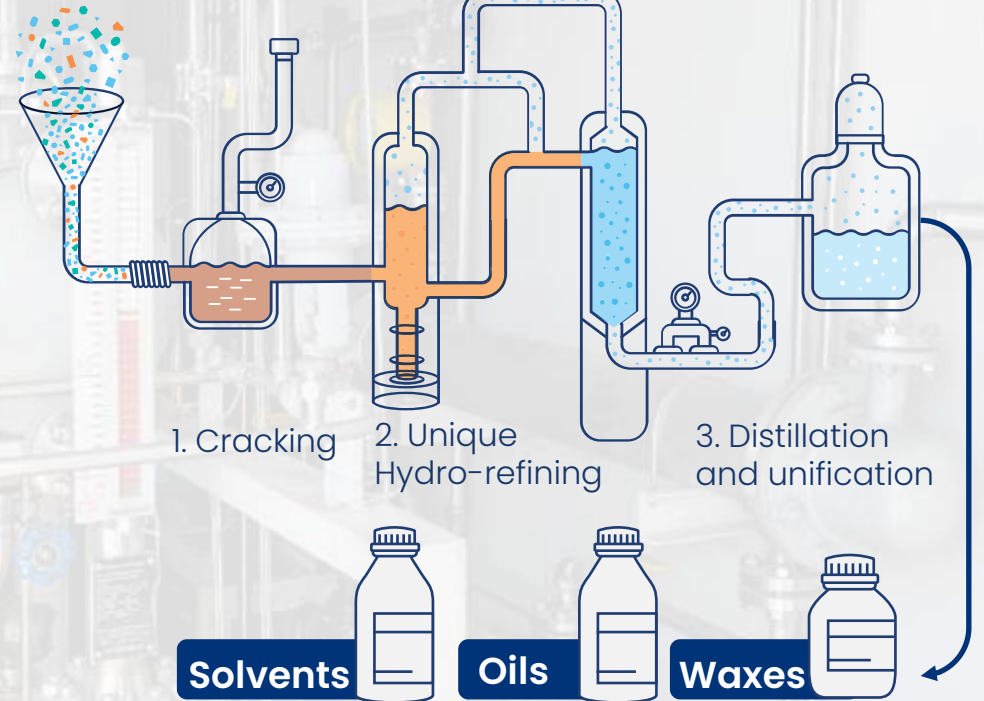
Clariter offers a solution

Upcycling plastic waste into **new, pure, high-value products**, which can **replace fossil-based petrochemicals** in hundreds of industrial applications.

Clariter does what nobody else does – while most other technologies recycle plastics back into plastics, or to energy or fuel, **we create new sustainable products for industry.**



Creating a **lasting impact** on the industrial, environmental and economic landscape



100% upcycled



Our Patented Process

Stage 1

From plastic waste feedstock to pyrolysis oil

Shredded, washed and dried plastic waste is fed into a pyrolysis reactor, heated in an oxygen-free environment, and converted into pyrolysis oil

Stage 2

Hydro-treatment of pyrolysis oil

Pyrolysis oil is treated with hydrogen, saturating the double bonds, turning aromatics to aliphatics, generating a pure hydrocarbon mix

Stage 3

From hydrocarbon mix to high-value end products

Refined hydrocarbon mix is fed into a series of distillation columns, distilled by boiling range and blended into 3 families of products



Our Unique Products



Oilter®

White mineral oils



Clariwax®

Snow-white paraffin wax



Solventra®

Aliphatic solvents

Attractive €22 billion market potential



Solventra®



€5.2bn market



3% CAGR

12% Sustainable CAGR

- Pharmaceuticals
- Paint and ink
- Pesticides
- Cleaning & Detergents



Oilter®



€4.7bn market



4% CAGR

12% Sustainable CAGR

- Lubricants
- Cosmetics
- Personal care
- Li batteries



Clariwax®



€12bn market



4% CAGR

12% Sustainable CAGR

- Candles
- Auto tech
- Food packaging
- Furniture & leather

Unlimited options for sustainable, high-value applications



De-carbonization & emissions reduction leaders

For each Clariter facility...

1 ton of Clariter products avoids 2 tons of CO₂ emissions

1 ton of plastic waste upcycled by Clariter contributes to avoiding 2 tons of CO₂ emissions compared to traditional production and the most efficient waste treatment methods¹

100K tons emissions saved per year

75KT emissions abated from **avoided plastic disposal**

25KT emissions abated by **low carbon production** of sustainable petrochemicals

Displacing 4.2K barrels per day of crude

Clariter contributes to direct & complementary displacement of crude

Lowering reliance on crude oil

Significant upside from carbon / plastic credits

1 ton of CO₂
~\$2-50 per ton

1 ton of plastic
~\$100-500 per ton

Circular economy enabler

Notes:

(1) Data based on an LCA carried out by CE Delft. The traditional production data is gathered from Ecoinvent and waste treatment refers to incineration with energy recovery

Clariter's competitive edge

High 80–85% Product Yield

Market-leading product yield

Driving an efficient, highly profitable process

Achieving ~100% Utilization Rate

Harnessing off-gases to reduce energy consumption and carbon emissions

Residue becomes a sellable byproduct

Highest Compliance & Purity Standards

Clariter products meet:

Industrial Standards

Cosmetic & Pharmaceutical purity levels (REACH)

FDA food-contact grade

Seamless product replacement

Production lines can easily be shifted from fossil-based petrochemicals to Clariter products

Distinguishing Clariter from other bio-based alternatives

Broad Plastic Acceptance

Clariter's process accepts most plastic types, including mixed and contaminated

More flexible than conventional recycling technologies

Clariter's Journey



2003

Lab
9m²



2006

R&D Pilot
Plant
Poland 300m²



2009

IP breakthroughs
6 patents
secured



2018

Industrial
Demo Plant
South Africa
15,000 m²



2025

Commercial
Scale-up Plant
Designing and
building our 1st
commercial plant

An unmatched offering

**Sustainable, pure
chemicals with
unlimited applications**



**Circular, electrified
production with zero
reliance on crude oil**

Working with the best



Morgan Stanley



McCANN



A large, multi-story industrial facility with numerous pipes, walkways, and structural elements, serving as the background for the infographic. The Clariter logo is visible on one of the building's vertical surfaces.

100%

OIL AND SOLVENT
SALES SECURED

€77M

TOTAL FUNDING SO FAR

6

PATENT FAMILIES

2 more awaiting approval

~85%

YIELD

100%

UTILIZATION RATE

**Take the lead
in sustainability**
and profitability



Let's talk

www.clariter.com