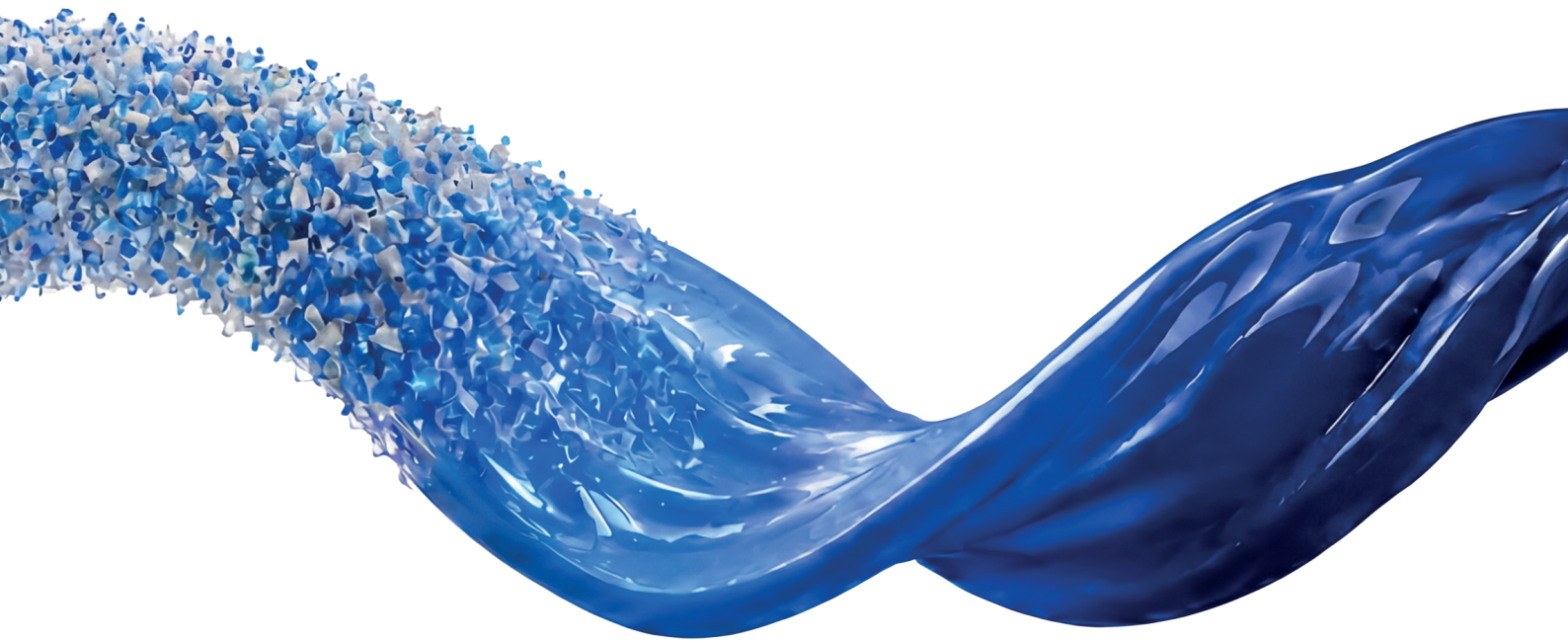


Where energies make tomorrow ●

Nerea™

Turning circular ambition
into industrial reality.

A standardized, modular product for the
chemical recycling of hard-to-recycle plastics.



Circular Plastics: Challenges Creating New Opportunities

Demand for circular plastics is growing, driven by increasingly ambitious recycled content requirements across major markets.

Regulations such as the EU's Packaging and Packaging Waste Regulation (PPWR), EPR schemes in the US, and India's Plastic Waste Management Rules are accelerating the transition towards circular materials. Depending on the market, many of these policies require packaging to contain between 10% and 65% recycled content by 2040.

Together with corporate sustainability commitments and the need to reduce dependence on virgin fossil feedstocks, these market forces are creating long-term demand for circular plastics.

Deploying chemical recycling at scale remains a challenge

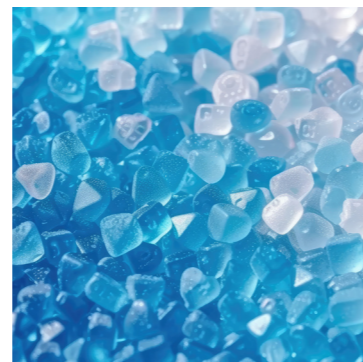
However, many chemical recycling projects and owners face challenges on the path to scalable, predictable and investment-ready deployment, including:

- Uncertain economics and difficulty securing investment
- Long development timelines
- Variability of available feedstocks
- Early-stage technology scale-up risk

At the same time, waste operators and industrial players are under pressure to manage difficult plastic waste streams while improving circularity and creating new revenue opportunities.

The industry needs a more predictable route to circular plastics production.

“ Packaging regulations will require up to 65% recycled content by 2040.



Making circular plastics deployment more predictable and bankable

As demand for circular plastics accelerates, the industry needs a more predictable route from project development to commercial operation.

Together with its partners **Alterra** and **Neste**, **Technip Energies** turns circular ambition into industrial reality with **Nerea™**, combining industrial delivery capability, commercially proven technology and chemical recycling expertise to enable faster, predictable deployment of circular plastics projects.

- 5 years**
of continuous commercial operation
- >100**
ton-per-day patented technology
- 3**
industry leaders



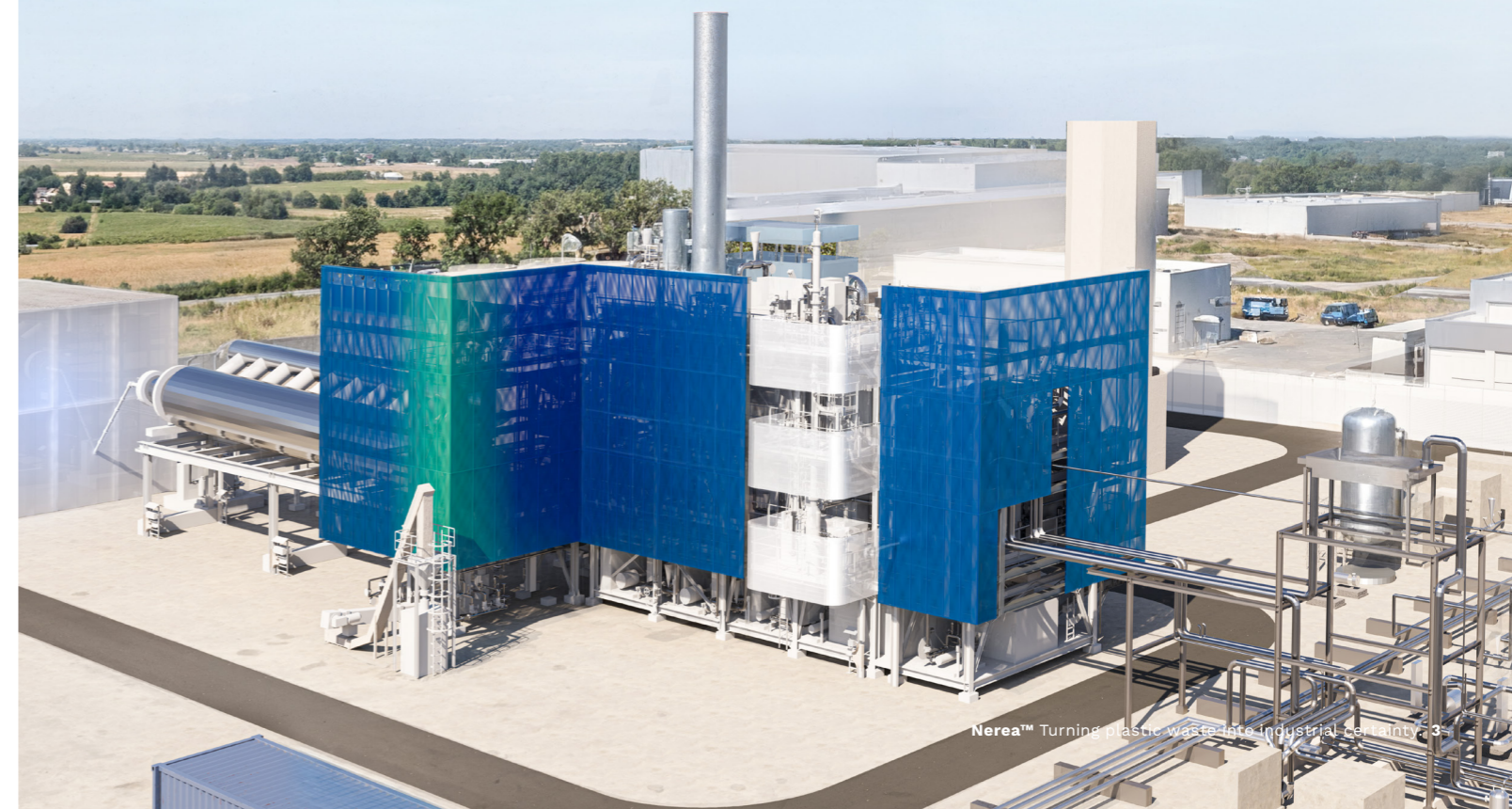
Industrial-scale engineering and project delivery



Commercially proven liquefaction technology



Global expertise in chemical recycling



Nereia™

Turning circular ambition into industrial reality.

Nereia™ a standardized, modular product for the chemical recycling of hard-to-recycle plastics.

Combining **Alterra's** proven liquefaction technology, **Neste's** chemical recycling expertise and **Technip Energies'** industrial delivery capability, Nereia™ transforms complex plastic waste streams into new, industrial-specification feedstock – supporting the circular economy by keeping materials in motion, restoring value and enabling a continuous flow of resources through the value chain.

The Nereia™ Advantage:



Delivery confidence, reducing project complexity and risks, from investment to operations, through a standardized product approach.



Proven performance based on a reliable and commercially proven recycling technology, operating for 5+ years.



Bankability & Predictability through a repeatable and scalable industrial deployment model designed to improve cost visibility, execution certainty and enable long-term value creation.

“

Alterra has been processing real-world post-consumer plastic waste at its commercial-scale Ohio facility since 2020.

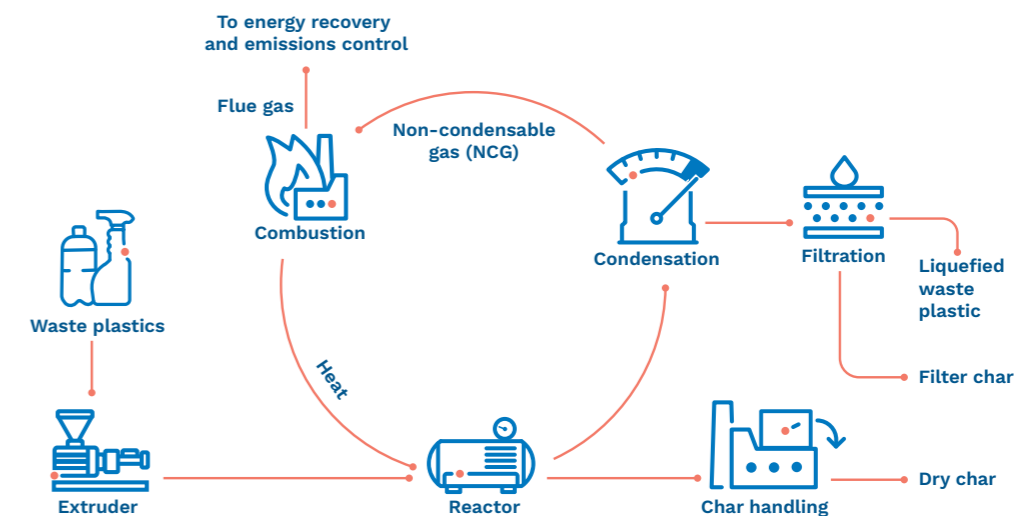


How Nereia™ works

Nereia™ uses patented Alterra's thermochemical liquefaction technology to convert hard-to-recycle plastic waste – including heterogeneous, complex, multilayer, and flexible – into a valuable liquid hydrocarbon product.

In an oxygen-free thermal process, plastic waste is transformed into circular feedstock suitable for refining and upgrading into new plastics and chemicals.

By recovering and reusing process energy within the plant, Nereia™ is designed to support efficient operation while maximizing the value extracted from difficult waste streams.



Designed for delivery confidence

Nerea™ combines proven technology with a standardized delivery model to create a more predictable path toward circular plastics production.

KEY BENEFITS:

Standardized product

Designed for repeatable deployment across sites and geographies, with greater predictability in cost, schedule, and performance.

Built on commercially proven technology

Operating continuously for 5+ years with post-consumer plastic waste.

High-quality repeatable output

Produces feedstock meeting industrial specifications for further processing into new plastics.

Designed for real-world feedstock

Processes hard-to-recycle and heterogeneous plastic waste, including multilayer and flexible plastics.

Delivered through a unique industry alliance

Combining expertise across technology, feedstocks, modularization and project delivery.

Creating shared value across the circular plastics chain

Waste operators

Create value from difficult plastic waste streams.

- Diversify waste management pathways
- Create value from underutilized plastics
- Support circularity objectives
- Reduce reliance on landfill and disposal routes



Project developers

Accelerate project development and improve predictability.

- Standardized plant design
- Reduced project complexity
- Repeatable deployment model
- Faster path toward investment decisions



Refiners and petrochemical companies

Access new sources of circular feedstock.

- Support circular plastics production
- Contribute toward recycled-content targets
- Diversify feedstock options
- Enable long-term circular growth
- Integrate alongside existing refining infrastructure





Nerea™

Learn more about Nerea™ and how it can help you unlock the value in hard-to-recycle plastics.

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