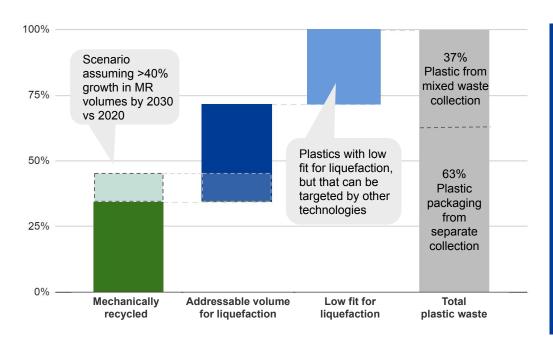


Plastic waste fed into recycling could be doubled by implementing chemical recycling by liquefaction



Availability of plastic waste streams for liquefaction in Europe is <u>at least</u> 7-9 Mton (~37%) of plastic waste¹⁾ by 2030.

Targeted waste consists of:

- Plastics from mixed waste collection, with high level of impurities
- Mechanically unrecyclable plastic waste from separate collection, e.g. flexible multilayer packaging
- Rejects and residues from mechanical recyclers

¹⁾ Based on ambitious circularity development scenarios in only 9 biggest plastic waste producing countries in EU27+3, data from Plastics Europe; Eurostat; Bain Analysis



We need easy-to-deploy solutions for hard-to-recycle plastics





Unique collaboration leveraging the expertise of three industry leaders



Leading developer and operator of thermochemical liquefaction technology for advanced recycling of discarded plastics



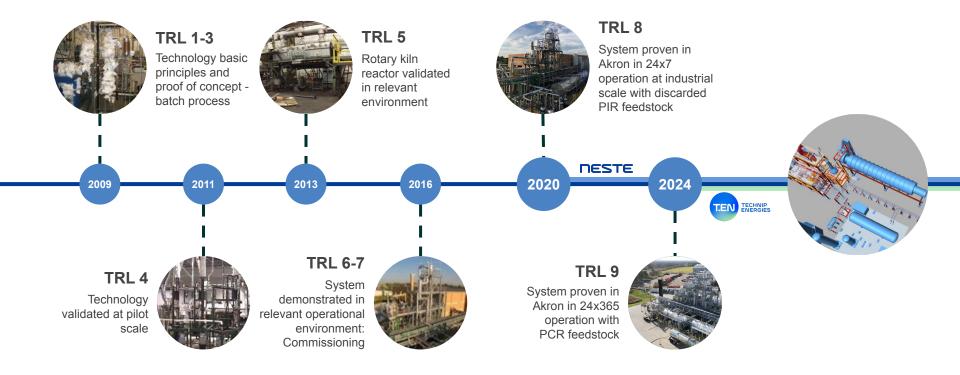
Leading global producer of sustainable aviation fuel, renewable diesel and a frontrunner in renewable and circular feeds for the petrochemical industry



Leading global technology and engineering company for energy infrastructure and decarbonization

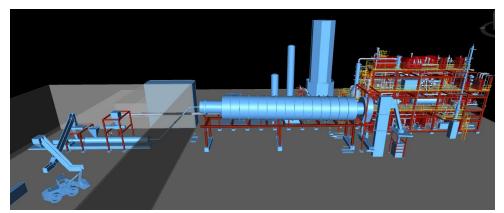


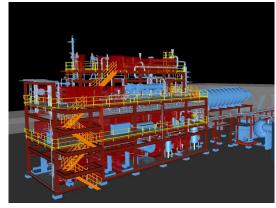
Alterra's technology journey





Standardized modular solution to build robust and reliable liquefaction capacity







Technology development, licensing and operation



Technology development and licensing in Europe

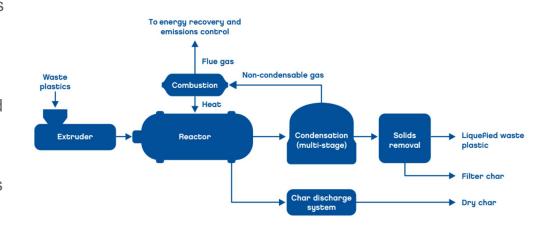


Design, engineering and delivery of standardized plant solution



Alterra technology is a proven and future proof rotary kiln pyrolysis process

- → Maturity | Proven in over 90 days' continuous commercial scale operation processing post-consumer plastics
- → Feedstock flexibility | Robust and fouling resistant design enables valorization of mixed plastics that are not suitable for mechanical recycling
- → Energy efficiency | Non-condensable gas as the primary energy source and flexible downstream heat recovery options
- → CAPEX efficiency | Competitive cost per ton of feedstock processed thanks to scale advantage





Alterra's Akron, OH reference plant

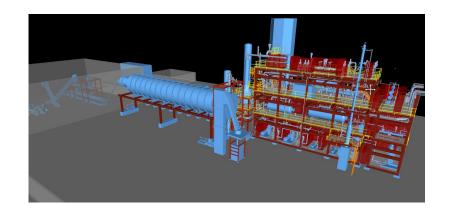




Standardized design enables projects with predictable investment cost and accelerated implementation

- → Improved investment predictability | High accuracy cost estimate available already at an early stage of the project
- → Minimal pre-FID cost | No customer cost for engineering the liquefaction process
- → Accelerated project delivery | Minimized engineering schedule shortens time-to-revenue
- → Easy-to-deploy | EPF (Engineering, Procurement, Fabrication) delivery by renowned and reliable engineering partner Technip Energies







The right time to engage in discussions is now

- → Project status | Standardized design expected to be completed by the end of 2025
- → Validation | Information for technology due diligence is available and visits to the Akron plant can be arranged already now
- → First-movers | First licensing discussions for the concept are already proceeding











