

Barcelona, 21 d'octubre de 2025

Circularitat química

Exemples reals de transformació de residus en molècules de valor

Technip Energies at a glance

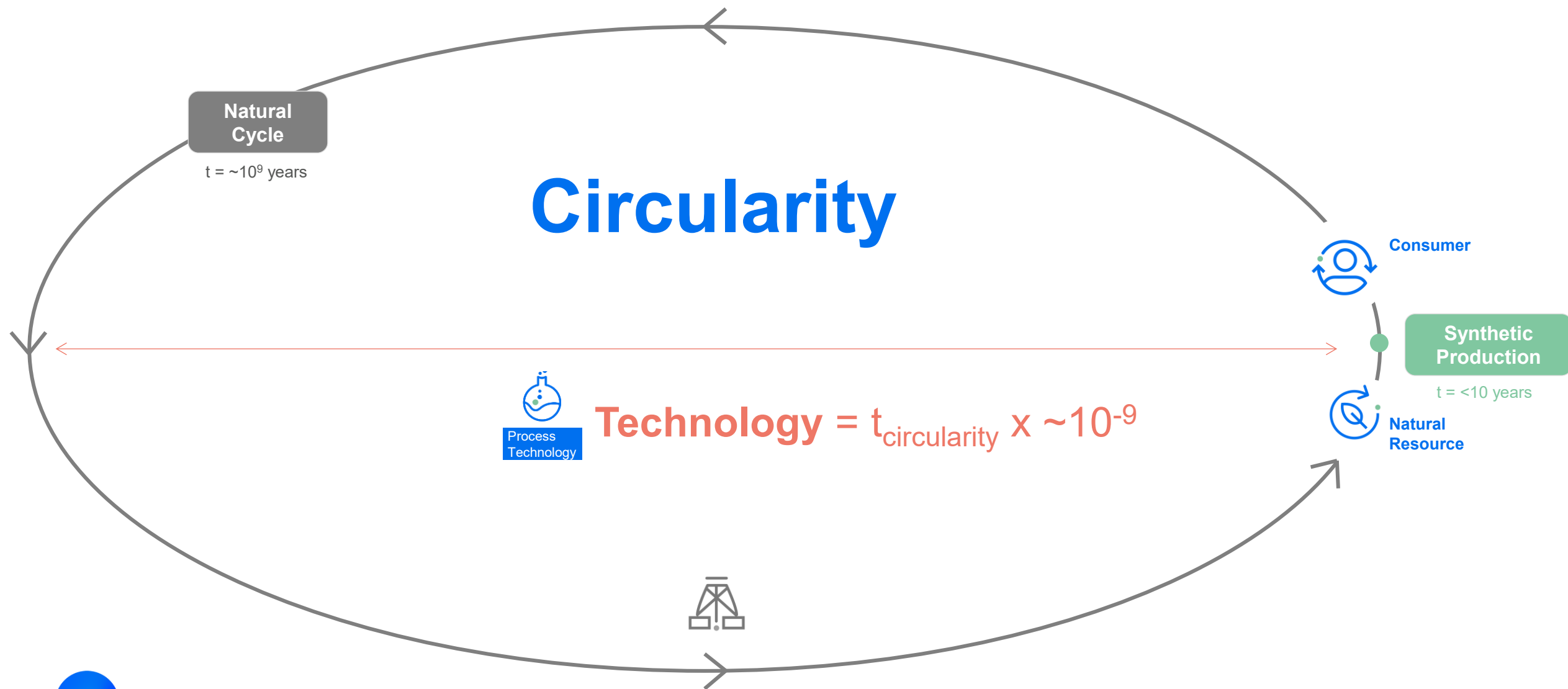
Listed on Euronext Paris Stock Exchange	Headquartered in Paris	65+ Years of operations
€6.9bn Full year 2024 adjusted revenue	A global technology & engineering powerhouse leading in energy & decarbonization infrastructure	~€20bn Backlog at end 2024
17,000+ Employees in 34 countries	60+ Leading proprietary technologies	500+ Projects under execution



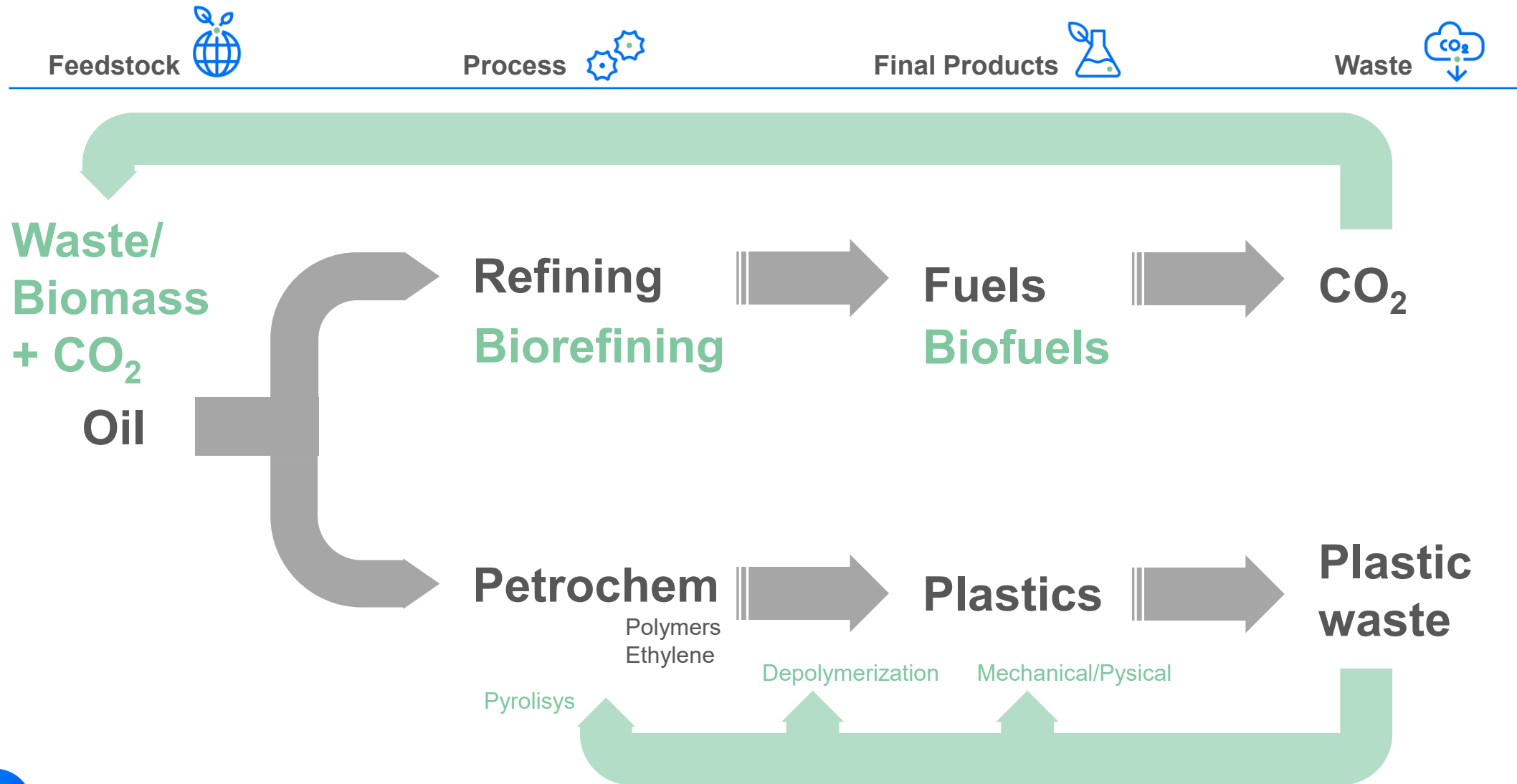
In 2022, 5.0 tonnes of waste were generated per EU inhabitant
40.8% of waste were recycled and 30.2% landfilled in the EU

Problem or potential resource?

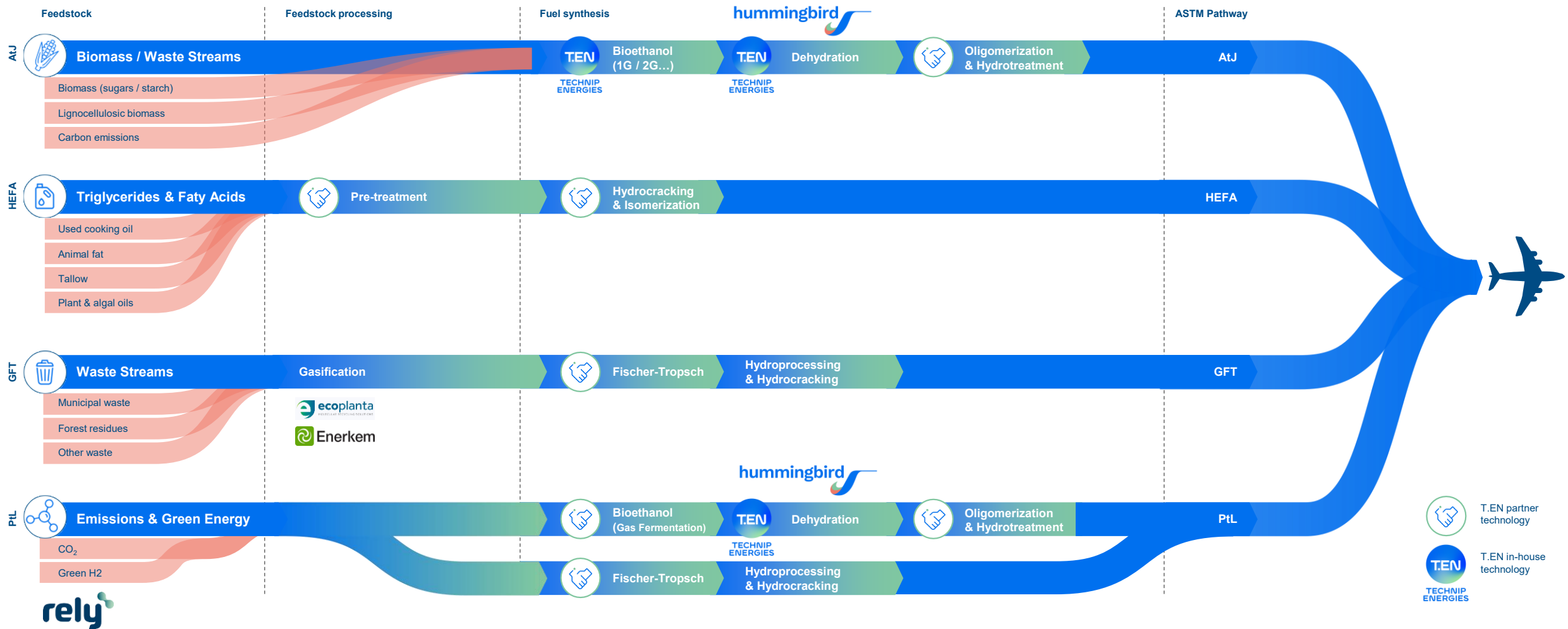
A challenge of time-scale...



Circularity in Downstream Industry



Proprietary technology and process innovation for every SAF pathway



Biomass energy | Partenariats commerciaux

Technip Energies secures two major contracts for Ecoplanta methanol plant in Spain

Technip Energies has secured two engineering contracts from Repsol for an innovative waste-to-methanol facility in Tarragona, Spain, marking a strategic milestone in its partnership with Enerkem.

Share:



en energynews | October, 6 2025

Technip Energies has secured two engineering service contracts from Repsol for the Ecoplanta Molecular Recycling Solutions project, located in El Morell near Tarragona, in northeastern Spain. The project involves the construction of the first commercial-scale facility in Europe capable of converting non-recyclable municipal solid waste and biomass into renewable methanol.

Repsol confía a Technip Energies dos contratos para la producción de metanol en la Ecoplanta de Tarragona

La planta de Repsol, pionera de conversión de residuos en metanol que se construirá en El Morell, cerca de Tarragona

6 Redacción
10/02/2025

Compartir

Comentar



Logo de Repsol.

Maria Fernández - Europa Press

Ningún comentario

Technip Energies ha sido adjudicatario de dos contratos de servicios de Ingeniería por parte de Repsol para el desarrollo del proyecto Ecoplanta Molecular Recycling Solutions (Ecoplanta), una planta pionera de conversión de residuos en metanol que se construirá en El Morell, cerca de Tarragona.

A ti, que siempre nos pides más,
te damos
el doble de ahorro

Source: Periódico de la Energía

[Repsol confía a Technip Energies dos contratos para la producción de metanol en la Ecoplanta de Tarragona](#)

Source: Energy News

[Technip Energies secures two major contracts for Ecoplanta methanol plant in Spain - energynews.pro](#)

Arcadia eFuels

2,000 BPD e-Fuels Plant

Contract: FEED

Award: 2023

Delivery: 2024

Client: Arcadia Efuels

Location: Denmark

Description

First of a series, modularized, power to liquid (PtL) projects (2,000 BPSD), based on Sasol FISCHER TROPSCH and Topsoe RWGS technologies, producing mainly eSAF by using Green H2 and recovery CO2 as feedstocks



Collaboration Topsoe-Sasol-T.EN by creating a unique proposition for Power-to-Liquid (PtL)



Framework

The HVO@Galp project aims to build an **innovative industrial facility to produce biofuels - namely renewable diesel, renewable jet, and bionaphtha - to be used in the decarbonisation of road and air transport**. These biofuels will be produced from raw materials of biological origin - such as used cooking oils and animal fats - and from the consumption of green hydrogen (H₂) produced at the Galp H₂ Park.

The project will be developed inside the Sines refinery and in the adjacent area belonging to the Sines Industrial and Logistics Zone (ZILS), occupying an area of around nine hectares.

240 kta diesel / 180 kta jet

838 kta used cooking oil

-800 kta CO₂

-88% relative greenhouse gas emissions

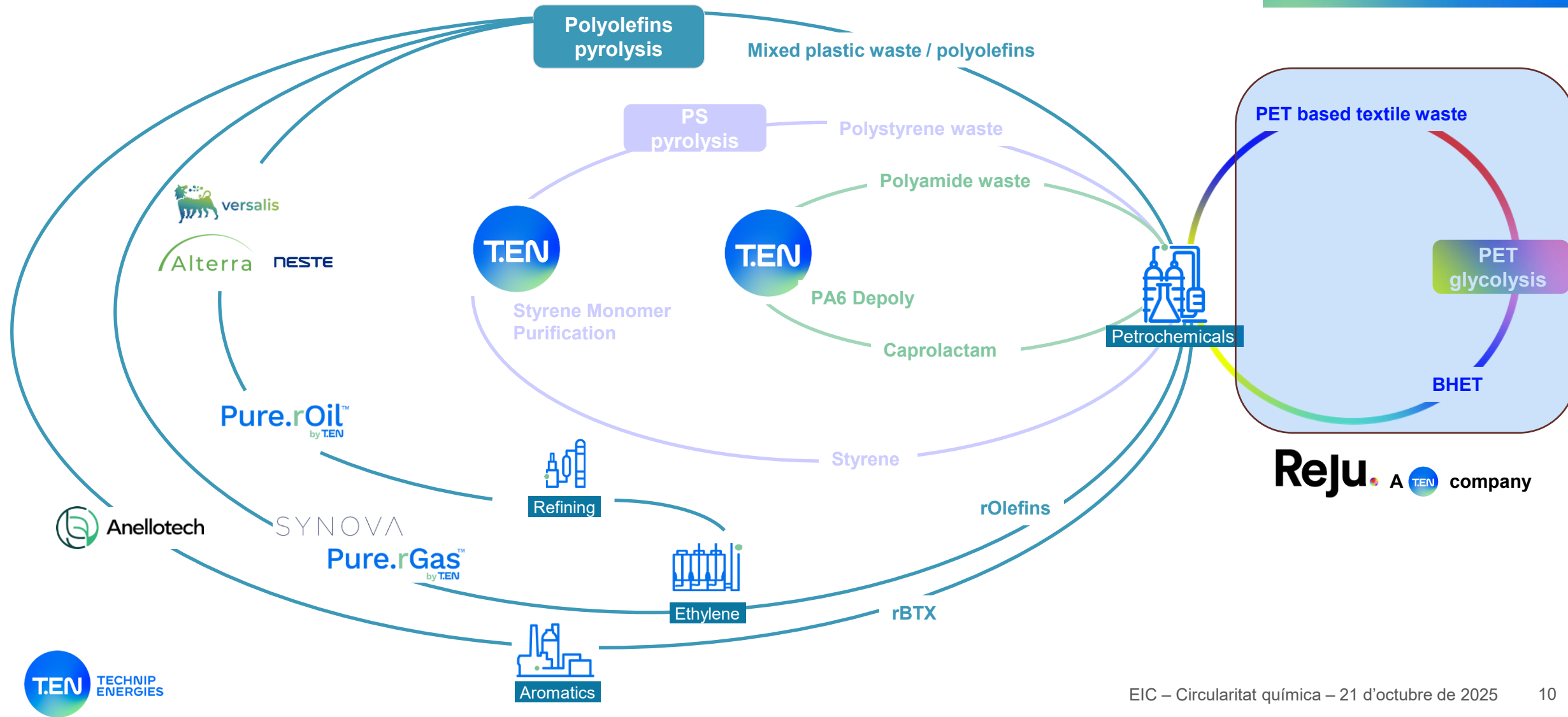
400 M€

Source: Galp
[HVO @ Galp Project](#)

Circularity @ T.EN

Sustainable Petrochemicals

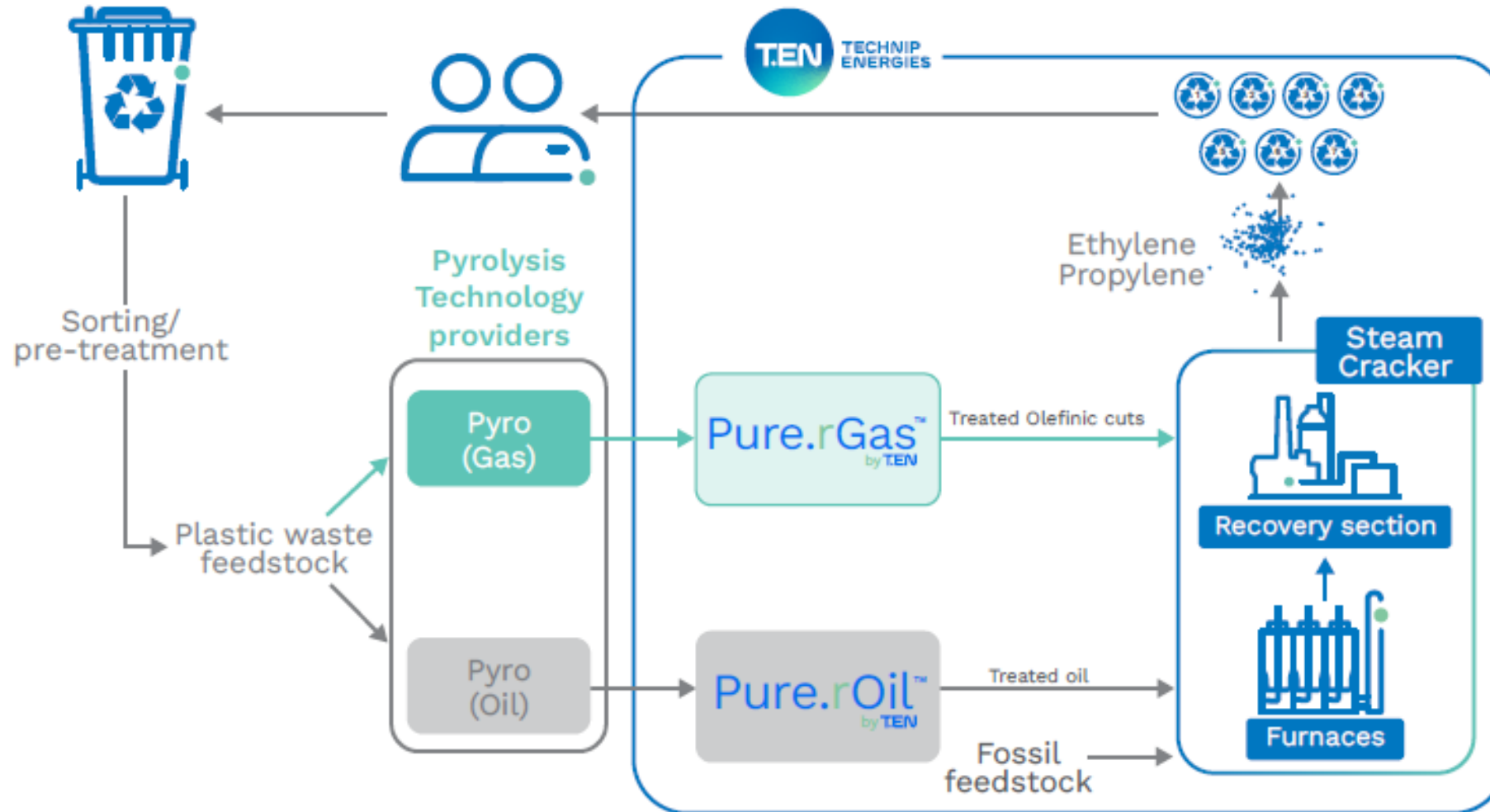
For each of our plastic technologies, we want to have a recycling technology ”



Reju A T.EN company

Plastic Waste to Olefinic Process

Attractive yields & Life Cycle Analysis which is suitable for a variety of feedstocks



Alterra product



NESTE



A differentiated approach toward waste plastic-based pyrolysis oil

A plug & play module converting mix plastic wastes to enable circularity by advanced recycling

- **Reliable industrial asset**
 - Proven in use at large scale
 - In operation for more than 5 years
 - Commercially operating in 24/7 manner
- **State-of-the-art engineered module**
 - A standard, repeatable modular design minimising pre-FID Cost, schedule and increasing CAPEX accuracy
- **A path for a fast acquisition**
 - Alterra/Neste provide License
 - T.EN exclusive supplier of standard “Core of Plant” modules
 - T.EN can also pick-up the Balance of Plant design for FEED and potential EPC phase.



Alterra technology converts low quality solid plastic rich waste into a pyrolysis oil to enable circularity.



Gràcies!

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Where energies make tomorrow

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