From Traditional Industry to Renewable Fuels: **Scaling Up 100% Renewable Diesel and Aviation Fuel**



noeve

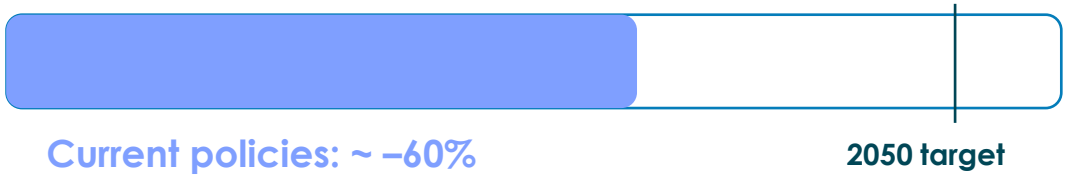


Reaching Europe's transport ambition will require more than one decarbonization pathway

THE GAP

–90%

EU transport emissions ambition by 2050 vs. 1990



The remaining gap cannot be closed with a single technology.

Different transport segments need different solutions.

THE SOLUTION MIX

Electrification
Core pathway for passanger and light-duty road transport

Energy efficiency
Essential across every transport mode

Renewable fuels
Critical for aviation, maritime and heavy-duty transport

The transition is not only about replacing assets. It is also about transforming them.

From yesterday cooking oil to tomorrow's flight

Turning waste into mobility



01 COLLECT
Used cooking oil and other wastes

02 PRETREAT + CONVERT
Conditioning · H_2 · industrial process

03 FLY
SAF for hard-to-abate aviation

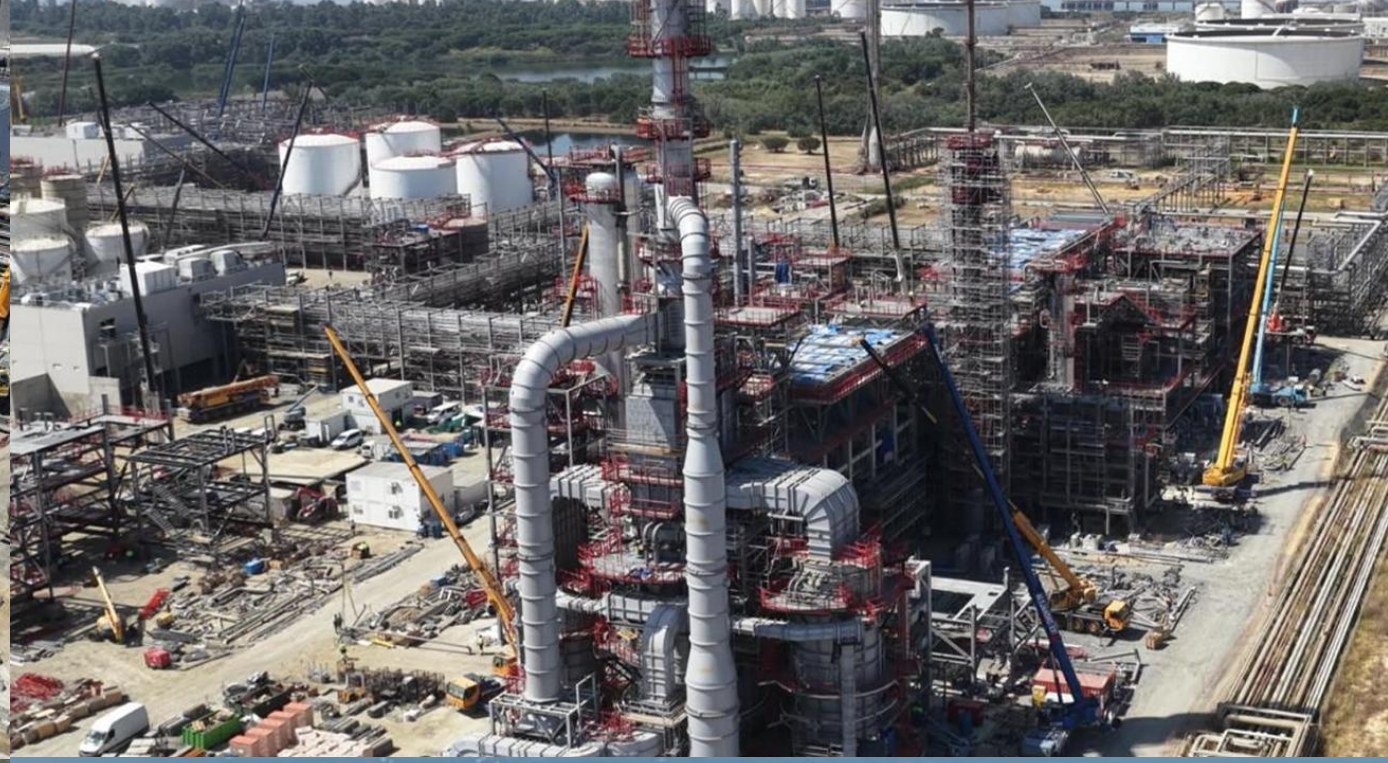
A SIMPLE STORY...

WASTE → TREATMENT → FUEL

...UNTIL YOU TRY TO DO IT AT INDUSTRIAL SCALE








C.T.C



Scaling renewable fuels means building an entire value chain

We are not starting from scratch: existing industrial capabilities become the platform for new molecules.



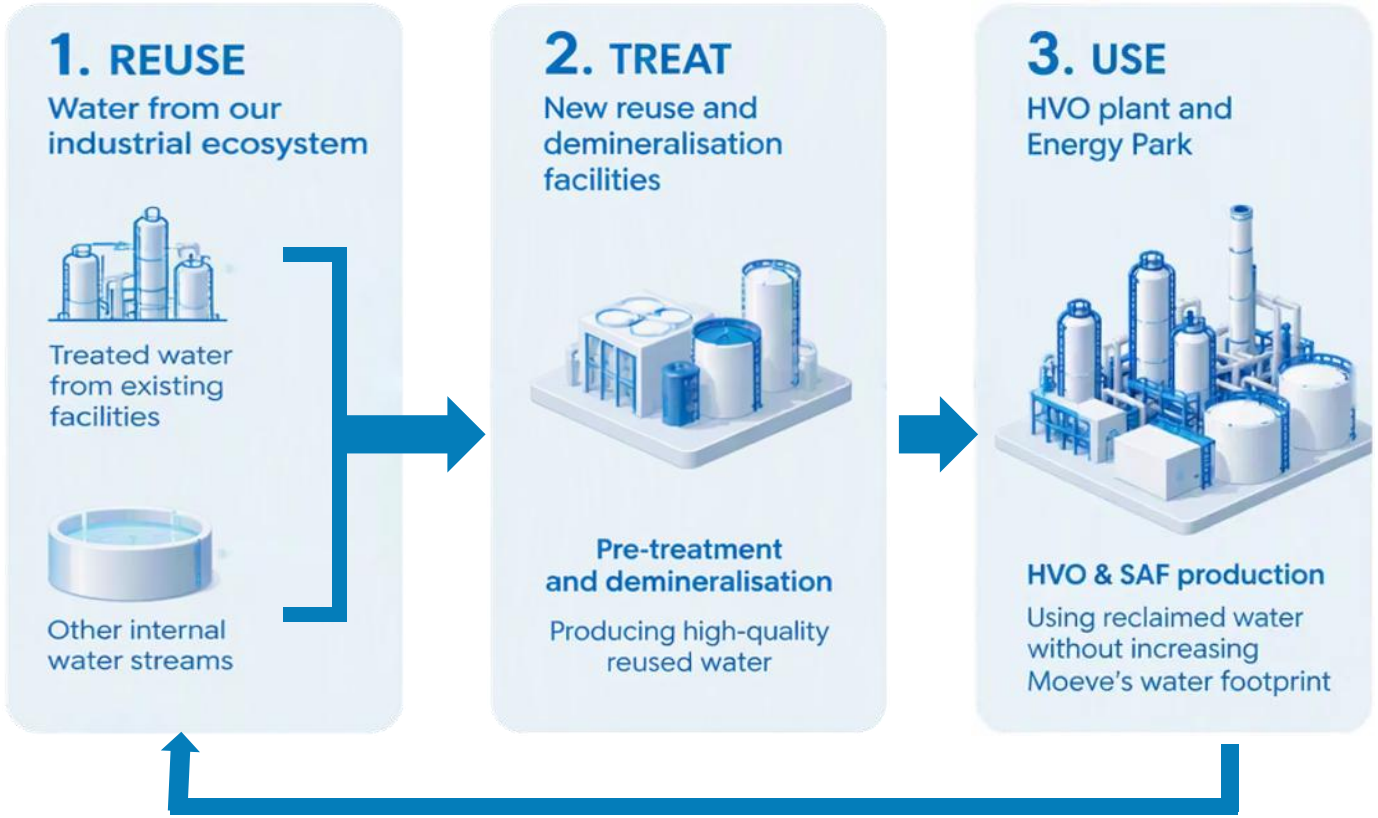
H_2 | Steam | Water | Energy | Other critical services

LA RÁBIDA ENERGY PARK

Knowledge · Infrastructure · Port connection · Operating capabilities

Growing renewable fuels without growing our water footprint

Reusing water within the industrial ecosystem to serve HVO and the wider Energy Park



THE IMPACT

–1.2

million m³/year

potential reduction in water withdrawal

≈ 480 **Olympic swimming pools every year**

Illustrative equivalence

Sustainability is not only about what we produce. It is also about how we produce it.

Five lessons from scaling renewable fuels

What this industrial transformation has taught us so far

01

SCALE

Impact starts at industrial scale

Move beyond pilots and create the full system needed for reliable production.

02

TRANSFORM

Build on existing capabilities

Reuse knowledge, infrastructure and operational capabilities for a new purpose.

03

FEEDSTOCK

As strategic as technology

Secure sustainable inputs and the logistics needed to bring them to the plant.

04

FLEXIBILITY

Be ready for changes in demand

Build a plant that provides flexible capacity to adapt to new demand (e.g. HVO and SAF)

05

SINERGIES

No one transforms alone

Co-locate with existing refining, hydrogen and ports and build and integrated hub

The energy transition is not only about new technologies. It is about transforming entire value chains.

The energy transition is not about replacing industry, is about transforming industry




Thank you
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