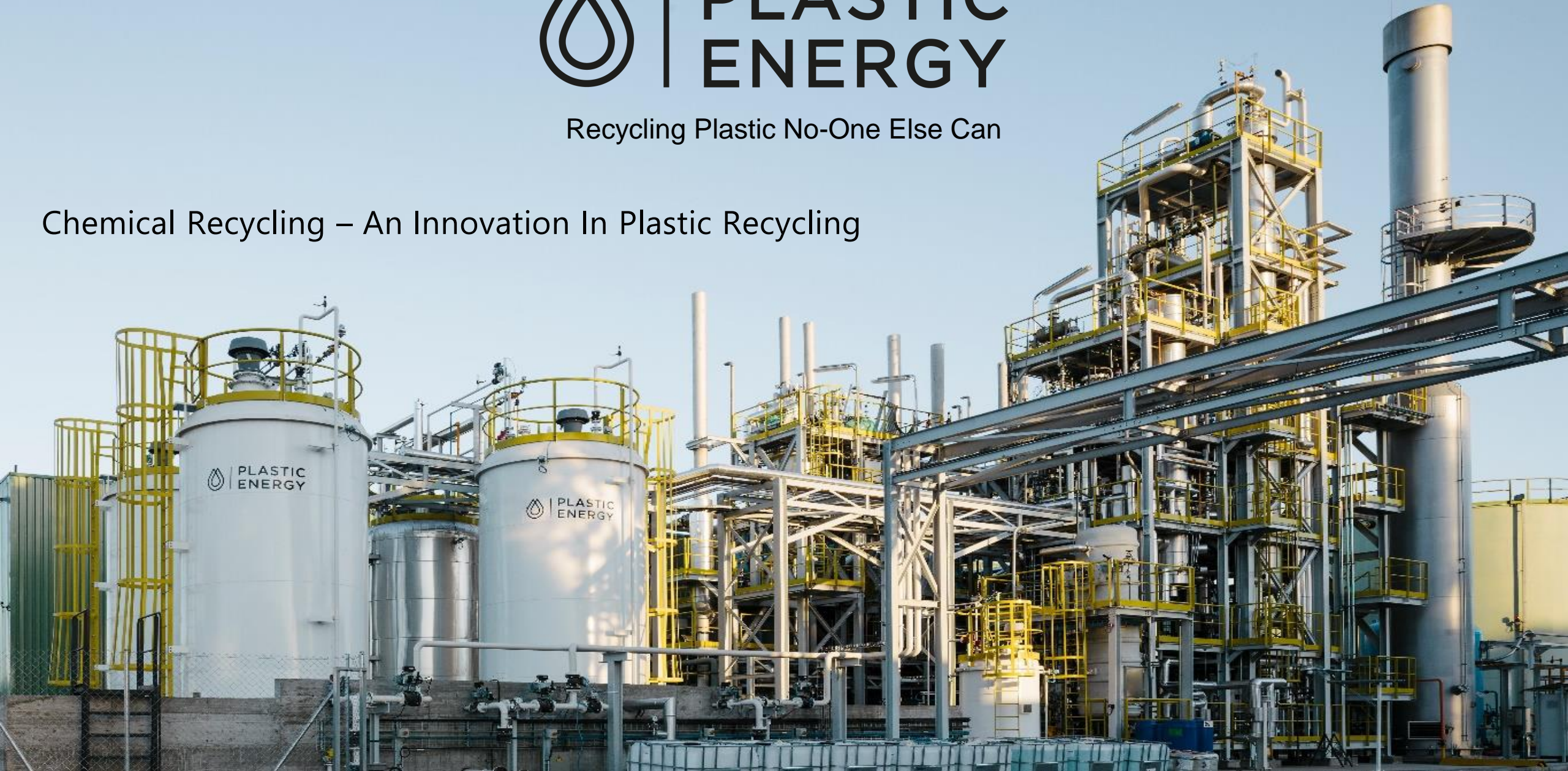




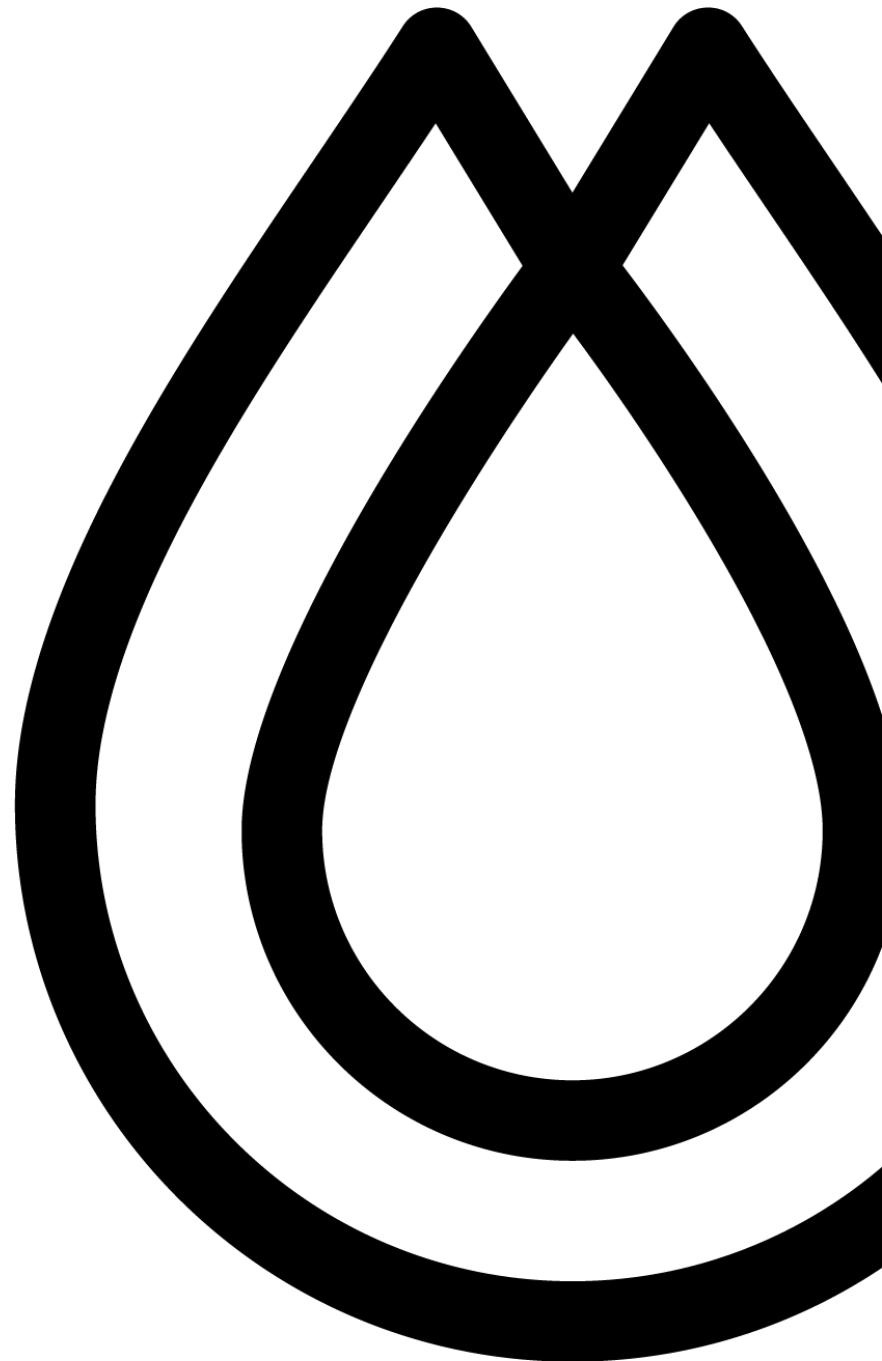
Recycling Plastic No-One Else Can

Chemical Recycling – An Innovation In Plastic Recycling



PLASTIC ENERGY - TAKEAWAYS.

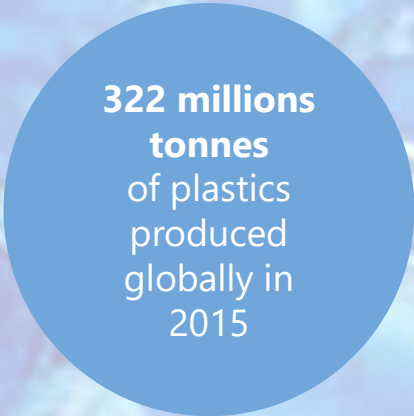
- Plastic Energy is a leader in chemical recycling, converting end-of-life plastic waste into hydrocarbon oils, to be used as a feedstock to make clean recycled plastics
- We are the only company to:
 - own and operate two industrial plants,
 - have 3 years operational experience
 - have long-term agreements with major industry players
 - have validated the Plastic2Plastic process with the whole value chain.
- We provide value to valueless waste destined to incineration, landfills, or our environment, and support the creation of a circular economy.



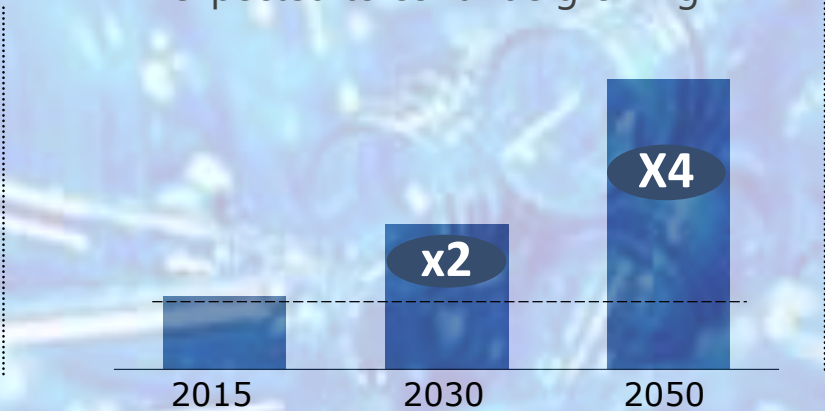
A WORRYING STATE OF PLAY.

Growing plastic production and limited recycling. If we continue in the current path, the consequences would be irreversible.

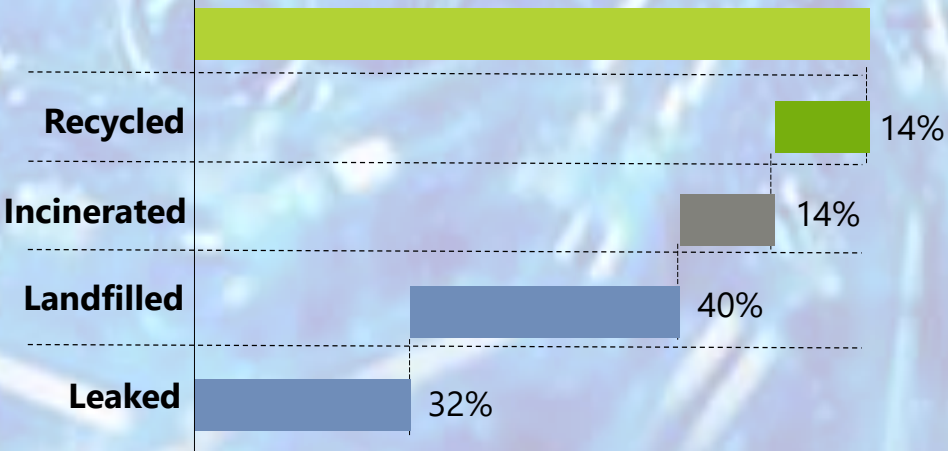
Plastics today



Plastic packaging production expected to continue growing

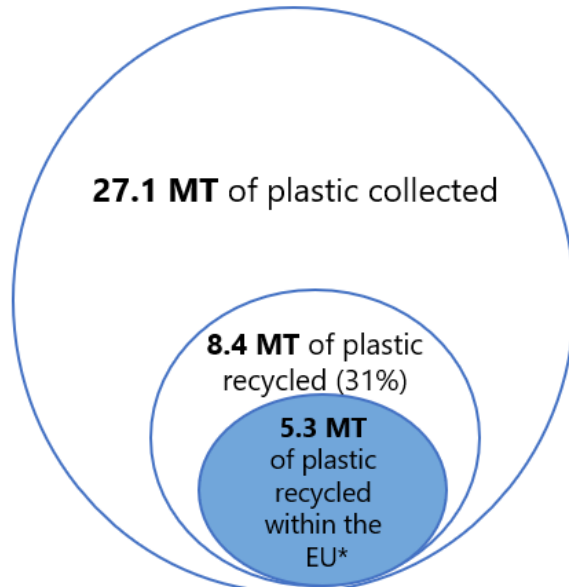


Global flows of plastic packaging (2013)
How little do we recycle?



A WORRYING STATE OF PLAY... ALSO IN THE EU.

Plastic recycling remains low in the EU



*Given that 37% of plastic waste is sent abroad for 'recycling', only 19.5% of EU plastic collected is recycled inside the EU.

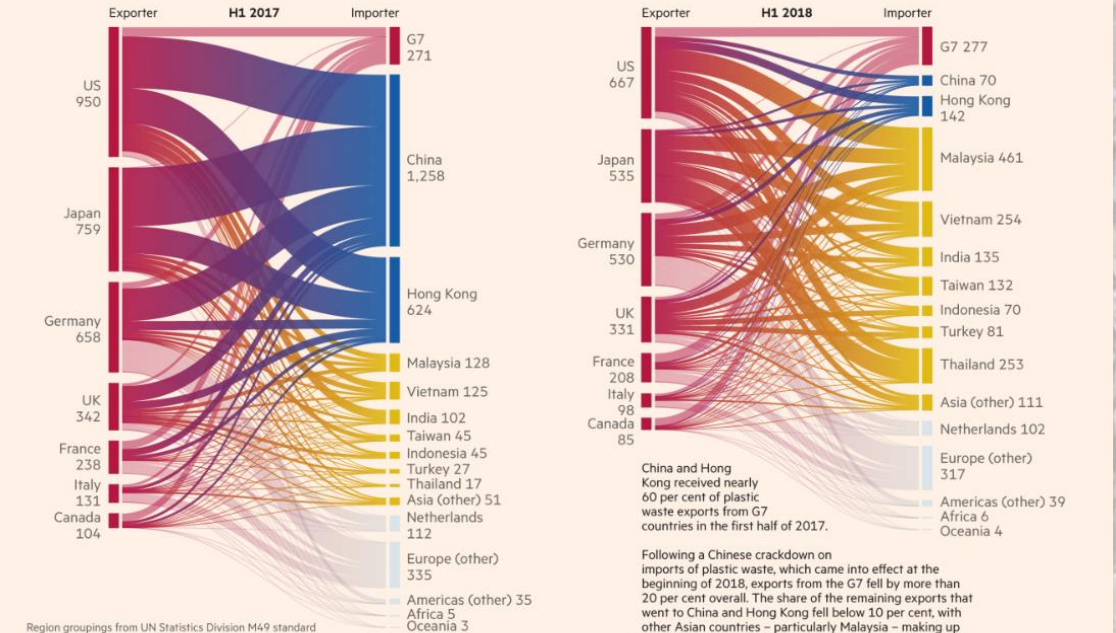
- Despite available technologies, EU countries do not have enough infrastructure to deal with their own plastic waste
- Exports have slowed down the expansion of recycling facilities.

China ban divert plastic waste to countries with even less infrastructure

- Plastic export got redirected to other countries in South-East Asia with even less waste management and recycling infrastructure.
- These countries are starting to close their doors on plastic waste.

How the global river of plastic waste changed course in just 12 months

Exports of plastic waste, parings and scrap from G7 countries ('000 tonnes)



China and Hong Kong received nearly 60 per cent of plastic waste exports from G7 countries in the first half of 2017. Following a Chinese crackdown on imports of plastic waste, which came into effect at the beginning of 2018, exports from the G7 fell by more than 20 per cent overall. The share of the remaining exports that went to China and Hong Kong fell below 10 per cent, with other Asian countries – particularly Malaysia – making up much of the shortfall.

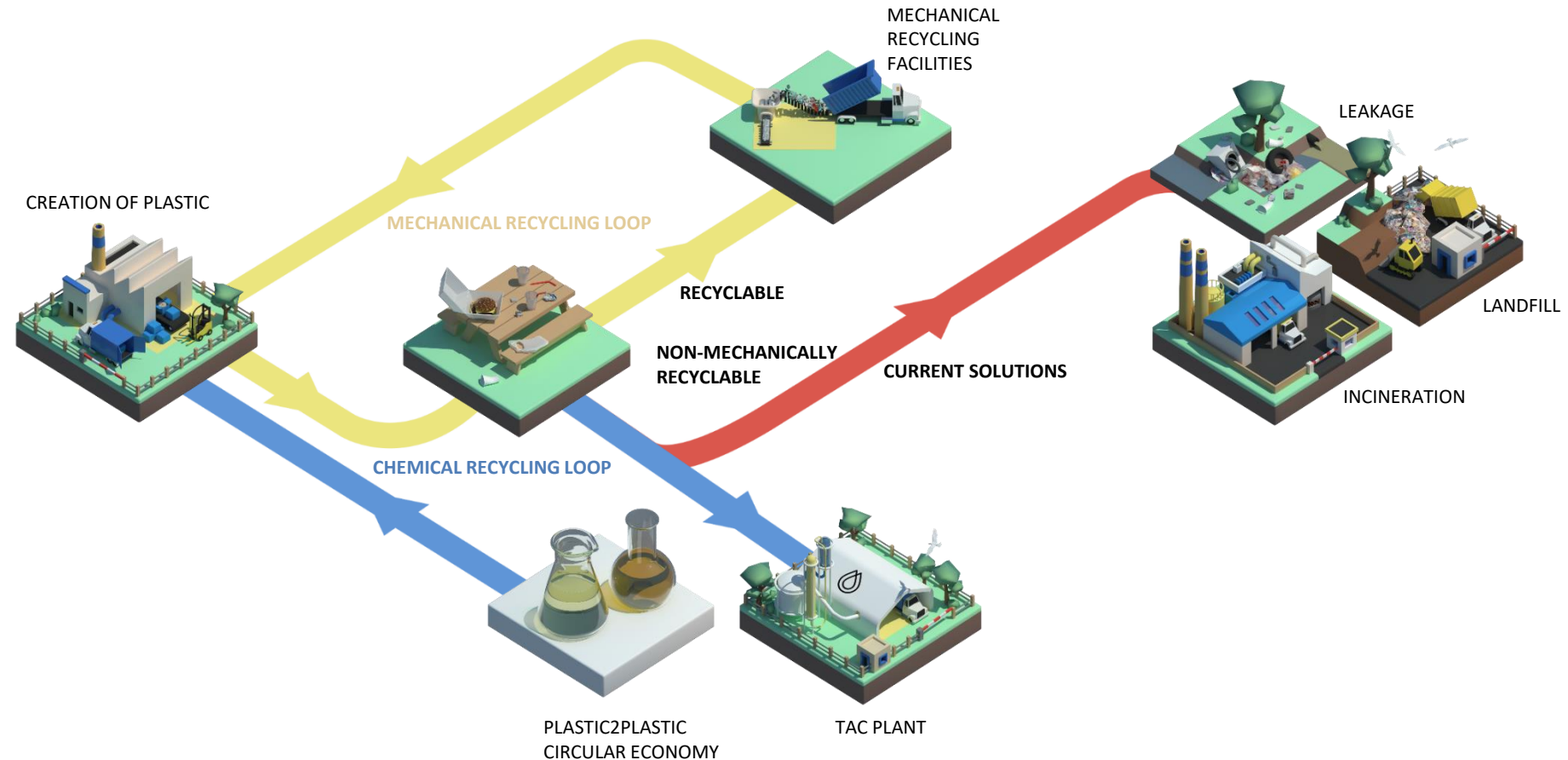
Visual Journalism: David Blood, Liz Faunce, Aendrew Rininsland

CHEMICAL RECYCLING - A SOLUTION FOR NON-MECHANICALLY RECYCLED PLASTICS.

💧 Plastic Energy's optimal feedstock (TACOIL) is used for making new plastic

💧 Chemical recycling complements mechanical recycling:

- Overcome some of its challenges
- Support in creating a circular economy





**CLICK THE PLAY BUTTON
ABOVE TO WATCH A SHORT VIDEO**



CHEMICAL RECYCLING – CIRCULAR ECONOMY OF PLASTICS.



CIRCULAR POLYMERS :

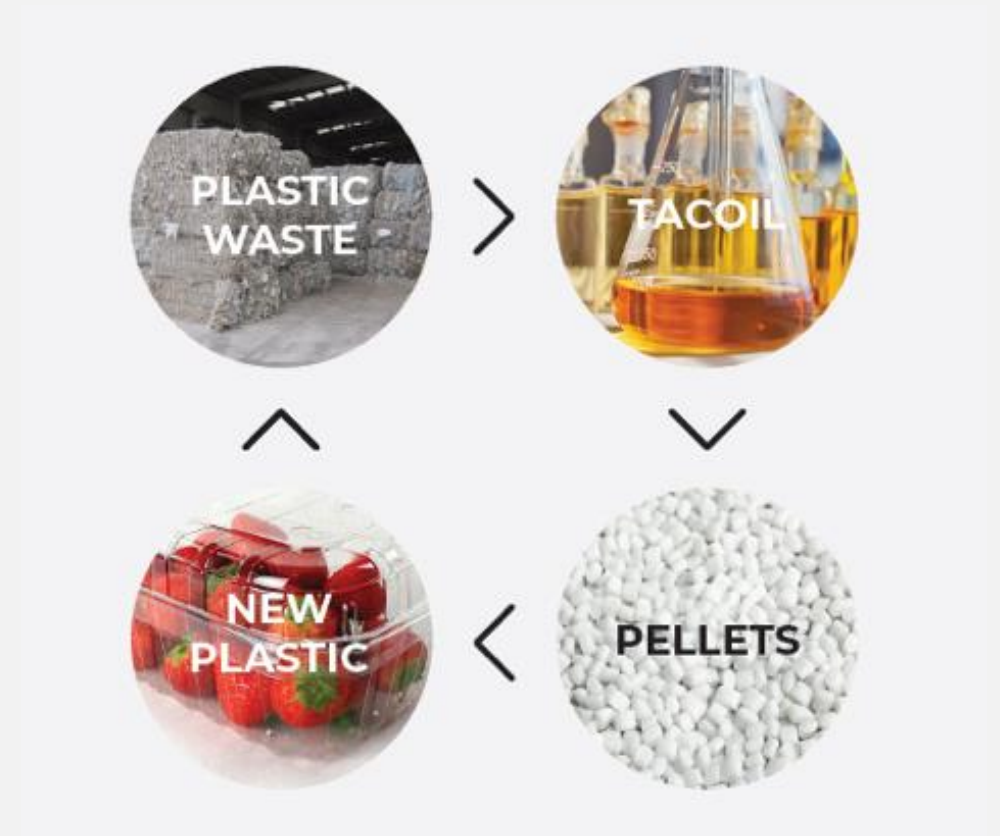
1ST company worldwide having validated the circular economy of end-of-life plastics.

- Announced in Davos 2019
- Renewi, PLASTIC ENERGY, SABIC, Unilever / Vinventions / Walki Group
- Certified circularity and traceability by the ISCC+
- Recycled content following mass-balance approach



PROPERTIES:

- Virgin quality oil made from end-of-life plastic waste
- Food-grade packaging
- Endless recycling without degradation



WHY IS THIS INNOVATION IMPORTANT?



Support countries in increasing recycling rate and creating a circular economy



Recycle previously non-recyclable plastics



Divert plastics away from landfills and incineration, and preventing leaks in our ocean



Contribute to reducing oil extraction / the production of virgin plastics and reduce CO2 footprint

A FAST GROWTH.

“ We aim to build 10 plants in Europe
and 10 plants in Asia by 2023
- Carlos Monreal, CEO



Almeria (SP)

- Plant commissioned in 2015.
- First one in Europe with the REACH certificate.



Seville (SP)

- Plant operating since 2017
- Incorporates several improvements over Almeria



Tenerife (SP)

Expected to be operational in 2020

France

*To be announced in Q4 2019 for
start of construction in 2020*
- Focus on Plastic2Plastic

Geleen (NL)

Expected to be built in 2021
- MoU signed with SABIC for
building a large scale plant
- Focus on Plastic2Plastic



Malaysia

Signed: Q2 2019;
- MoU signed with Petronas for
building a large scale plant
- Focus: Plastic2Plastic



Indonesia

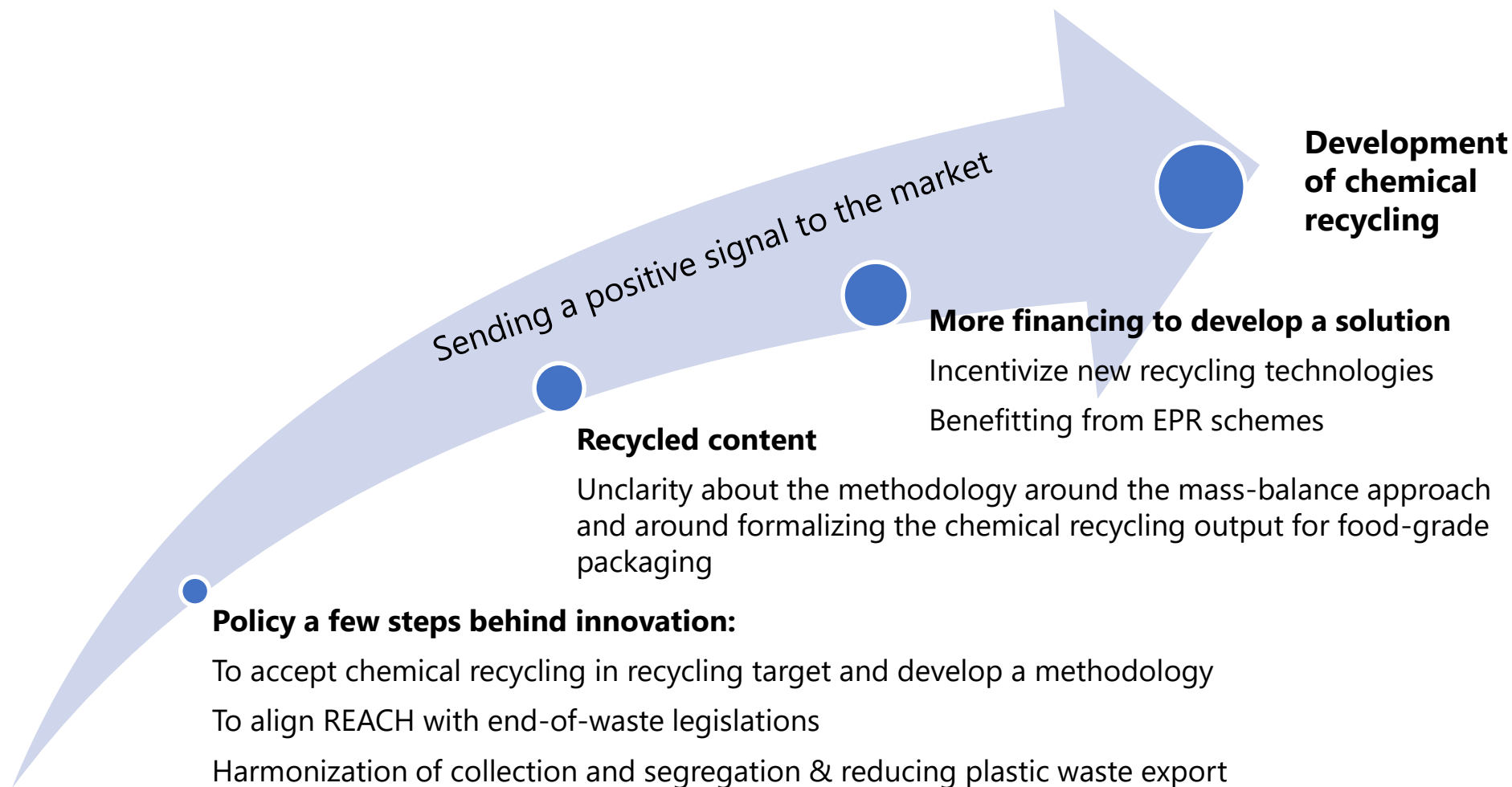
- MoU signed in West Java for the
construction of 5 plants



Jornada de Innovación con Plásticos

And many other projects in the pipeline...

SOME CHALLENGES ON THE WAY TO INNOVATION





www.plasticenergy.com

Contact: info@plasticenergy.com