ABSTRACT:

Plastic Energy: Powering the circular transition with chemical recycling in Europe and beyond

Abstract:
For over a decade, global chemical recycling leader Plastic Energy has been powering the circular transition for plastics and providing a solution to the plastic waste problem. Its cutting-edge chemical recycling TAC™ process transforms difficult-to-recycle plastics into a recycled feedstock (called TACOIL™) which replaces fossil oils in the production of new plastics.

This year the company, began the commissioning of its two joint venture chemical recycling plants in Europe: one with partner SABIC in the Netherlands and another with TotalEnergies in France.

These two milestones mark a turning point for Plastic Energy, and for the industry. The large-scale plants, once operational, will be the first time that Plastic Energy's technology will operate in full integration with an existing petrochemical site.

From pilot scale operations to large-scale chemical recycling plants, Plastic Energy have demonstrated that chemical recycling can be integrated effectively into the plastics value-chain. Through their unique approach, they are helping to propel the shift from a linear to a circular economy - in which plastics are recycled again and again. Now, they're taking the next step forward in their plastics recycling journey to further optimise their technology and expand chemical recycling globally.