BLUEALP
Accelerating Plastic Recycling

Unlocking the shift: Feedstock, Product, Profit

Advanced recycling is a key solution to recycle difficult-to-recycle plastic waste into feedstock for new chemicals, thereby driving plastics-to-plastics circularity.

Europe alone generates approximately 20 million tons of plastic packaging waste each year. The amounts that is currently in the advanced recycling process is less than100 thousand tons. It is clear that both access to feedstock and the recycling technology's ability to handle wide variety of feedstock is critical.

The regulations are evolving where the quality of the product that we make has a huge impact on the claims for circular material and the company's business model. The latest mass balance rules—particularly for steam cracker recycling pathways and liquid inputs using boiling point analysis—are complex, yet logical.

BlueAlp's pyrolysis technology is designed to optimize the final boiling point of the output, ensuring our product fits well within the customer's steam cracker specifications. The benefit is that BlueAlp's process maximizes the recycled yield and content allocation driving stronger asset economics and better sustainability criteria. BlueAlp will dive deeper into - What are the implications for different technology archetypes and pathways, and how we help our customers navigate these complex regulatory changes from sustainability to economics?

Additionally, we will share more about the advancements in scaling BlueAlp's advanced recycling technology, integration synergies, the pivotal regulations shaping the industry, and the opportunity for chemical players, refineries and waste players to unlock new high-value revenue streams while leveraging existing infrastructure.

Talk to us about offtake, an advanced recycling plant with a license with a fixed price or feedstock testing.