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Today, still too little plastic material is being recycled, especially when it comes closed-loop recycling and for addressing more complex waste streams like engineering plastics and thermoplastic composites. Consequently, the vast majority still is being incinerated for energy recovery or landfilled. This is in contradiction to the ambitious targets set by the European Union and defined at national levels towards a fully circular economy.

Why are we not closing the loop? Simply because closed-loop recycling implies very high-quality requirements on the recycled material and its purity.

ReSolved Technologies is a start-up company founded in 2020 and is based in the Netherlands. Our advanced solvent-based recycling technology is complementary to current recycling methods and is capable of a deep purification that other techniques cannot. The ReSolved technology targets complex waste flows for which no proper solution exists today and focuses on engineering plastics, as well as soft-PVC waste. The Resolved technology enables the recovery of the targeted polymer from the incoming plastic feedstock achieving the quality necessary for closed-loop recycling for high-end applications, such as automotive and electronics and electrical products.

The presentation we will explain more about solvent-based recycling. How the ReSolved technology is unique and advantageous to other recycling methods.