

SYNCYCLE® CONVERTS PLASTIC WASTE TO CIRCULAR OIL

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- » Modular design, adaptable capacity
 - » Proven technology in industrial scale
 - » Optimized for decentralized installation
 - » Close the recycling loop for post-consumer and post-industrial plastic waste

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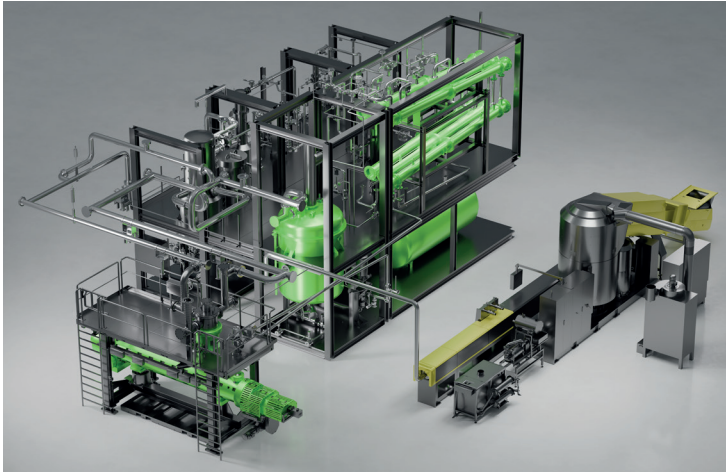
Advancing Chemical Process Development: From concept to scalable solutions.

Chemical recycling enables the on-site conversion of mixed plastic waste into valuable resources through a decentralized, modular system. Shredded plastics are melted and processed in a pyrolysis reactor, where they are broken down into shorter hydrocarbon chains. These are then condensed into high-quality oils that can re-enter the plastics value chain - making chemical recycling efficient, accessible, and fully circular.

**MODULAR
SYSTEM**

**PROVEN
TECHNOLOGY**

**FULL EPC
SERVICE**



About BDI

BDI-BioEnergy International (BDI) is a leading provider of green technology solutions and a market leader in biodiesel plant construction. With patented technologies, BDI converts waste and plastic materials into valuable resources and biofuels. Its modular SynCycle® Technology enables efficient chemical recycling of plastic waste, supporting a sustainable circular economy.