



MAJOR INITIATIVE

# POLYMERS RECYCLING

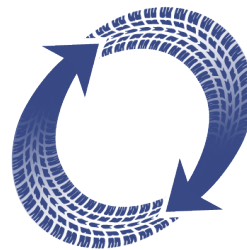


## DEVELOPING ADVANCED TECHNOLOGIES

The REMADE Institute and its members are developing advanced technologies to increase the collection, sorting, separation, and processing of polymer waste to produce usable materials.

## OUR GOALS

- ▶ **TRIPLE** the plastic recycling rate.
- ▶ **INCREASE** the quality of recycled plastics to economically enable their use in highest form value.
- ▶ **DECREASE** process energy and production costs for recycled plastics.
- ▶ **DEVELOP** methods and tools to inform the value chain and enable increased collection, sorting, and use.



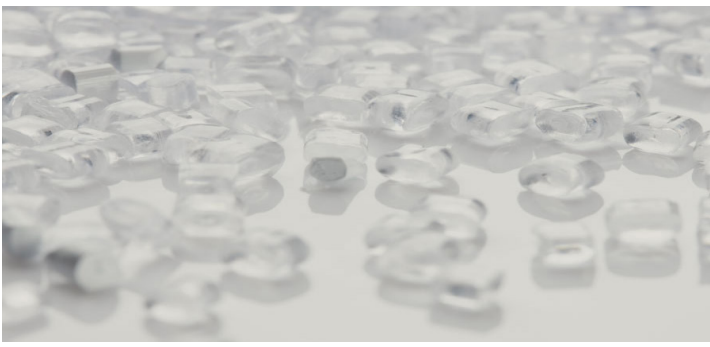
## NEW YORK STATE WASTE TIRE PROGRAM

REMADE is managing multiple research, development and demonstration projects to address waste tires in New York State. Millions of used tires are generated in the Empire State every year, and millions more used tires are stockpiled statewide. The projects seek to develop technologies that increase the use of waste tires and lead to increased markets for used tires.

SCAN TO LEARN MORE  
ABOUT THE INITIATIVE ▶



**SEE A COLLECTION OF  
POLYMERS RECYCLING  
PROJECTS ON BACK**



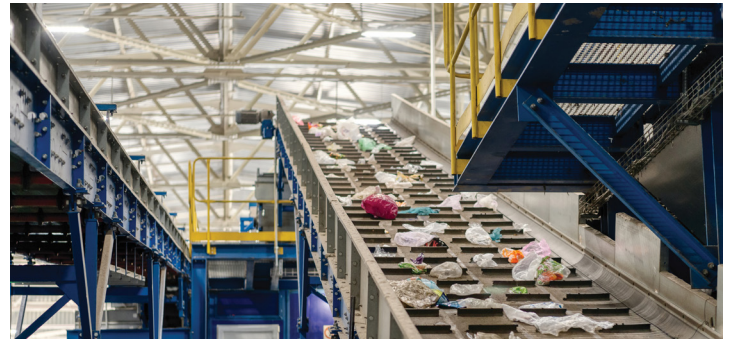
**REMAKING OF RECYCLABLE MULTILAYER BARRIER FILMS**



**LOW RESOURCE AUTONOMOUS WASTE SORTING SYSTEM TO OPTIMIZE SUSTAINABLE COLLECTION**



**SCALABLE HIGH SHEAR CATALYZED DEPOLYMERIZATIONS OF MULTILAYER PLASTIC PACKAGING**



**DETERMINING MATERIAL, ENVIRONMENTAL AND ECONOMIC EFFICIENCY OF SORTING AND RECYCLING MIXED FLEXIBLE PACKAGING AND PLASTIC WRAP**



**DELAMINATION AS KEY ENABLER FOR THE RECYCLING OF POLYMER-BASED MULTILAYER PACKAGING**



**DESIGN FOR RECYCLING: ALL-POLYOLEFINS MULTILAYER FLEXIBLE PACKAGING**



**EDUCATION AND WORKFORCE DEVELOPMENT ON CHEMICAL RECYCLING OF PLASTICS**



**CHEMICAL RECYCLING OF MIXED PET/POLYOLEFIN STREAMS THROUGH SEQUENTIAL PYROLYSIS AND CATALYTIC UPGRADING**



**SEE THE FULL LIST OF MEMBERS & LEARN HOW TO JOIN AT [REMADEINSTITUTE.ORG/REMADE-MEMBERS](https://remadeinstitute.org/remade-members)**