

# IDENTIFYING CUTTING-EDGE PLASTIC RECYCLING TECHNOLOGIES



## A Multinational Energy Company

The Client was a large energy company that develops, constructs, and operates renewable energy power plants and energy storage facilities globally.



## CHALLENGE

The Client engaged PreScouter to help them learn about the landscape of commercial and near-term commercial technologies in plastics recycling such as recovery, sorting, and recycling of plastics, gasification of mixed plastics into products, and novel biological, chemical, thermal, and mechanical solutions.



## APPROACH

PreScouter began by identifying potential technologies of interest by searching through sources such as startup databases, web presentations, white papers, patents, and publications in peer-reviewed journals. The PreScouter team then performed a deep dive into technologies of interest to the Client that included reaching out to the researchers to secure any missing data or information and better understand their current status, progress, goals, and willingness to collaborate with an established player in the field.



## OUTCOME

PreScouter presented 5 deliverables to the Client, including 4 Intelligence Briefs and 1 Summary Report, in which the team identified a total of 42 companies that may be of interest to the Client. In consultation with PreScouter, the Client shortlisted and selected 20 companies to reach out to.

From this research, PreScouter sketched out the treatment landscape and the market concentration and mapped each technology's position in the value chain, with representative companies and applicable plastics.