

The Problem

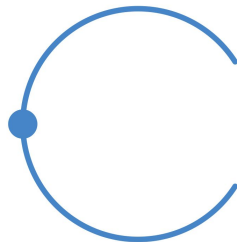
The U.S. manufacturing sector follows a linear model of production, where raw materials are mined, transformed into goods, utilized, and then discarded. With the objective of fully decarbonizing the U.S. economy, the country must establish new, circular supply chains that keep materials in use beyond a single lifecycle.

The Innovation Impact

- Manufacturers gain a reliable supply of critical materials, reducing costs and dependency on raw extraction.
- Recycling facilities maximize recovery and minimize waste.
- Consumers benefit from a circular economy that promotes sustainability, reduces environmental impact, and creates jobs

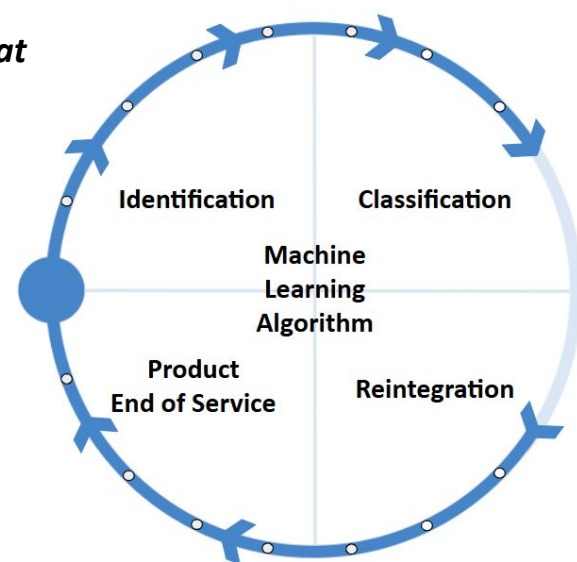
The Solution

Our unique solution uses an adaptive machine learning algorithm to Identify, Classify, and Reintegrate critical resources. By analyzing product data, market indicators, and material yields, our modular approach is effective in any environment.



RDA
RESEARCH. DEVELOP. APPLY.

"Innovation lies at the core of everything we do. It drives our commitment to leveraging innovative solutions to solve the problems of tomorrow, today."



The Team

At Mecca, we believe the future is ignited by ideas. Founded in late 2023, we are a problem-centric engineering firm committed to pioneering innovative solutions that tackle the toughest challenges and set new standards of excellence. Through collaboration, we empower our partners to achieve more