



ASTERA AND CARBON CONVERSION GROUPS INNOVATIVE PLASTIC TO GRAPHENE CONVERSION TECHNOLOGY

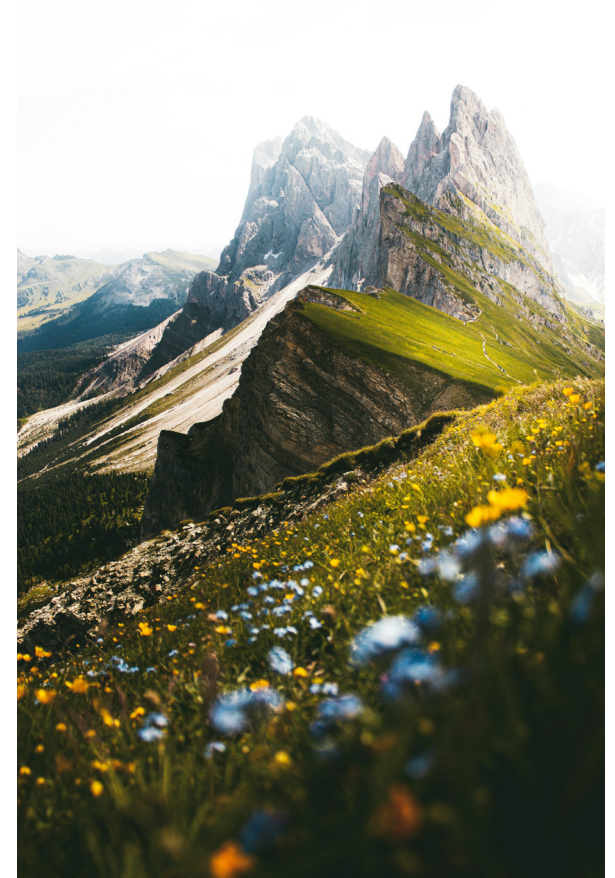
PIONEERING A ZERO-WASTE FUTURE



INTRODUCTION



- ASTERA
 - Based in Long Beach, CA
- Carbon Conversion Group
 - Based in Murfreesboro, TN
- Thank you for the opportunity to present how we are truly transforming the landscape of waste management through our **groundbreaking technology**.
- Our mission is to significantly reduce the environmental impact of plastic waste, turning a critical problem into a portfolio of sustainable opportunities.





THE LIMITATIONS OF CURRENT TECHNOLOGY



- Traditionally the focus has been on single use plastics, and recycling.

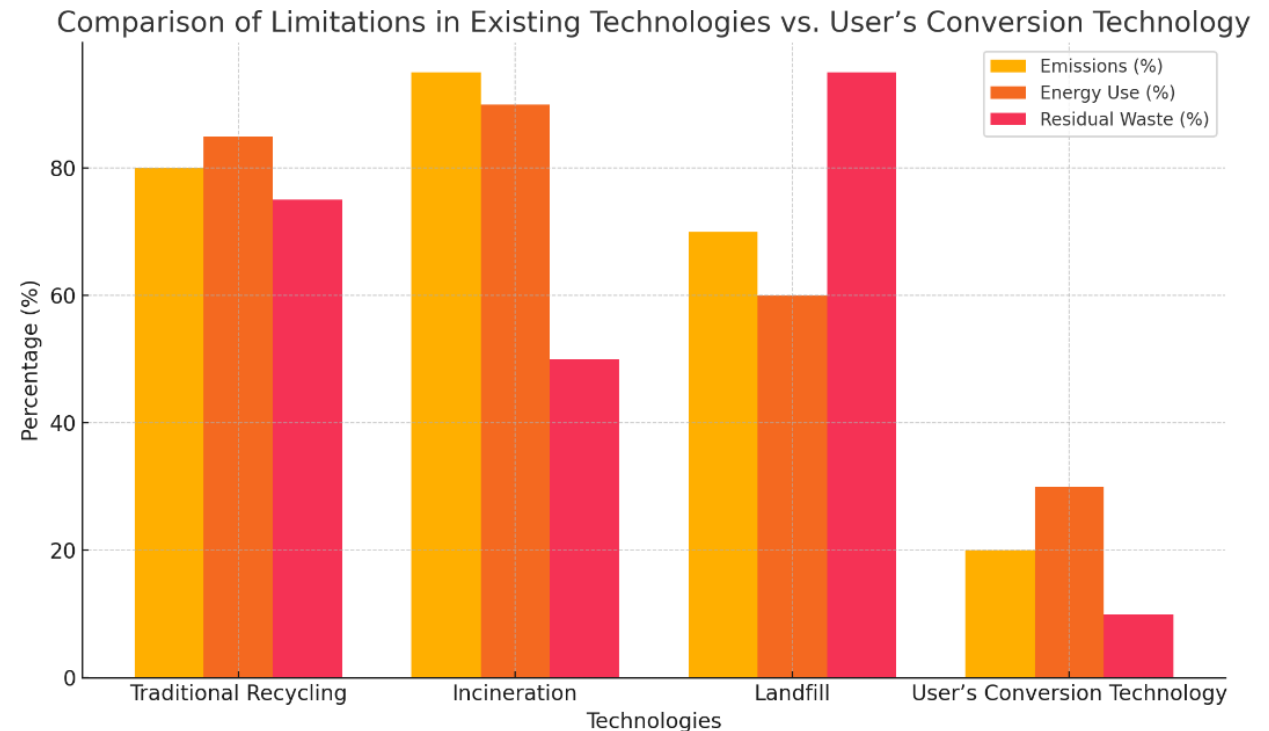
Unfortunately, only 10% of all plastics are recyclable and this only deals with a fraction of the bigger problem, which is never addressed...

Industrial plastic waste.

Examples: excess plastic from the manufacturing process (scraps), plastic wrap used in packaging, even tires.

Current waste conversion technologies often fall short in their environmental impact, primarily focusing on single-use plastics and still sending considerable emissions into the atmosphere and byproducts into the landfills.

OUR APPROACH REDEFINES THESE STANDARDS





ASTERA'S REVOLUTIONARY TECHNOLOGY



- Astera's technology stands apart by converting plastic waste into high-value graphene through a microwave process with Zero Emissions and Zero Waste.

Zero Negative Environmental Impact.
This process not only eliminates landfill contribution but also produces a material with extensive industrial applications.



ENVIRONMENTAL BENEFITS



- The adoption of our technology offers profound environmental benefits, including drastic reductions in greenhouse gas emissions and saving tons of waste from going into the landfills, where it would sit for 1000 years or more.



POTENTIAL FOR LA COUNTY



- For LA County, our technology not only aligns with environmental goals but also presents an opportunity to lead in innovative waste management solutions. It's an ideal fit for the county's sustainability and economic objectives.
- LA has identified other Conversion Technology but there has never been an option like ours, that can:
 - Work with any kind of plastic
 - Is 100% contained – No Emissions, No Waste to Landfill
 - Is as Efficient and cost effective





CALL TO ACTION AND DISCUSSION



- Currently, we are building a facility in Paramount, CA with plans for other possible “Microsites” in the county.
- We invite LA County to collaborate with us in revolutionizing waste management. Let’s discuss how we can tailor our technology to meet your specific needs and make a lasting impact together.





THANK YOU!

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