



Our Businesses



All of our businesses have a focus on being "Good" businesses to the Planet, People & Investors.



Carbotura Zero-Fill

100% Recycling of Wastes to materials



Carbotura Bio-Carbon

Atmospheric Carbon Capture to Bio-Nano Materials,



T₄L

ELectric Vehicle Subscription Company



Hot Planet Repair Team

Planet Repair
Non-Profit for
Planning,
Demonstration,
Proving &
Capitalization



The XO Company

Serverless, Zero-Code Platform that builds Platforms with a 99.9% lower Carbon Footprint







What we do is transformative, for some it can be disturbing and fearful, for others a glimpse of ecstasy and hope.

We are **UNTRASHING** the planet!

This goes against thousands of years of human behavior.

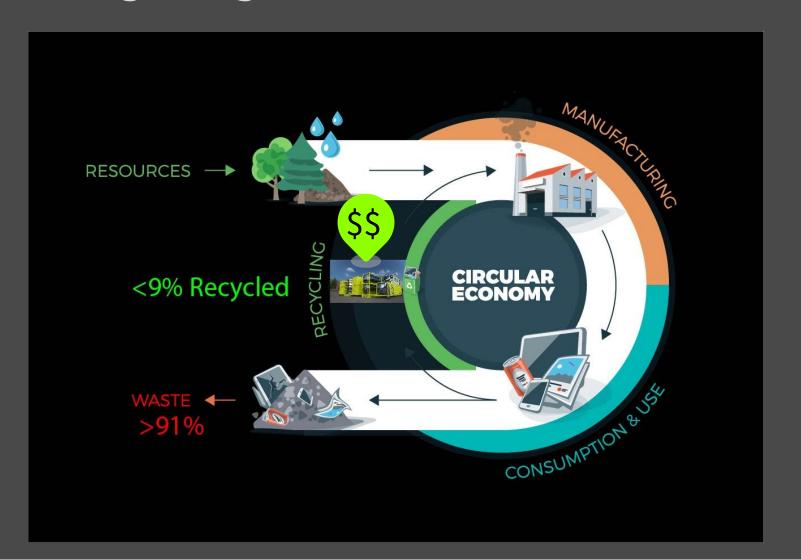
Partner with us to untrash the planet!

Change is difficult.....

Market Data

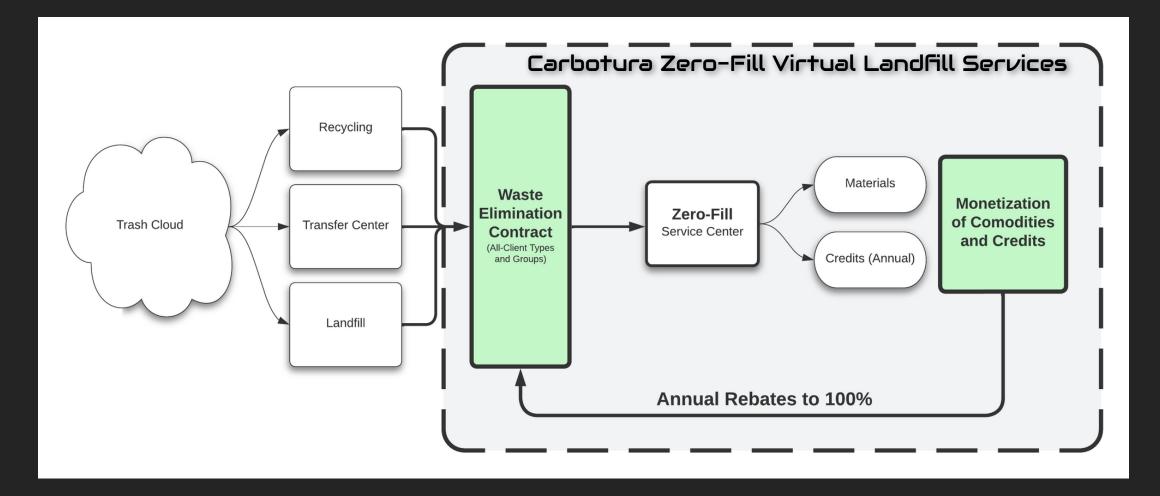
- The waste management industry is a growing industry with a global market size of \$1.3 trillion in 2020.
- The market is expected to grow at a CAGR of 5.5% from 2020 to 2027.
- The growth in the industry is driven by increasing population, urbanization, and industrialization, leading to an increase in waste generation.

Market Driven solution that will own the circularity category solving an age old contamination crisis





A simple approach to integrating with existing systems and partners



- Waste has a direct 4-5% impact on earnings to companies, and is expensive, often comprising 20%–50% of municipal budgets.
- Today, companies mitigate waste, they do not eliminate waste.
- Carbotura immediately converts your profit eroding waste to an earnings increasing machine, reducing costs and improving bottom lines.

Our business model is simple:

- The price is \$65 per ton, any wastes.
- The price can be reduced with our annual rebates to zero.
- Clients are required to guarantee waste and payment over a long-term contract, there is no capital required from the client.





What makes Carbotura standout!

- Zero-Now! Zero-Waste, Zero-Emissions
- 100% Recycling & Diversion from landfills
- Any type of waste, No sorting
- No Combustion of waste, No Emissions
- No Client Capital Required, just good credit
- 100% circularity
- Atmospheric Carbon Capture

O1 How do we do it?

Warning: Technical Information Follows

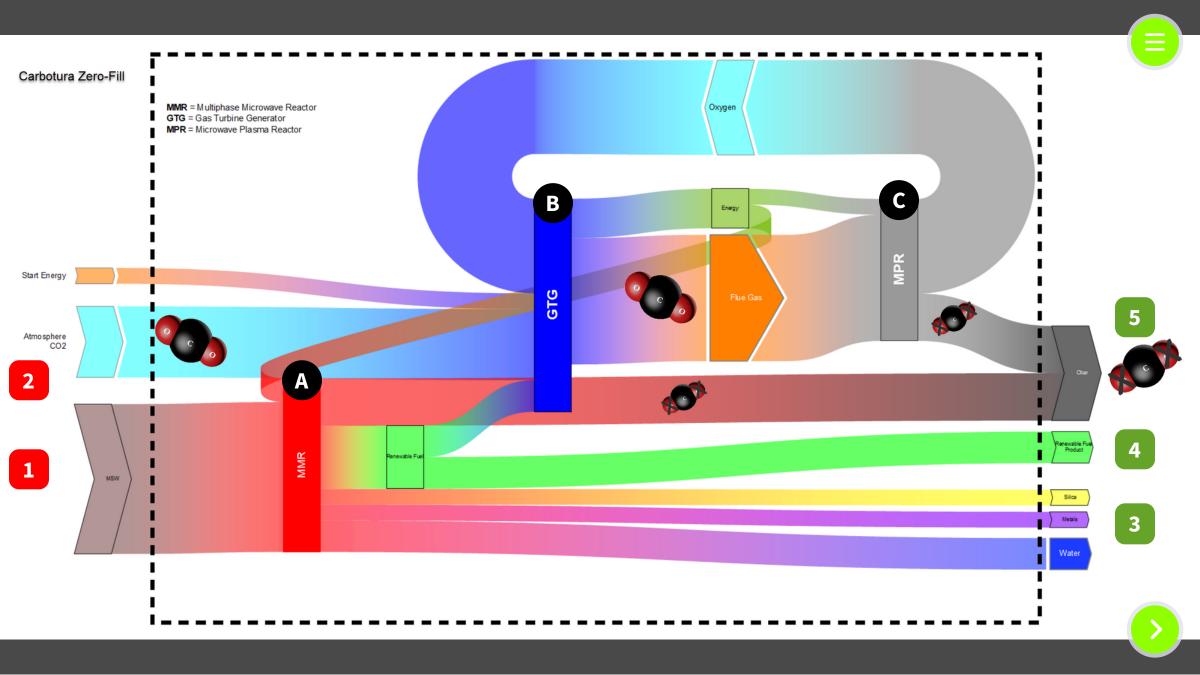


100 TPD MSW Module Shown
Self Contained - Self Powering
Rapid Deployment Containerization

- 1. Multiphase Microwave Reactors
- 2. Microwave Generators
- 3. Materials Recovery
- 4. Fuel Storage
- 5. Zero-Emissions Generator

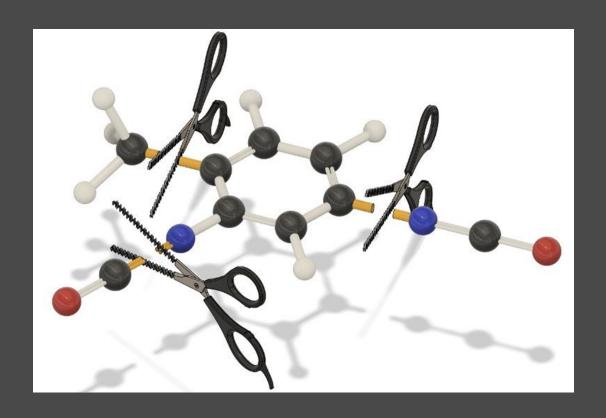


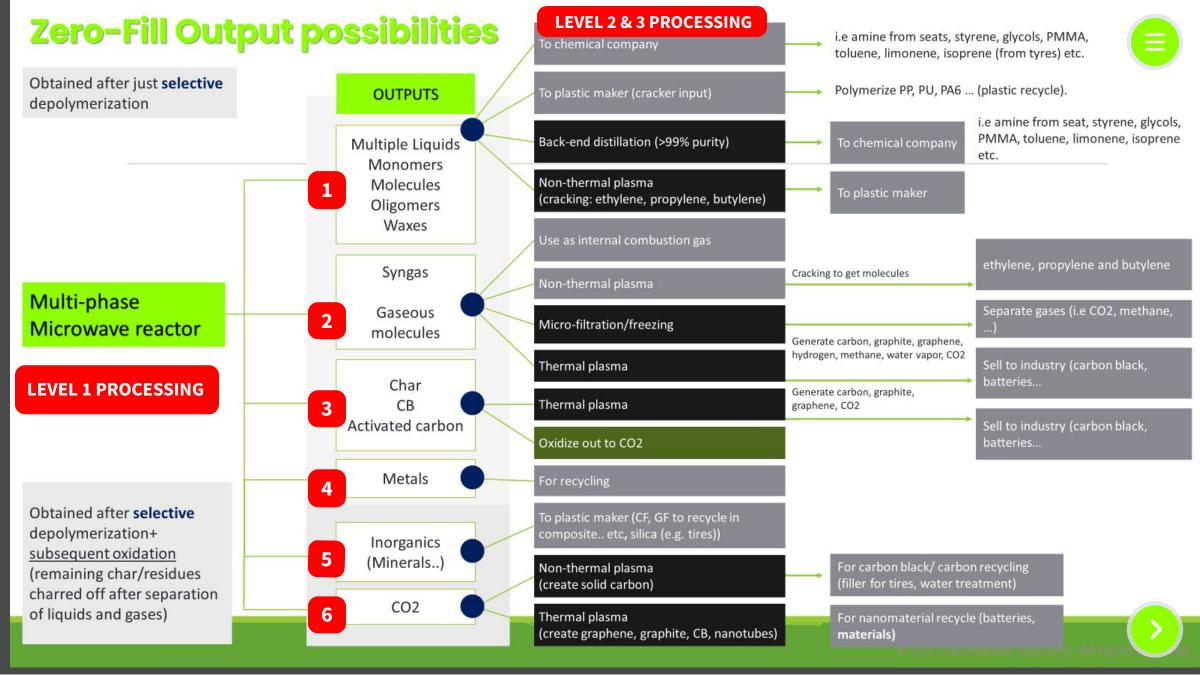
Recyclotron™



Our Process

The primary function of the **Recyclotron** is "molecular debonding". Molecular debonding is where we can selectively cut the bonds that make up specific molecules, thus making new molecules and releasing them from the molecular assemblies they were attached to.







MSW Material Fractions

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Material T	MSW Fraction	Fuel	▼ Oil yield ▼	HHV oil (MJ/kg)
Plastic	28.6%	32.6%	65.9%	42.95
Paper	24.5%	30.0%	47.1%	28.80
Fines	9.6%	12.8%	21.7%	42.95
Textiles	8.8%	10.0%	55.4%	19.30
Wood	6.5%	8.2%	52.0%	24.35
Biowaste	5.0%	0.4%	56.2%	16.90
Rubber	4.8%	2.2%	49.0%	42.50
Metal	4.6%	0.5%	0.0%	-
Glass	3.2%	0.7%	0.0%	-
Stone	2.6%	0.0%	0.0%	-
Foam	1.8%	2.6%	48.6%	39.66
	100.0%	100.0%		33.86



Carbon Material Fractions

	Material	Fraction 🐣	Char yield	Char ▼	Oil	Solids (other)	Gas 🕆
e)	Plastic	28.6%	13%	4%	18.8%	0.0%	3.9%
	Paper	24.5%	36%	9%	11.5%	0.0%	4.1%
nc	Fines	9.6%	11%	4%	2.1%	6.4%	0.4%
a	Textiles	8.8%	31%	3%	4.9%	0.0%	1.2%
a	Wood	6.5%	25%	2%	3.4%	0.0%	1.5%
õ	Biowaste	5.0%	27%	1%	2.8%	0.0%	0.9%
S	Rubber	4.8%	40%	1%	2.4%	1.1%	0.2%
S	Metal	4.6%	-	0%	0.0%	4.6%	0.0%
Ja	Glass	3.2%	-	0%	0.0%	3.2%	0.0%
2	Stone	2.6%	-	0%	0.0%	2.6%	0.0%
	Foam	1.8%	14%	0%	0.9%	0.0%	0.7%
		100.0%		23.2%	46.8%	17.9%	12.9%

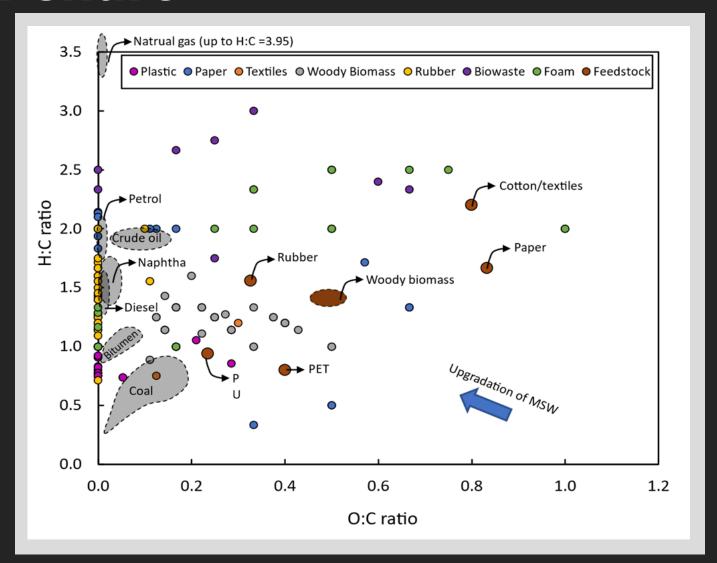
87% Carbon

87% Carbon



Van Krevelon Chart

Detailed Molecular and atomic values from running processes available upon request





Systems used by the following companies





















































The system's most recent applications:

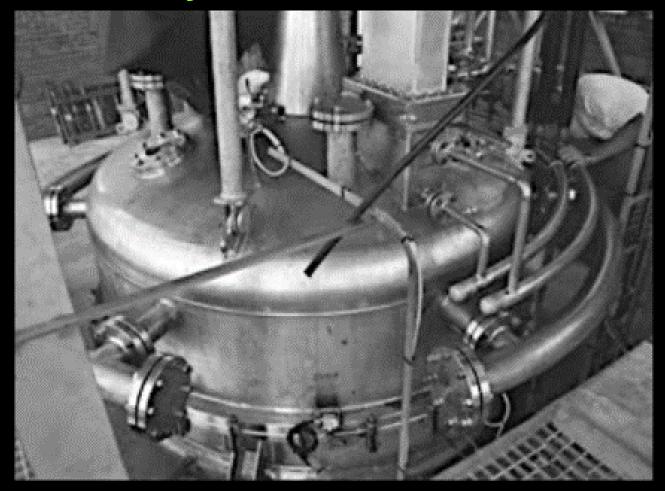
- Sorted and unsorted MSW
- Multiple different glass-fiber composites including wind-turbine blades and insulation panels
- Multiple different types of flooring categories (including vinyl flooring)
- Roof shingles
- Car shredder residues
- Carbon-fiber composites
- Paint waste
- Seats
- Different foams
- Mixed plastics
- PET
- Tires
- Bio & Medical waste
- Rubbers (including silicon rubber, natural rubber)
- Multiple different polystyrene waste streams (including panels)
- PMMA
- EPS
- Biomass (including wood, hemp)
- Labels and films
- C&D: roof shingles, all type of flooring categories including vinyl floorings, foam bases, polystyrene based and glass fiber based insulation panels, paint waste, cables, pipes

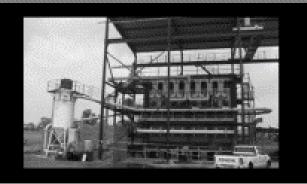






Production Systems



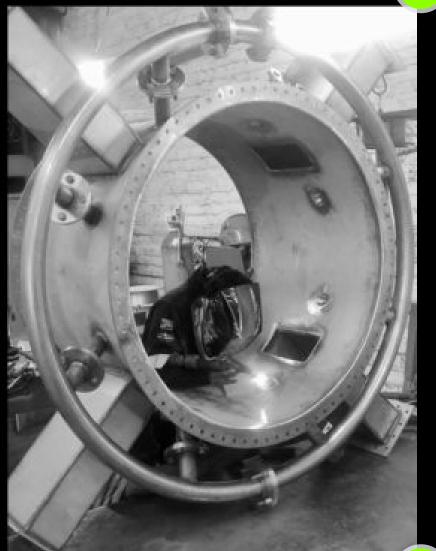


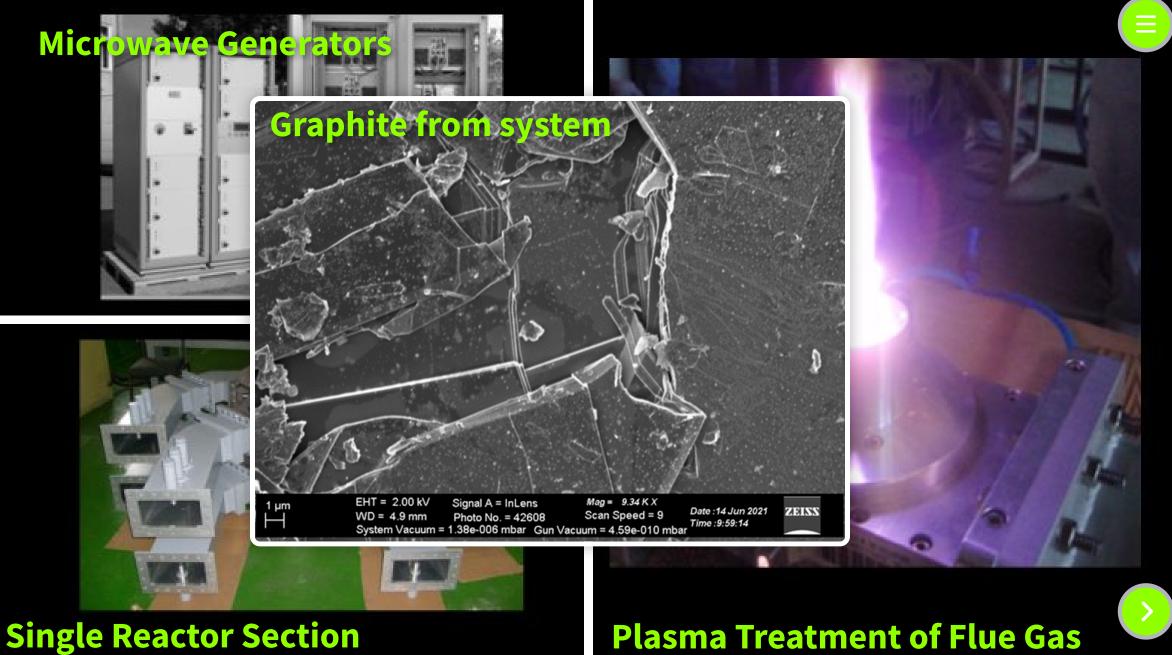




Fabrication of Reactors







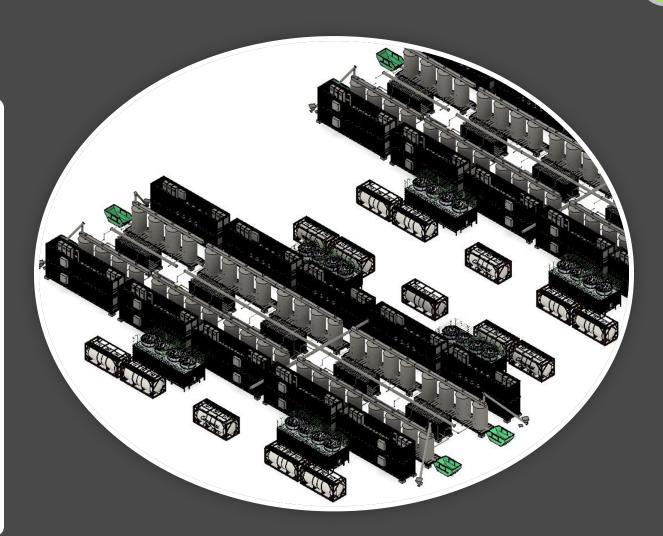
Plasma Treatment of Flue Gas



LARGE SCALE 2,000 TPD

Zero-Fill Facility Metrics

- Lifespan greater than **30+ years**
- Processes **2,000 TPD**
 - 730,000 annual tons
 - 21,900,000 lifetime tons
- Fits in 200' x 200' buildings and equivalent structures (~3 acres)
- Energy Generation Options
 - Each 2000 TPD system can generate
 30MW Excess Capacity Zero
 Emissions
- or; Fuels Options
 - Up to **5,000 GPH** Excess
- Advanced Material Processing Options
 - o Graphite, Graphene



Carbotura

Zero-Fill Generates Monetized Climate Attributes

- Carbon Credits (CORC)
- Renewable Energy Credits (REC)
- Renewable Fuels Credits (RIN)
- Waste Collection Credits (WCC)
- Waste Recycling Credits (WRC)
- IRS 45-Qs



- Selected from 1,000's of companies
- Across 135 countries
- Award was granted 2021

UN SDGs





























LEADERSHIP TEAM















CEO

COO

ALLEN WITTERS JOHN ARCIERO

DAN BRYANT

CLO

TYLER WOOD

ESG

Director Finance

EVAN RICHTER

JONATHAN THOMAS

Senior Advisor

DR. FLORIAN TURK

Circularity Advisor

THYS ROSSOUW Molecular Tech

Advisor



















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- Zero-Now! Zero-Waste, Zero-Emissions
- 100% Recycling
- 100% Diversion from landfills
- Any type of waste
- No sorting
- No Combustion of waste
- No Emissions from processing
- No waste from processing
- No Capital Required
- Can handle large package formats, bales, whole tires, sludge, etc
- Scalable to very large sizes 10,000TPD
- 100% circularity
- Atmospheric Carbon Capture
- Carbon negative operating footprint
- 2-3x more efficient than any other method
- No external power or water required
- Can provide microgrid energy source
- Lowest cost in dollars and to the environment
- Zero-Cost waste elimination goal



Contact

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TBD New spin-offs





Combustion
Engine Exhaust
Treatment to
Zero-Emissions &
Carbon Capture



Large-Scale Lithium Ore Refining

Based on Recyclotron



Ultra Bio-Mass Nano Materials & Fuels Processing



Oil Production Waste Remediation



Hi-Density Bio-Factory for Food Production



Large-Scale
Thermal Storage
&
Solid State
Boilers

Based on Bio-Carbon

Commercialization Required

