Commercialization of Algae Plastics

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MISSION

• A need exists for sustainable, low-cost, bio-based feedstock in the renewable plastics industry.

• ALGIX, is a clean-tech company that produces bioplastics with aquatic feedstocks, such as algae. We utilize aquatic feedstocks produced by wastewater management and aquaculture facilities.

• Our bioplastic technology blends aquatic feedstocks with commercial polymers to reduce cost and dependence on fossil-fuel and food-based feedstocks. Our products further allow our customers to enhance the environmental footprint of their products.
Open Pond Systems with integrated Anaerobic Digestion and Harvesting

Closed Photobioreactor System for Tertiary Water Remediation

Green Oswald Technologies
Advanced Integrated Water Ponds System

Clearas Water Recovery
Advanced Biological Nutrient Removal
AQUACULTURE

- Largest Fish Farm in Caribbean – 300 acres
- Production of Tilapia and Pangasius – 10 Million lbs/year
- Production of Algae Biomass – 20 Million lbs/year
USA Aquaculture

- Operating on 450 acres of Fish Ponds – Dean Wilson Farms
- 90,000 acres of Fish Ponds in Southeastern USA
Algae Harvesting
Feedstock Analysis and Inventory
Algae Polymerization

• SEM Images of bioplastic surface from 100% microalgae compression molded samples
Thermoplastic Conversion

Compounding  Pelletization  Thermoforming
Solaplast Manufacturing Facility
Meridian, Mississippi
Algae Plastic Compounding

Current Capacity: 12 Million pounds per year of Bioresin
Solaplast Product Development

25% ALGAE
Algae Marketplace

- Dry Aquatic Feedstocks - In stock
- Food Grade/ Nutraceutical Grade
- Industrial Grade
- Seaweeds
- Bioproducts
- Academic/R&D Biomass Sourcing
- Algae Community News and Research Reviews