



## The World's First Soil-Nourishing Algae Bags

Algae-based  
Bioplastic



Organic Elements &  
Minerals



60% Less  
Water Usage

87%

Less CO<sub>2</sub>



No Microplastics



Biodegradable



100% Compliance  
with Industry





## SUMMARY

Palgae offers **algae based** alternatives to **single-use** packaging products, that are **100% biodegradable**, **requires zero fresh water** and **zero arable land**; **reducing carbon emissions** through the most powerful **carbon capturing technology**.

## Why We Are Doing This?

Every year, **142 million tonnes** of plastic packaging is produced. Its lifecycle yields **1.8 Gigatonnes of carbon emissions**, equal to **4 billion flights from Istanbul to the United Kingdom**. Despite green initiatives, only 9% of plastic is recycled effectively; the rest is sent to landfills, incinerated, or leaked into the environment.

Every day, the equivalent of **2,000 garbage trucks of plastic** is dumped into our waterways. Plastics break down into **microplastics**, accumulating across marine and land ecosystems, endangering wildlife, **entering our food, air and water**.

Recent studies show this exposure confronts us with serious health issues, from hormone disruption to brain damage. Even **recycling fails**: recycled plastic can leach up to **75 billion particles** into water, magnifying the problem.



# From Ocean Waste To Earth Value

## COMPETITIVE LANDSCAPE

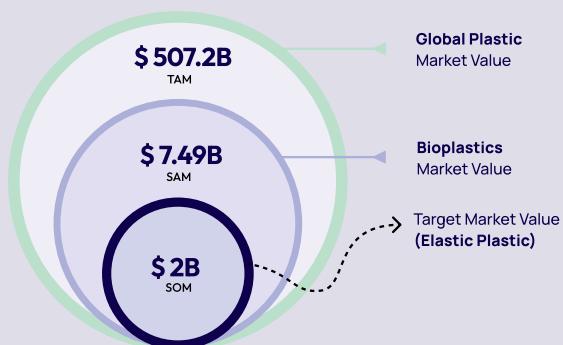
	 algae. B'ZEOS GREEN TECH	 pneuma Media by Algae Data Science	 ALGENESIS	KEELLABS	 Notpla	 SWAY	
<b>Fresh Water Usage</b>	✗	✓	✓	✓	✗	✓	✓
<b>Biodegradable</b>	✓	✓	✗	✗	✓	✓	✓
<b>Upcycling</b>	✓	✗	✗	✗	✗	✗	✗
<b>Fertilizing</b>	✓	✗	✗	✗	✗	✗	✗
<b>Plug &amp; Play</b>	✓	✗	✗	✗	✓	✓	✓

## MARKET SHARE

## REVENUE STREAM

We're offering **materials** and **biomass** to our customers. In 2026, our revenue will rise significantly as we plan to sell over **2 tons of bioplastic** to five customers. We also provide **algae** and **material consultancy** to firms.

2025	2026	2027
1 TON	2 TONS	10 TONS
\$2,465	\$24,780	\$228,980



## PARTNERS & CUSTOMERS

Production	Distributor	Algae Source	Test & Certification	LCA	PoC
 <b>SUNAR NP</b>  <b>NaturePlast</b> <small>Bioplastics Expert</small>	 <b>SOLAGRON</b>	 <b>EASY HARVEST</b>	 <b>U-PORTO</b> <small>FEUP FACULDADE DE ENGENHARIA UNIVERSIDADE DO PORTO</small>	 <b>BGI</b> <small>Sustainable Ventures</small>	 <b>FABER-CASTELL</b> <small>and PM</small>

# GO TO MARKET STRATEGY

## B2B

A 60-ton supply contract will be delivered in modules of 5 tons per month. We supply industrial-grade biopolymer solutions tailored for rigid, flexible, and 3D printing applications, covering the full spectrum of bioplastic needs.

## B2C

Sustainability-focused marketplaces such as EcoEnclose by offering finished products –textile polybags, mailer bags, and flexible packaging—designed for immediate adoption by conscious brands

## Partnership

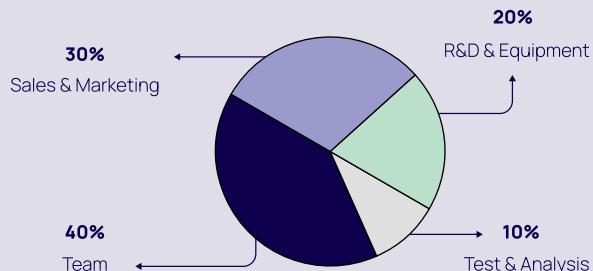
We secure the market through strategic partnerships spanning carbon credit generation, co-development of advanced materials, and the creation of algae-based solutions for cosmetics, food ingredients, and sustainable pigments.

## FUNDING 500K \$

2  
TON

monthly

10  
TONS



### 2024

- Started as a Student Project
- Produced 10 kg of material for **FABER-CASTELL**
- Calculated CO2 foot print
- Spent \$6,000 for R&D

### 2024-2025

- +10 Customer Interviews
- Incorporated
- First laboratory
- Trademark Registration Certificate
- 1 Patent Application
- Signed contract with **SUNAR** Production partner

### 2026

- First 100 kg order
- 2 tons monthly capacity
- 3 LOI's
- TRL- 6 (Customer ready solutions)
- Pre-seed round
- London Branch

### 2027

- Pre-certification tests
- 5 regular customers
- Carbon Credit Certificate
- 2 Patent Filed Expectation
- New Algae product development (cosmetic)
- Seed Round - \$7M Valuation

## TEAM



Eyleş Er  
CEO & Founder



Mohammed Elamir  
Chief Material Officer



Arif Enes Karaca  
Chief Bioplastic Officer



Ali Güzel  
Art Direction

## ADVISORS



Victor A. Robledo  
Business Advisor



Duarte M. Rodrigues  
Investor Advisor



Münir Taşdemir  
Technology Advisor



Derya Çağlar  
Business Advisor



## Address

Nişantaşı Üniversitesi NeoTech Kampüsü  
Maslak, 1453 Cd No:77 D:232, 34398  
Sarıyer/İstanbul

Eyleş ER  
Founder & CEO  
Türkiye  
palgae.earth

