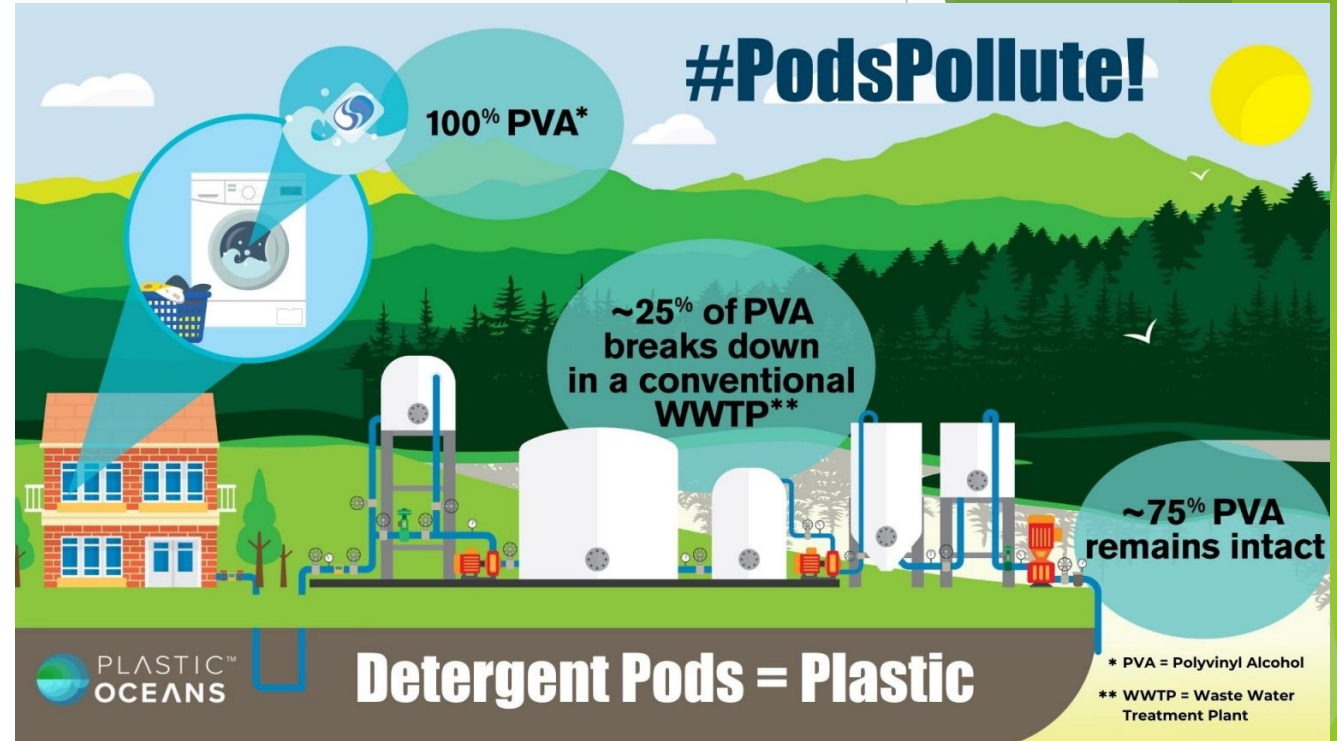


MITERRO

**Precision Fermentation Engineering Biomass Waste
to End Microplastic**

PVA Problems

10% annual growth
in last 10 years



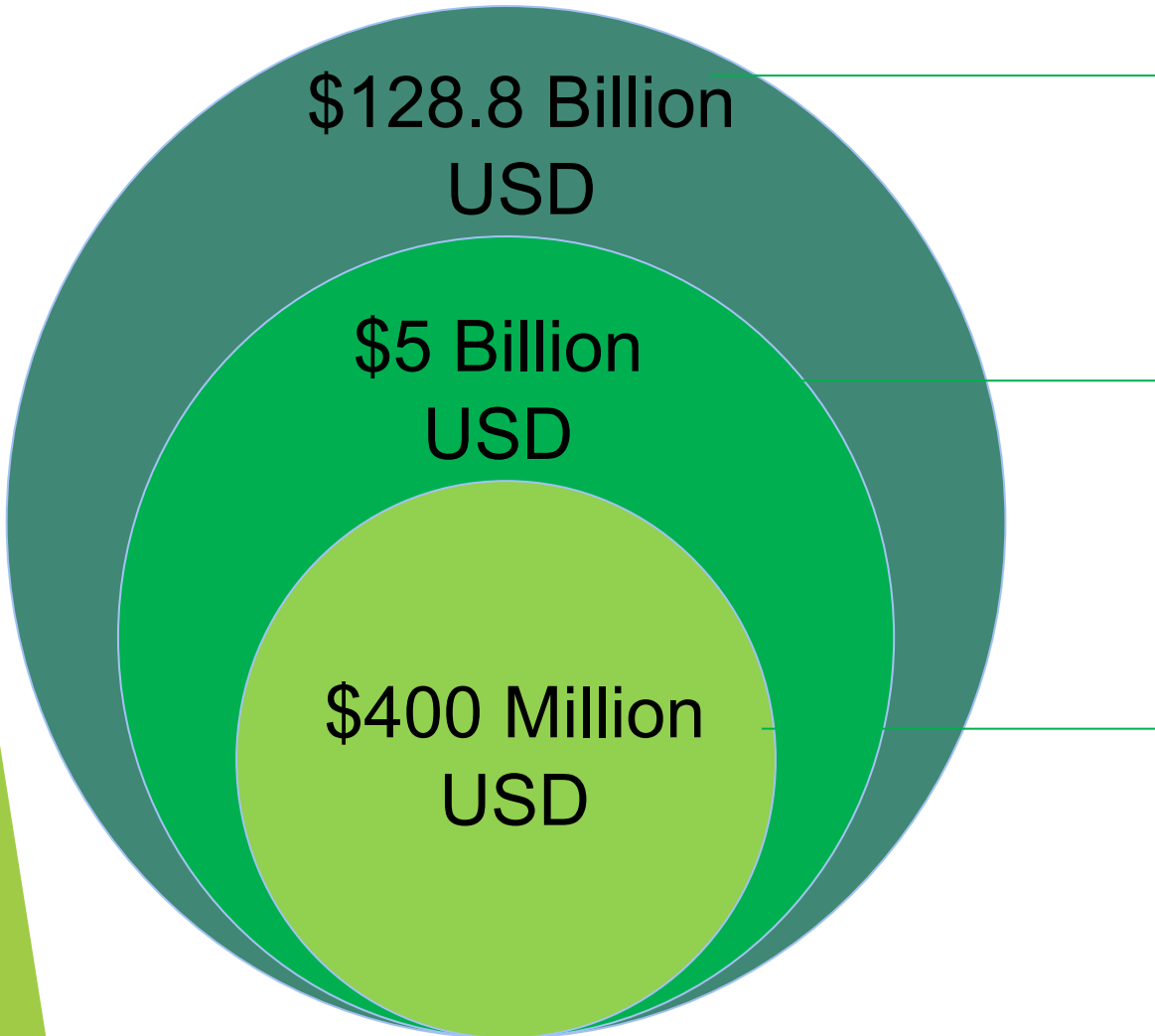
20 Billion

PVA wrapped dishwasher & laundry pods in US annually

5.25 Trillion

Macro & micro plastic pieces in the oceans

Market Size

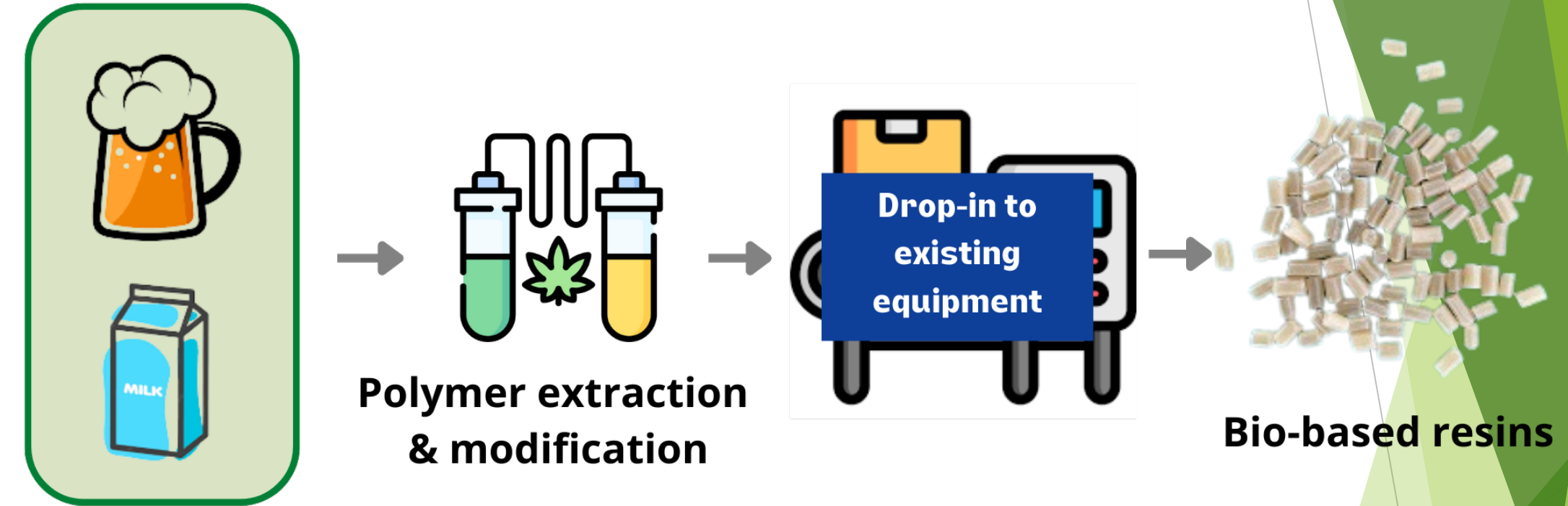


Total Available Market
Global single-use plastic industry

Serviceable Available Market
Global polyvinyl alcohol (PVA) Sales
(2022)

Serviceable Obtainable Market
100,000 tons production
(2030)

Phase 1 Solution



Biomass wastes

**Polymer extraction
& modification**

**Drop-in to
existing
equipment**

Bio-based resins

1 patent granted

4 patents pending

We are the only PVA alternative bio-solution

Adoption

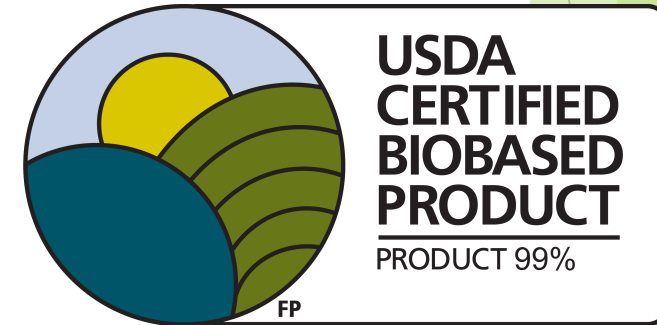
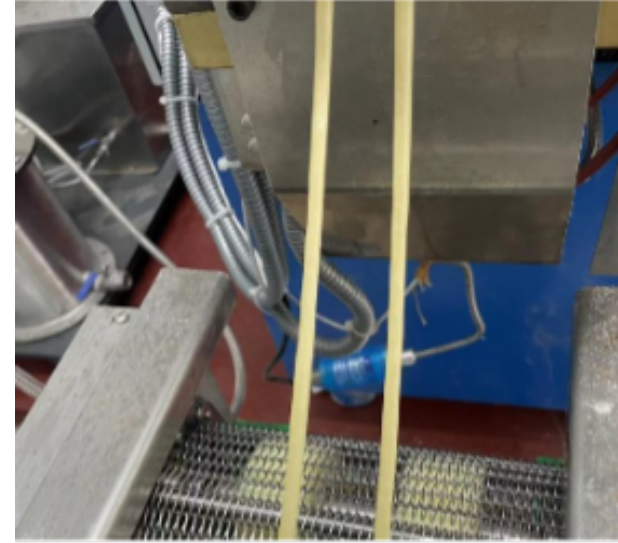
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Twin-screw extruder

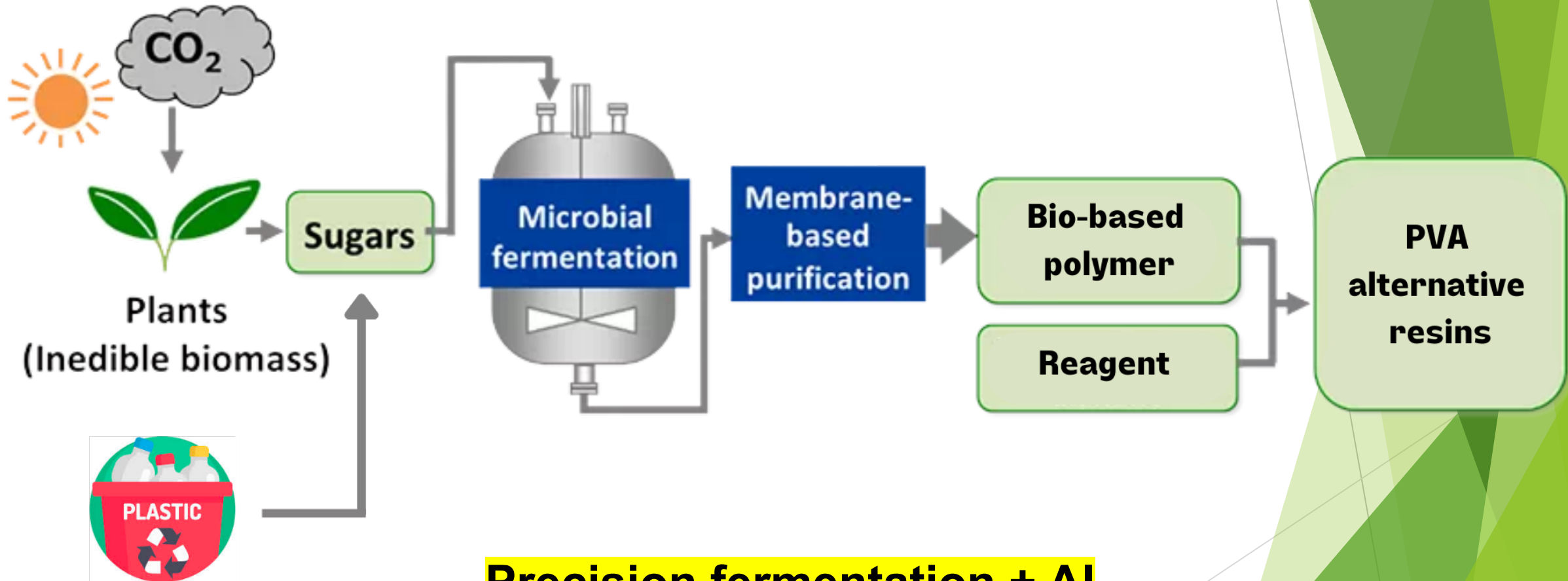


**Protein-based
Bio-resins**



No change required to existing equipment!

Phase 2 Solution



Precision fermentation + AI

Creating new category of hydrophilic biomaterials

Applications



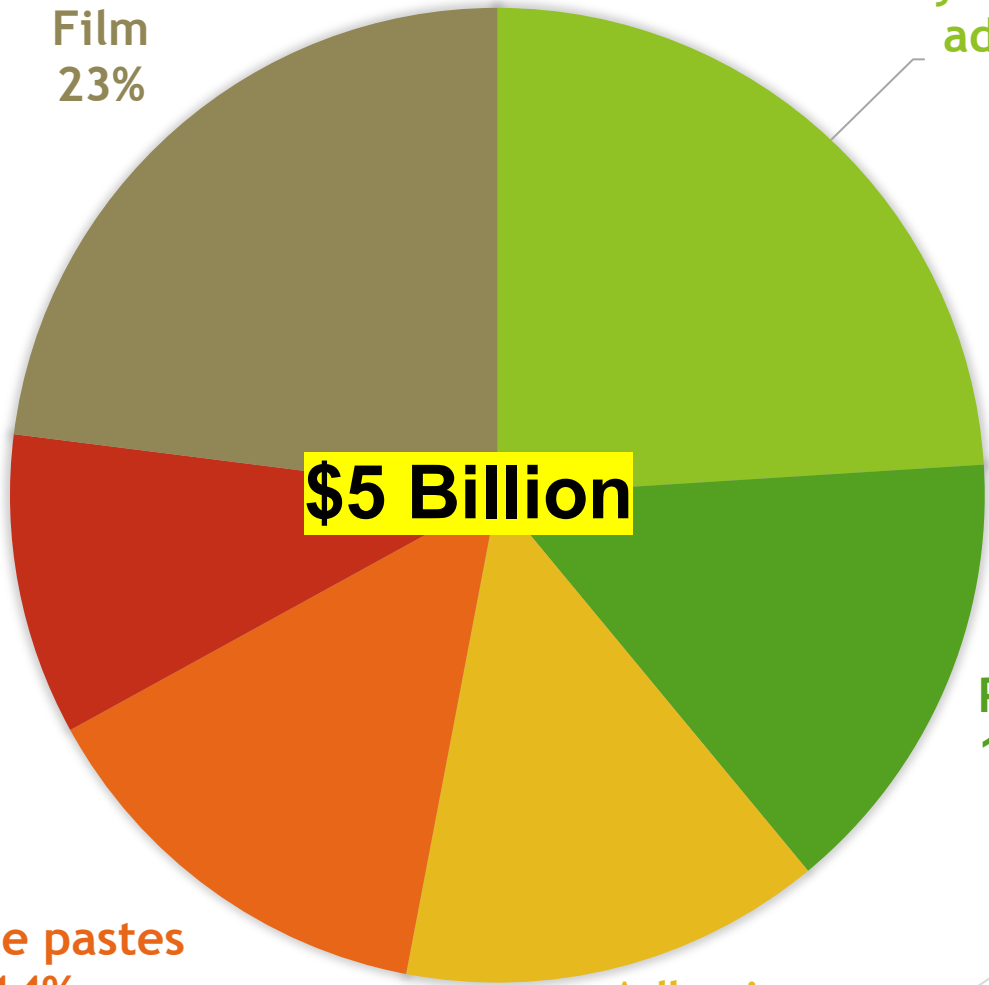
Detergent pod



Agro Chemical Film



Contact Lens



6% CAGR

PVA Substitute

Material	Total (CO ₂ /ton)	Price (USD/ton)	Energy (MJ)	End-life
Mi Terro Pacbeer	38% Less	Commercial: 20-30% Cheaper	28-37% Lower	Fully water- degradable, land compostable
PVA	8.2	\$3000-4000	168	Microplastic residues in water and soil

Clients & Partners

MITERRO



Co-Financed R&D

MI TERRO



MI TERRO[®]



	Mi Terro Pacbeer
Elongation at Break (%)	Satisfied
Tensile Stress (MPa)	Satisfied
Light Transmittance (%)	Satisfied
Compatibility-12 weeks	Satisfied
Thickness (mm)	Satisfied

Team

MI TERRO



Founder/
CEO

Robert Luo

3 startups, 2 successful exits
GreenBiz 30 Under 30
USC Entrepreneur Hall of Fame



Head of
R&D

Bharani Ashokan, Ph.D., MBA

Ex **Firmenich, PepsiCo**
20 years of experience in food science,
protein polymer & polymer chemistry



Protein
Engineer

Kenny Nguyen

Ph.D. candidate of Biochemistry,
Auburn University
Plastic-to-polymer conversion



Advisor

David Breslauer

Co-founder and Chief Technology Officer
at **Bolt Threads**



Advisor

Daniel Bulteel

Head of Social Media Marketing,
TikTok Global



Advisor

Jordan Fengel

Sustainability Manager, U.S. & Canada,
Tetra Pak



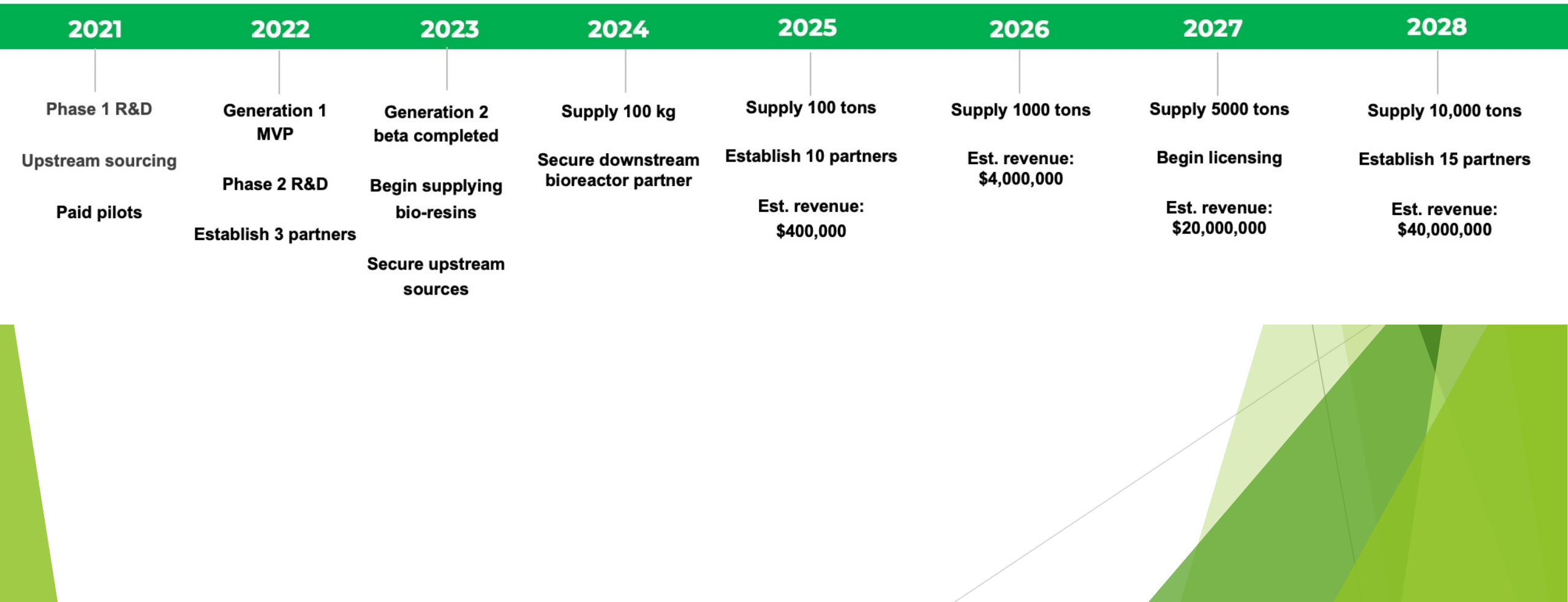
Advisor

Chris Chew

Ex. **Modern Meadow**

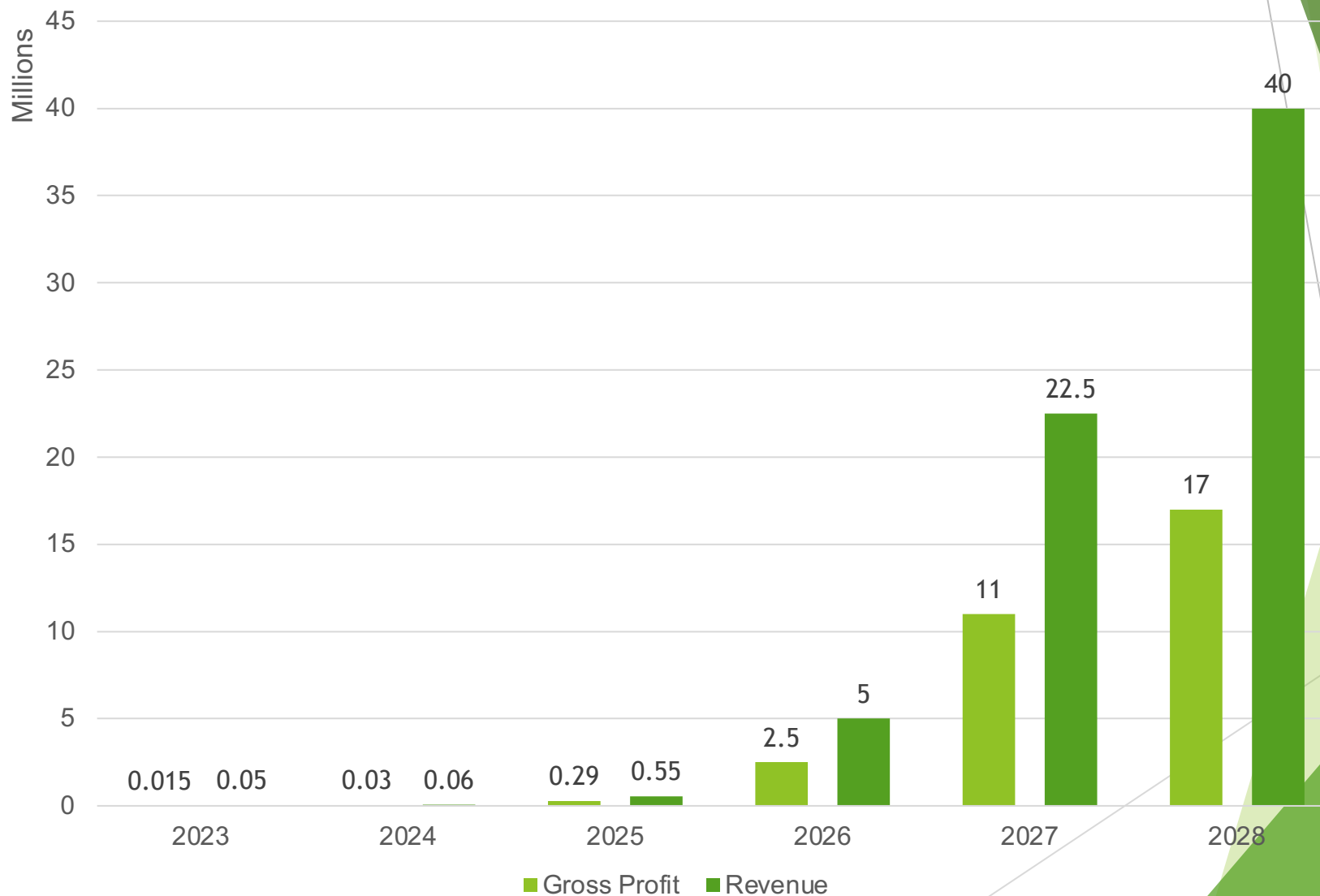
Roadmap

MI TERRO



Financial Projection

MI TERRO



Sustainability

By 2030

- Upcycle 40,000,000 tons of agricultural waste
- Replace 100,000 tons of PVA
- Reduce 101,480,000 tons of total CO₂ emission
- Donate 1% profit to carbon reduction NGO

3 GOOD HEALTH
AND WELL-BEING



6 CLEAN WATER
AND SANITATION



9 INNOVATION AND
INFRASTRUCTURE



11 SUSTAINABLE CITIES
AND COMMUNITIES



12 RESPONSIBLE
CONSUMPTION



13 CLIMATE
ACTION



14 LIFE
BELOW WATER



Golden Age of Biomaterials

Comparing to foodtech, biomaterial has...

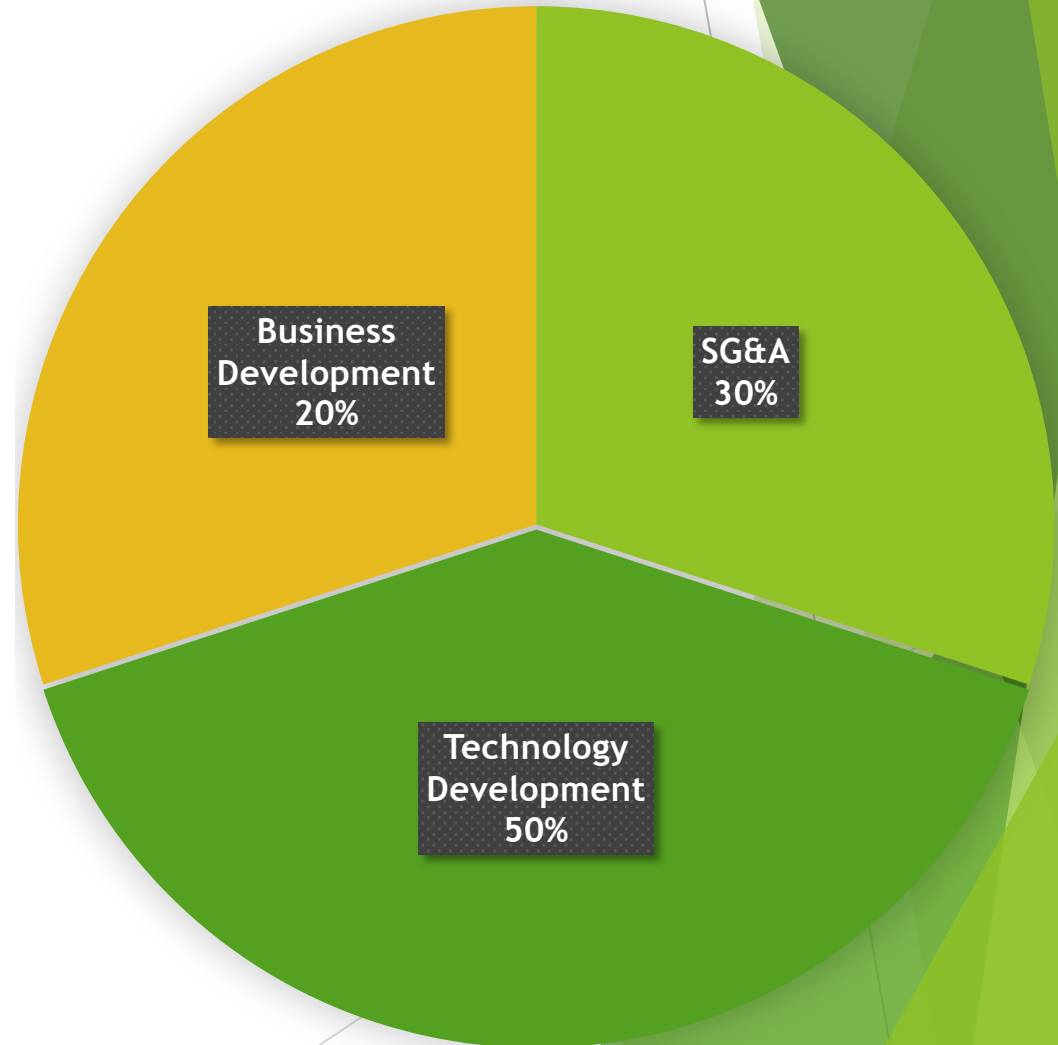
- Simpler route to market
- Less regulation
- More segmented market with higher paying customers

**Don't be surprised if the next foodtech company comes
from the materials space!**

Seed

\$2,000,000 USD

\$1,000,000 funded by Astanor



MI TERRRO

Drink more beer, reduce more microplastic



@miterro



robert.luo@miterro.com



www.miterro.com