

“

If plastic is  
such a problem today...  
why did the world

**embrace it**

so aggressively  
over the past

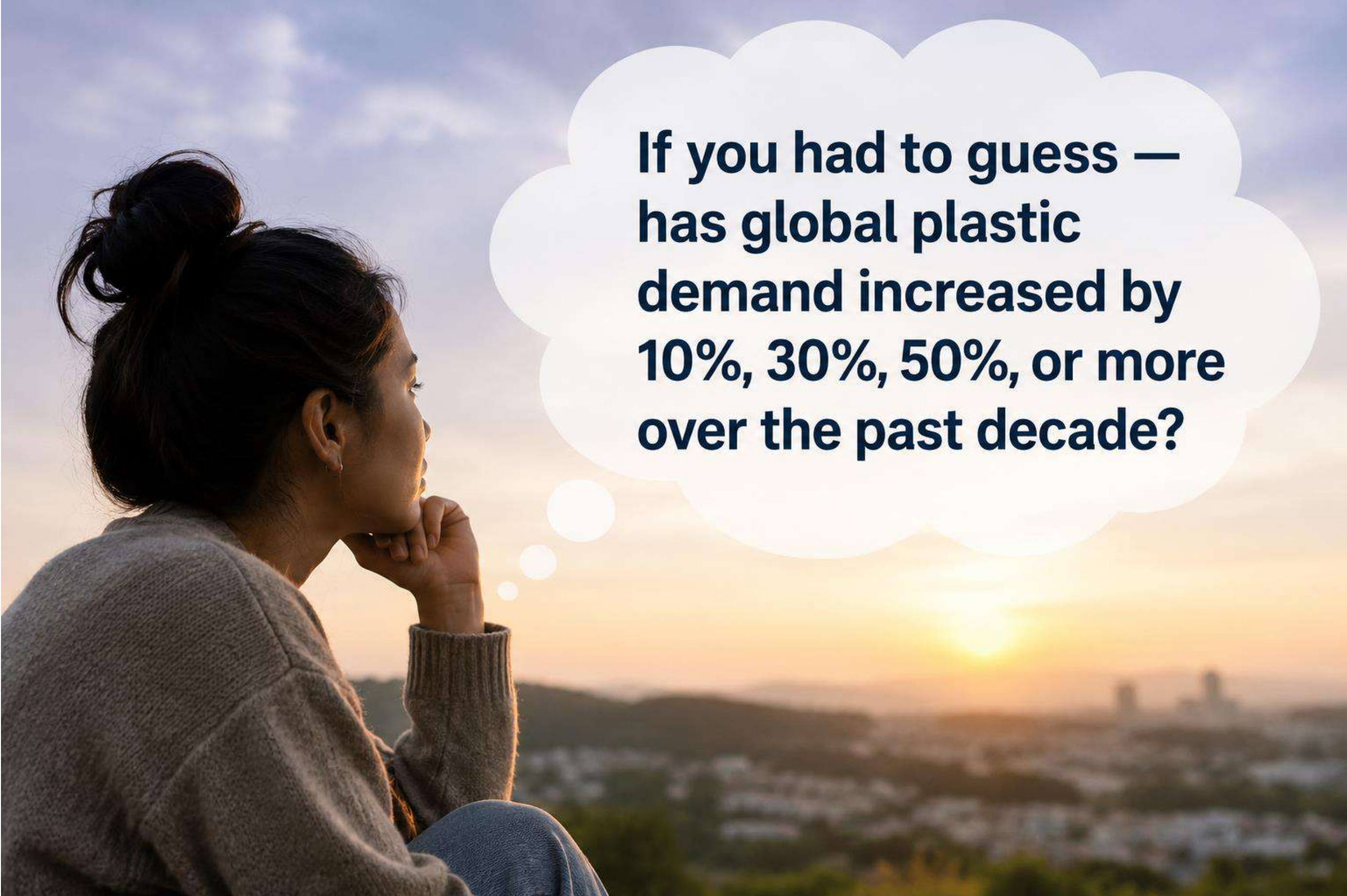
**70** years?

”

*The Wonder Material*  
**PLASTICS**

- ✓ Uses Less Energy to Produce
- ✓ Strong • Lightweight • Durable
- ✓ Protects • Preserves • Performs
- ✓ Ideal for Packaging, Transport & Food Safe Products





**If you had to guess —  
has global plastic  
demand increased by  
10%, 30%, 50%, or more  
over the past decade?**

What if I told you  
the world is  
expected to  
consume an  
additional  
**150–250**  
million tons  
of plastics within  
the next decade?





## RECYCLE SYSTEMS

Building collection, sorting and reprocessing infrastructure to keep plastic in the loop and out of the environment.



## LIGHTWEIGHTING

Using less material through smarter design and advanced technologies to reduce resource use and emissions.



## UPCYCLE

Transforming waste plastic into higher-value, beautiful products that give materials a new life.



## DESIGN FOR SECONDARY USE

Designing products and packaging to be durable, refillable, repairable and easy to reuse.



## KEEP IT CLEAN

Preventing plastic pollution through clean-ups, responsible disposal and behavior change.



# If plastic demand is continuing to rise globally... what is the world actually doing about the environmental consequences?



Solutions exist. Impact depends on all of us.  
**Reduce. Reuse. Recycle. Rethink.**



POLICY



INNOVATION



COLLABORATION



ACCOUNTABILITY

***Reducing unnecessary plastics***  
***Building circular recycling systems***  
***Designing better plastics***

.....

***Accepting an uncomfortable reality***

***Even the best circular systems leak ...***



***“The world is not only trying to build a circular economy...  
it is also searching for solutions for the plastics that escape the system.”***

# A CLEAN WORLD A BRIGHT TOMORROW

An Inheritance for Our Children



## PRE-USE

- Reduce
- Lightweight
- Renewable Feedstocks



## USE PHASE

- Reuse
- Refill



## POST-USE

- Mechanical Recycle
- Chemical Recycle
- Upcycle



## SYSTEM ENABLERS

- Collection
- Design for Recycle
- Consumer Behaviour



Circular  
by Design



Responsible  
Solutions



Collaborative  
Action



Better for People,  
Better for Planet



A Sustainable Legacy  
for Future Generations

***“The future may not be one single solution.  
It may require layered solutions — reduction where possible,  
recycling where practical, and responsible biodegradation  
where plastic escapes beyond human control.”***





P-Life<sup>®</sup>

Non P-Life

Polymer & Masterbatch

Convertor

Packer / Brand-Owner

Retail

Consumer

Waste Collector / Picker

Recycler

Non-Food Stream

Environment

> 70% Pollution

P-Life

Polymer & Masterbatch

Convertor

Packer / Brand-Owner

Retail

Consumer

Waste Collector / Picker

Recycler

Non-Food Stream

Environment

Cleans

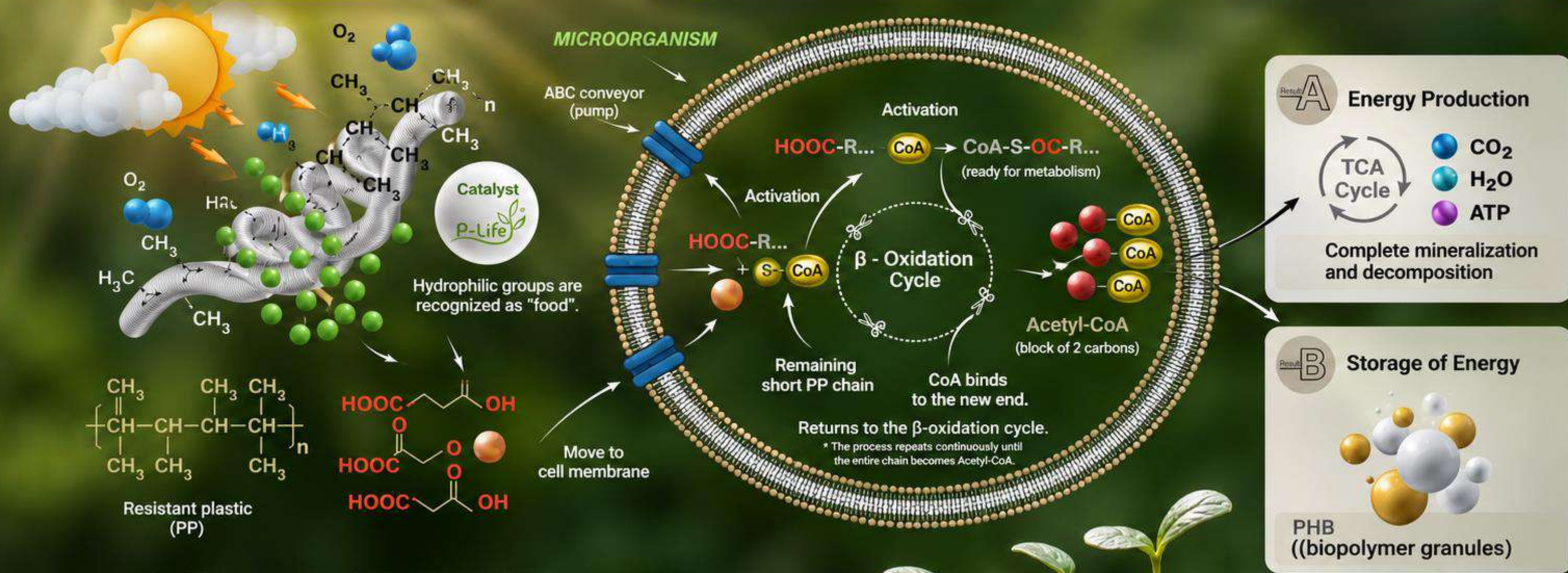


# Overview of the PP degradation mechanism by P-Life

**Phase 1**  
Oxidative degradation in the environment (abiotic process)

**Phases 2 & 3**  
Absorption and oxidation by the cell (biological process)

**Phase 4**  
End use (mineralization or storage)



<https://youtu.be/fJu34i15fh0?si=g8ZMuaVLR11AyhNg>

P-Life®





**P-Life**

IF ALL COMPANIES AND INDUSTRIES USED P-LIFE IN THE MANUFACTURE OF PLASTICS, THERE WOULD BE NO POLLUTION

# TINY ADDITIVE, BIG IMPACT!



P LIFE ADDITIVE BIODEGRADABLE	COMPOSTABLE
ASTM Standard D6954 - SPCR 141	ASTM Standard D6400 and EN 13432
Can be recycled	Cannot be recycled
Reverse Logistics Does not contaminate normal plastic	Specific Reverse Logistics Contaminates the plastic normal
No composter needed	Can't use a homemade composter
No need to tamper with the machinery	The machine needs adjusting
Biodegradable in the environment	Biodegradable only at the composting plant
Low Cost	High Cost
99/1 - Only 1%	1/1 - 100% of the material



# P-LIFE MAKES PLASTICS BIODEGRADABLE



**P-LIFE'S PATENTED ADDITIVE TURNS REGULAR PLASTICS INTO BIODEGRADABLE MATERIALS WITHOUT ALTERING THEIR PHYSICAL PROPERTIES.**

CONTACT US: +52 1 33 3841 6195



# TESTED & CERTIFIED WORLDWIDE



**FDA APPROVED – SAFE FOR FOOD CONTACT**   
**SGS & SP CERTIFICATES – FULL BIODEGRADABILITY**   
**LAB TESTS PROVE NO MICROPLASTIC RESIDUES** 

CONTACT US: +52 1 33 3841 6195

