



 **COLIPI**

CLIMATE OIL®

COLIPI

Intro

Scientists Turned Business Growers



MS. MAX WEBERS
CEO / BD

Business & project manager with SME & corporate track record
Responsible for venture funding, marketing & sales, strategy



DR. CAND. JONAS HEUER
COO

Grant project manager with scientific & cosmetics experience
Responsible for grant funding, finance & operations



DR. PHILIPP ARBTER
CSO

COLIPI's initiator with a 12-years track record with microbial oils
Responsible for leading liquid fermentation, TEAs, LCAs

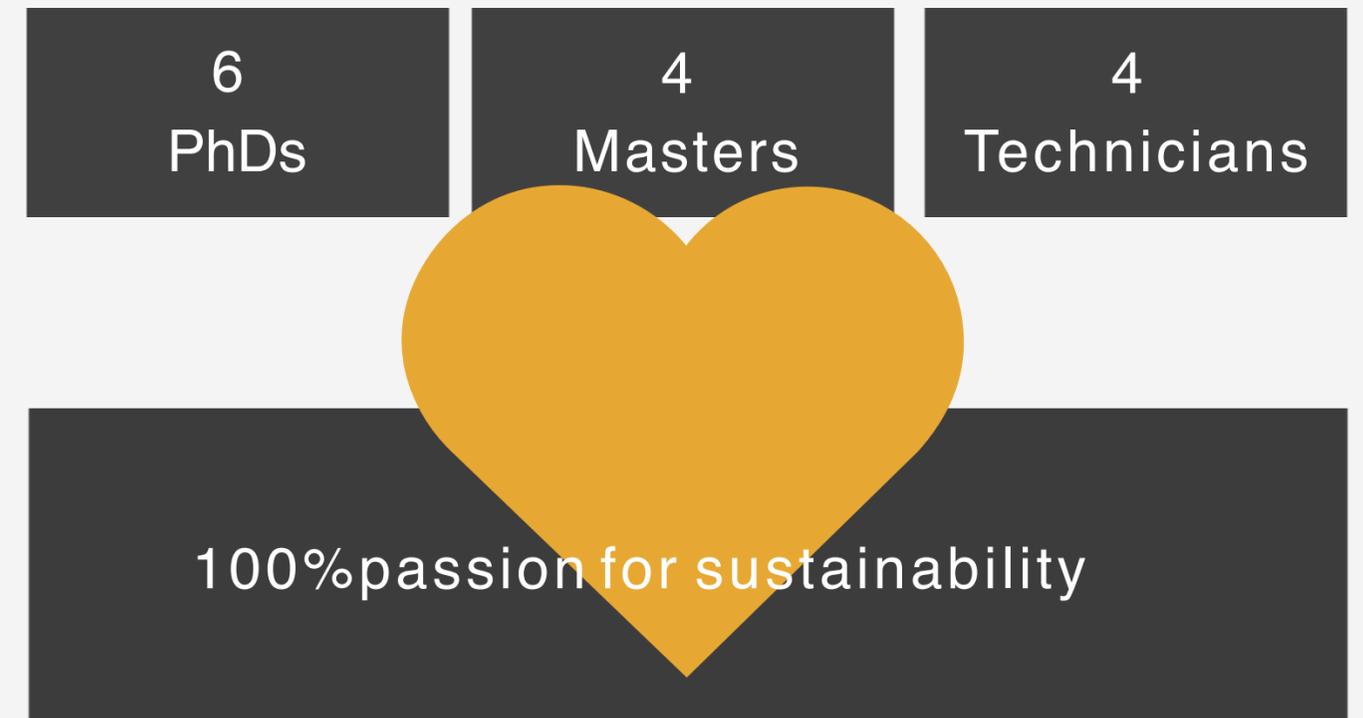


DR. TYLL UTESCH
CTO

Lead creator of our bioprocess patents
Responsible for leading gas fermentation team & IP strategy



Vision: Fermenting Renewable Carbon For Generational Life Quality

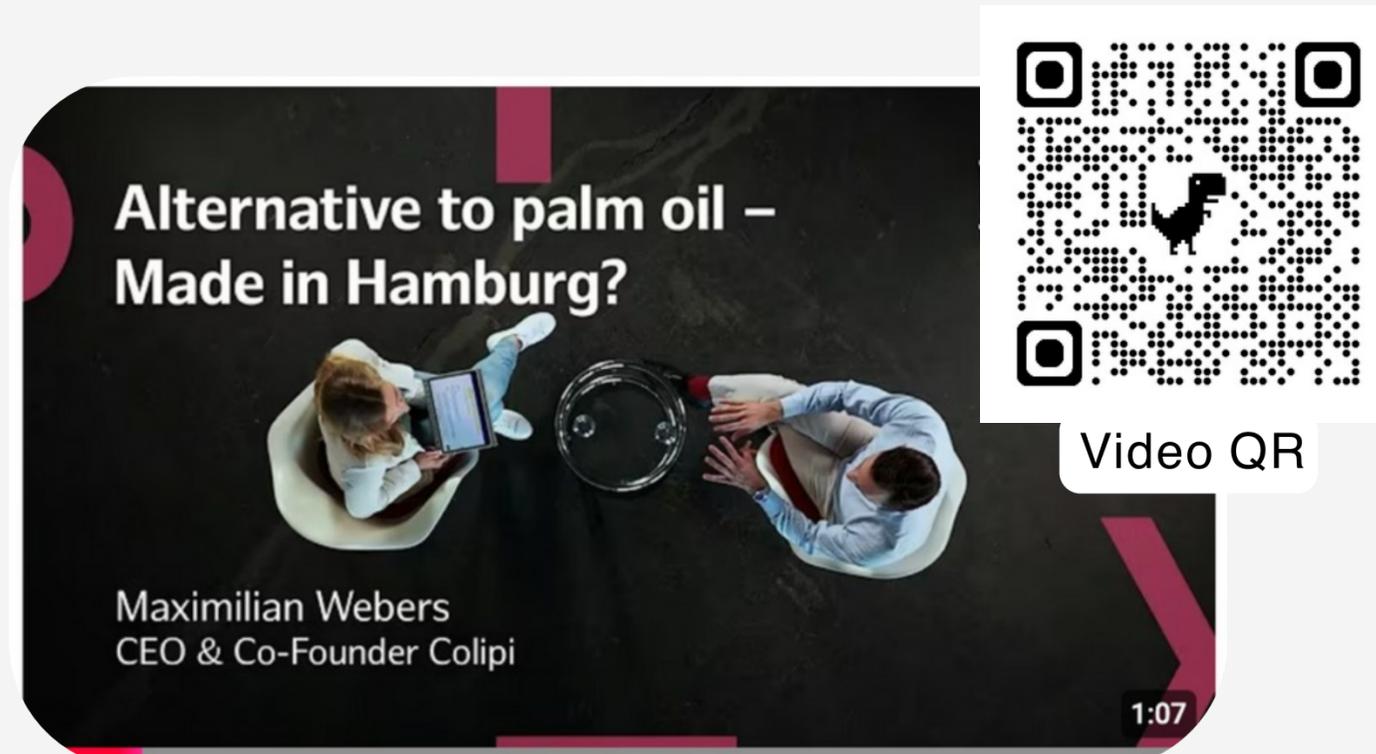


Widely **Recognized** Technology



Features

FUTUREHAMBURGTALKS x Maximilian Webers x Startup Colipi



Selected Award



Renewable Materials Conference 2023
Renewable material of the year 2nd place

Selected Investor



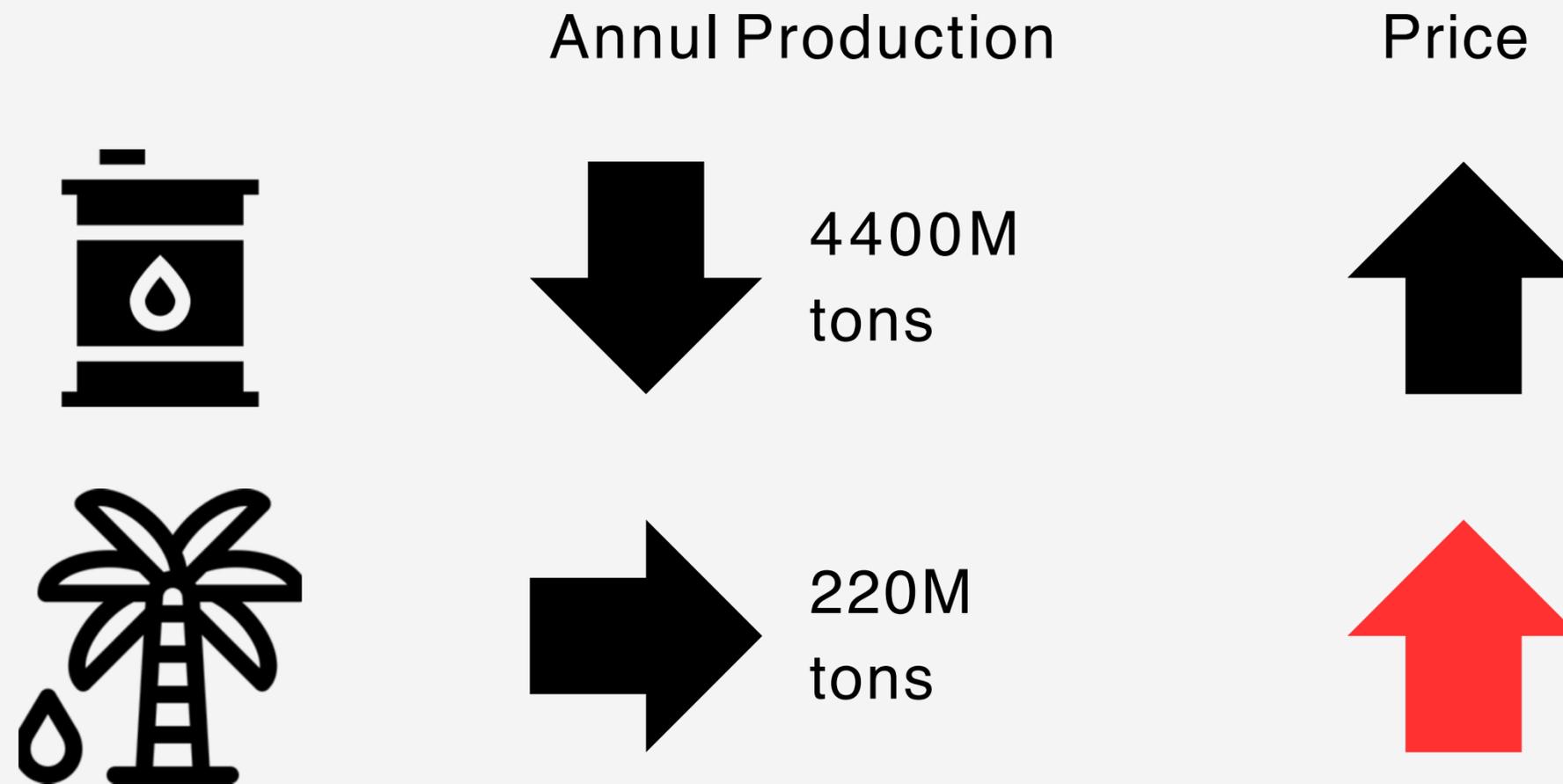
This forgotten technology could solve the world's palm oil problem



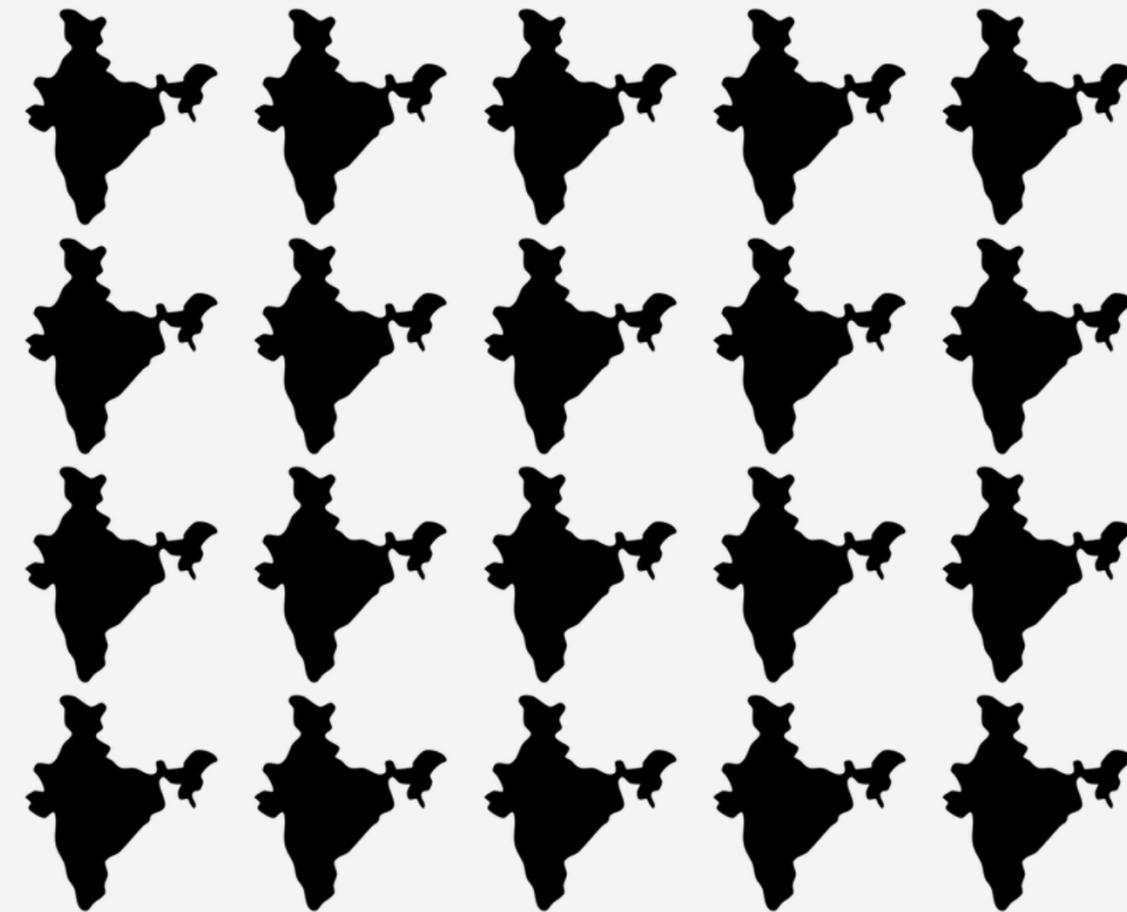
Palm oil alternative: Yeast oil under the microscope

Challenge

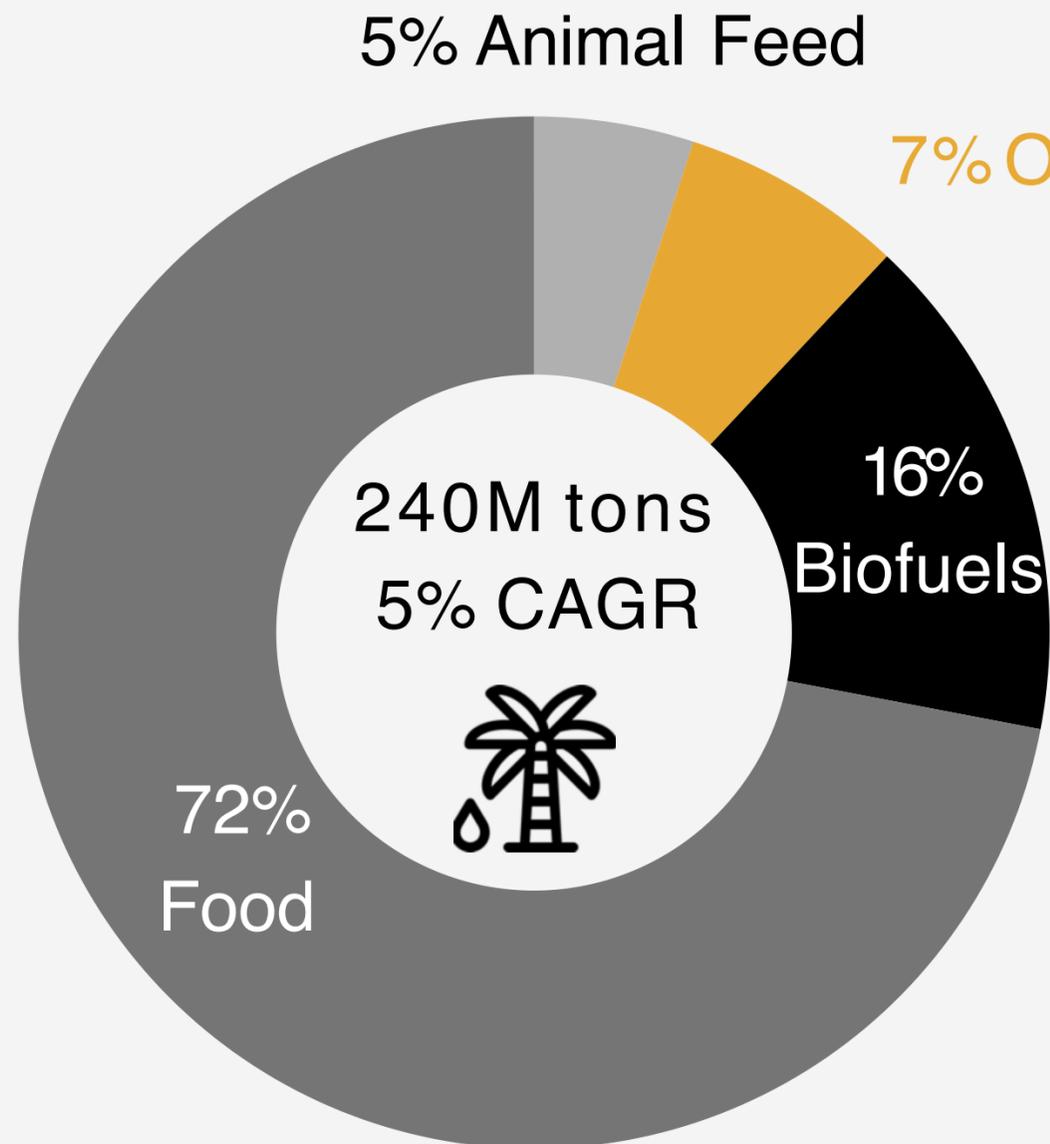
Veggie Oil Prices Hike When Fossil Is Phased Down



It Took 20x The Space Of India To Replace Fossil With Veggie Oil



FMCGs Depend On A \$300bn Veggie Oil Market



7% Oleochemical → Cosmetics Beachhead Market

L'ORÉAL **Beiersdorf**

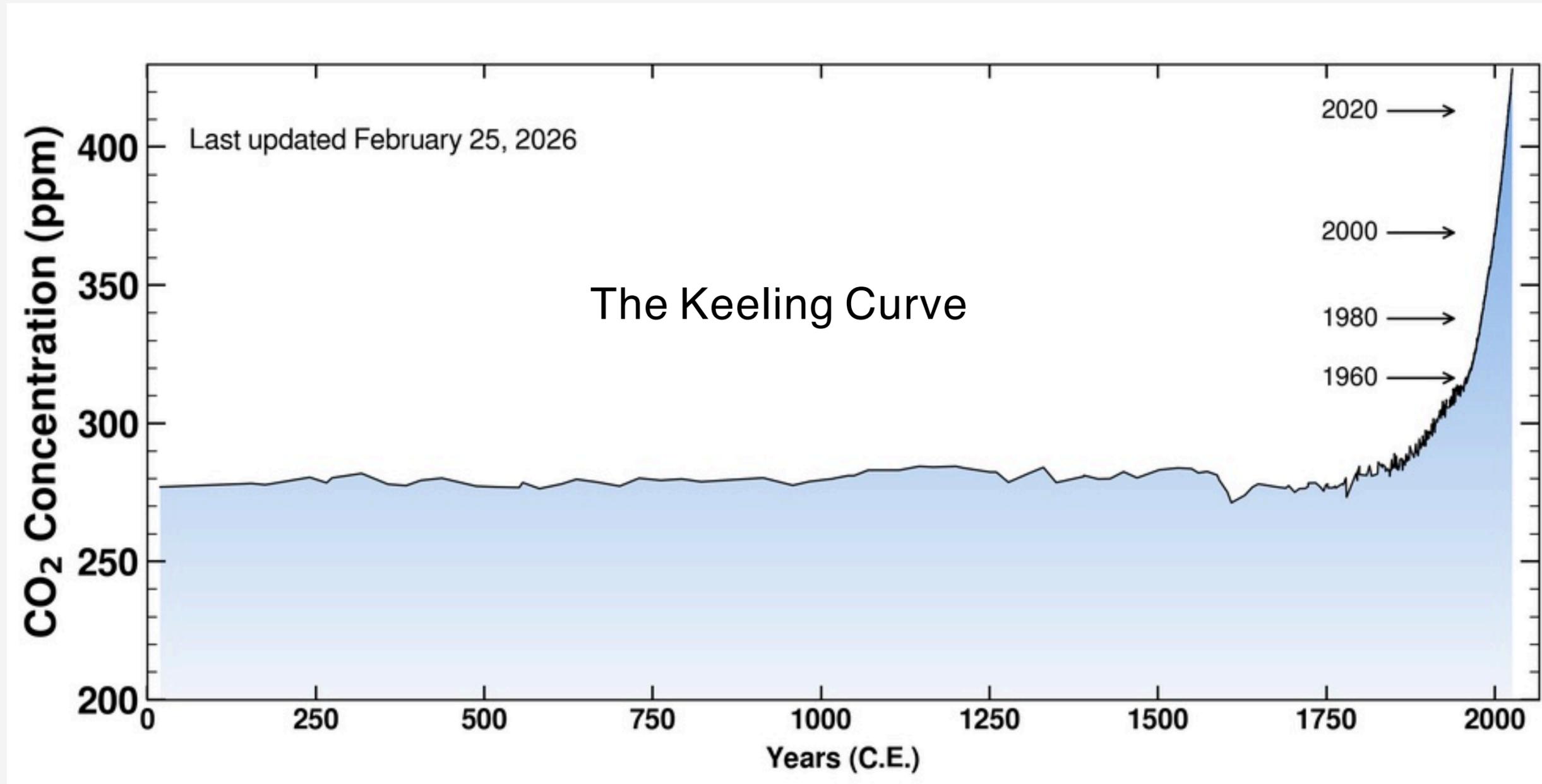
COSNOVA
BEAUTY

Sebapharma[®]

SHISEIDO

L'OCCITANE
EN PROVENCE

Atmospheric CO₂ Concentration Is Abnormally **Boosted By Us Humans**



Fossil CO₂ Is Taxed



Case study for Hamburg Municipal Waste Inceneration Plant

€6M
Every year

Currently, the facility's current emissions is 306,670 ton/a CO₂ (63.6% Biogenic)

Taxable CO₂ emissions = **111,628 ton/a**

Germany's carbon tax rate is **€55/ton**

€14M
by 2028

Facility will be included in the EU ETS by 2028

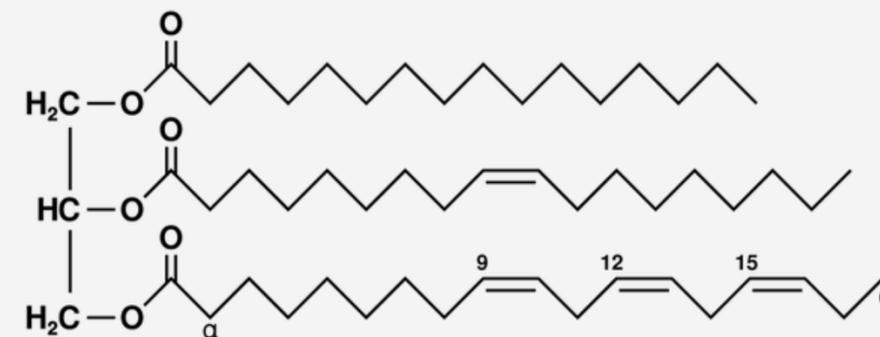
CO₂ priced at **€126/ton** with no stacking with the local carbon tax and no allowances



STADTREINIGUNG.HAMBURG

Product

Fermented Triglycerides (Vegetable Fat Alternative)



Product Value Proposition



	 Climate Oil®	Vegetable Oil
CO ₂ Footprint	0.3 kg / kg	4 kg / kg
Land use	0.1ha / ton per year	1.6ha / ton per year
Supply Resilience	High	Low
Usability	Equal (color, viscosity, chemical composition)	
Price Goal	€1500 / ton	€1500- €8000 / ton

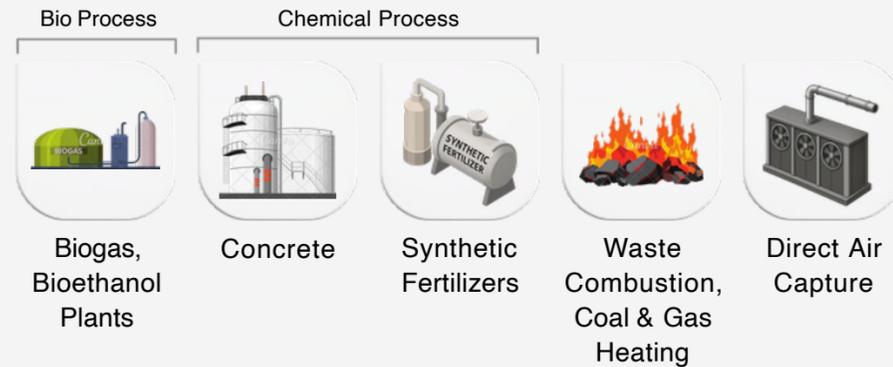
Solution

Transforming Carbon From CO₂ & Organic Side Streams



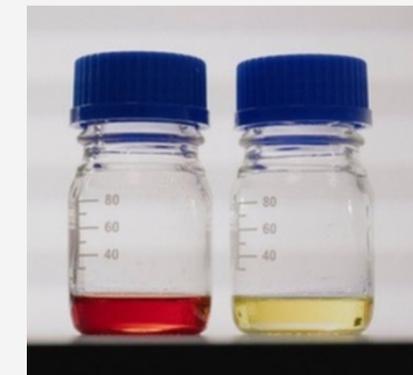
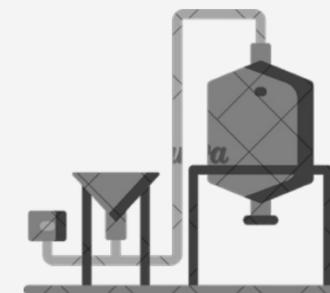
CO₂ from point sources

CO₂



Sugars, organic acids, alcohols & glycerol from side streams

Side Streams

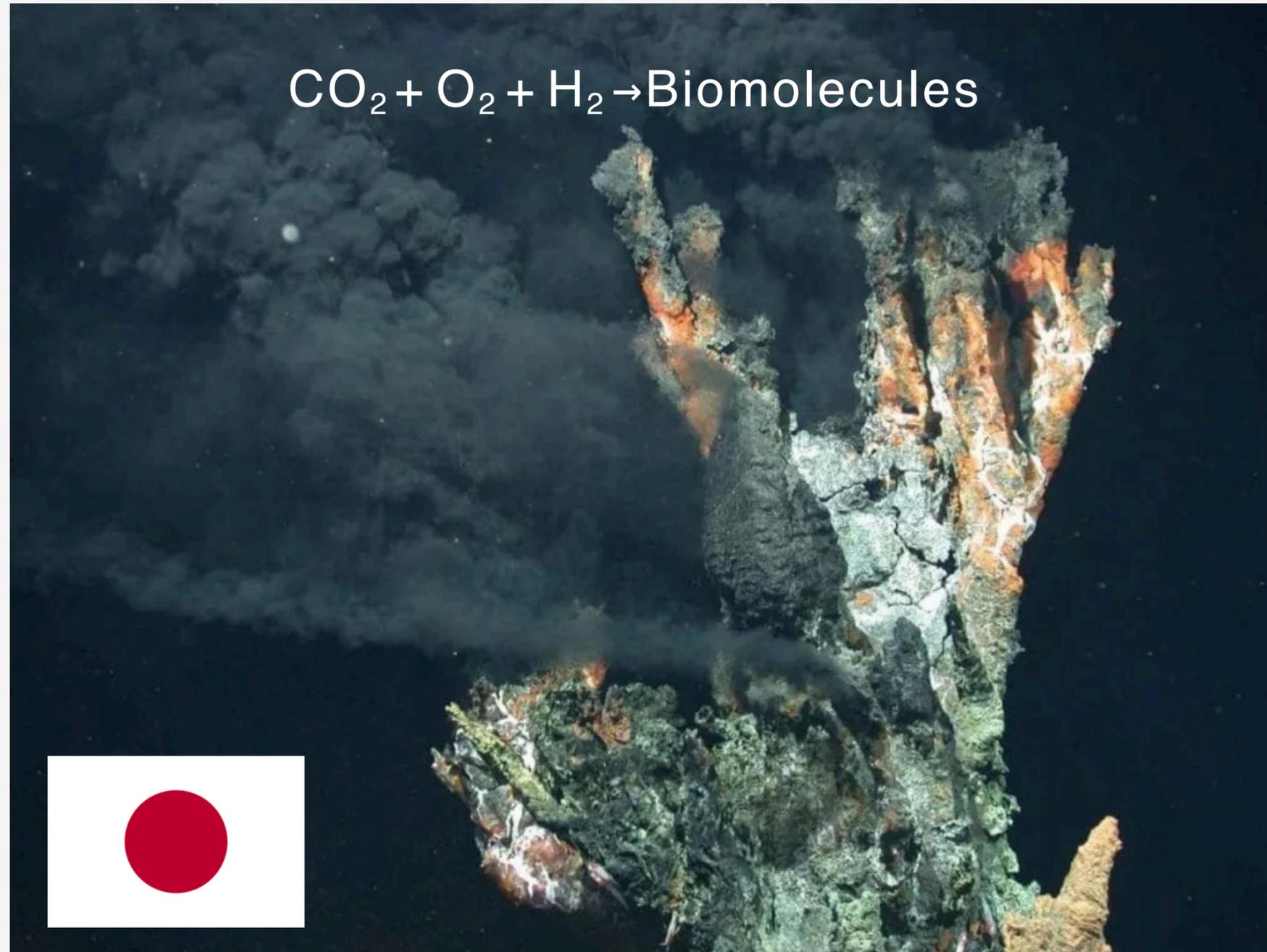


CLIMATE OIL™

CO₂

Bacteria From 1977 Japan

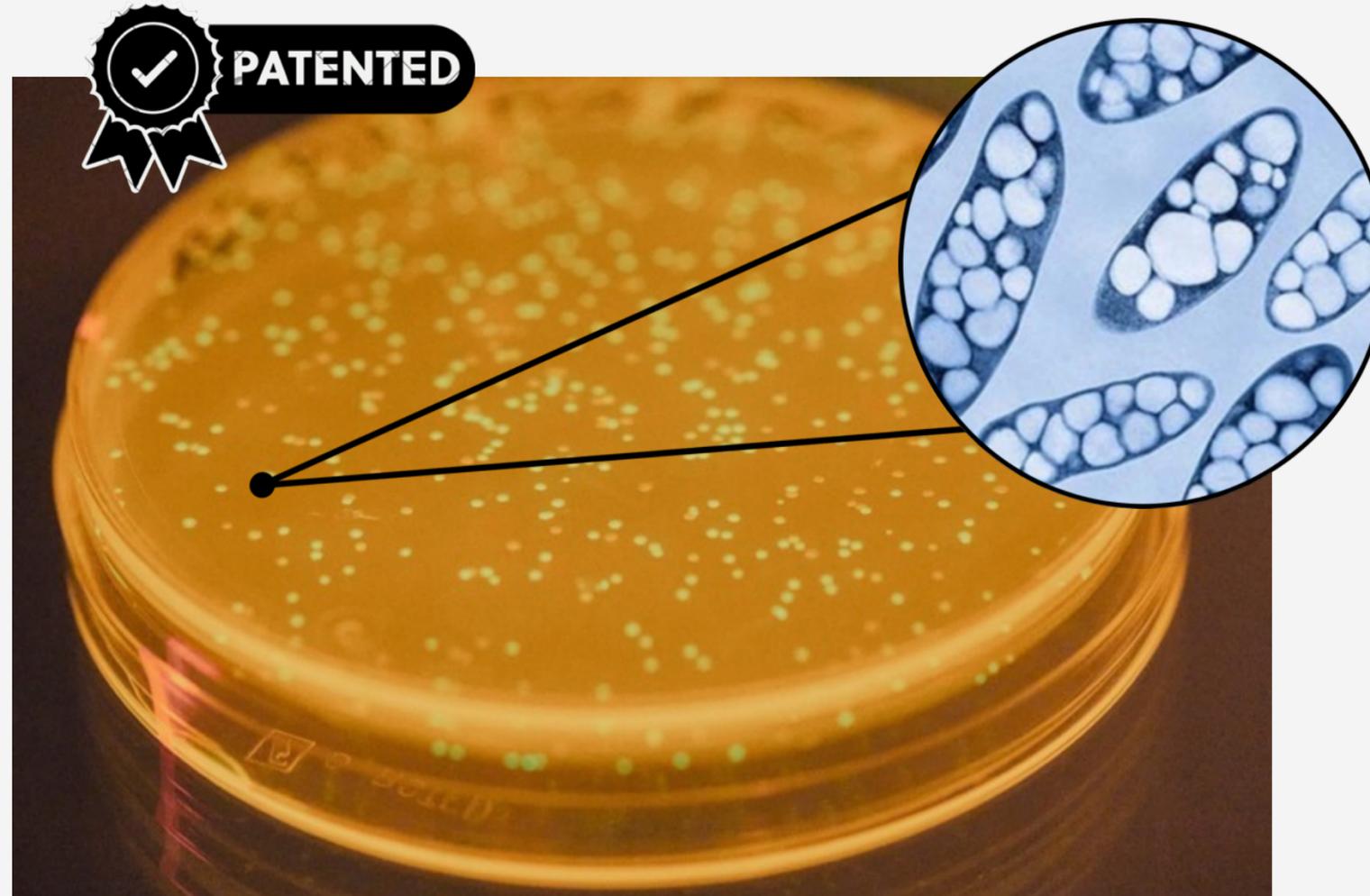
 COLIPI



CO₂

Fastest CO₂-Consuming Microbes On Earth

 **COLIPI**



Genetically modified bacteria

CO₂

Bioreactor Tailored To Gas Fermentation

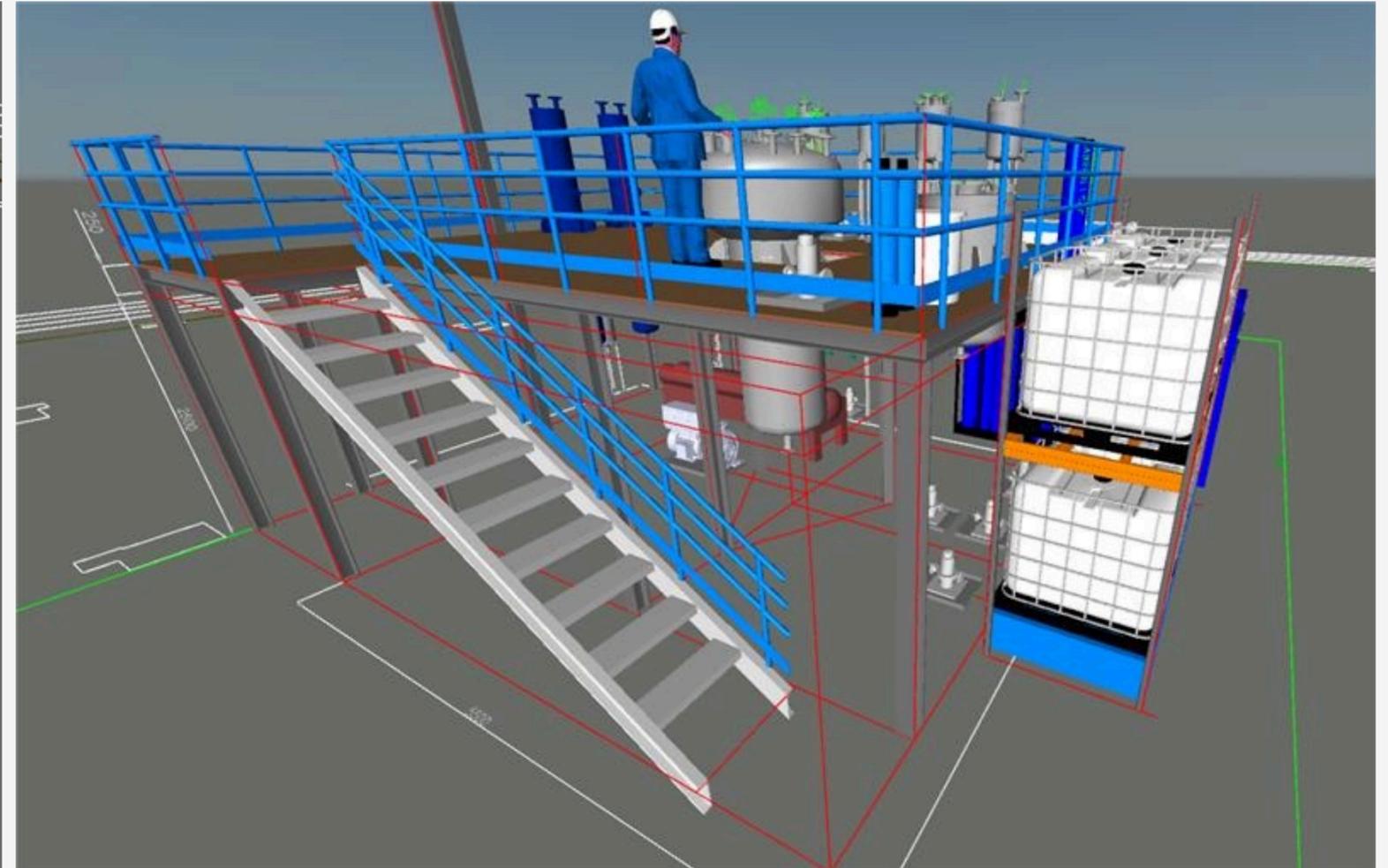
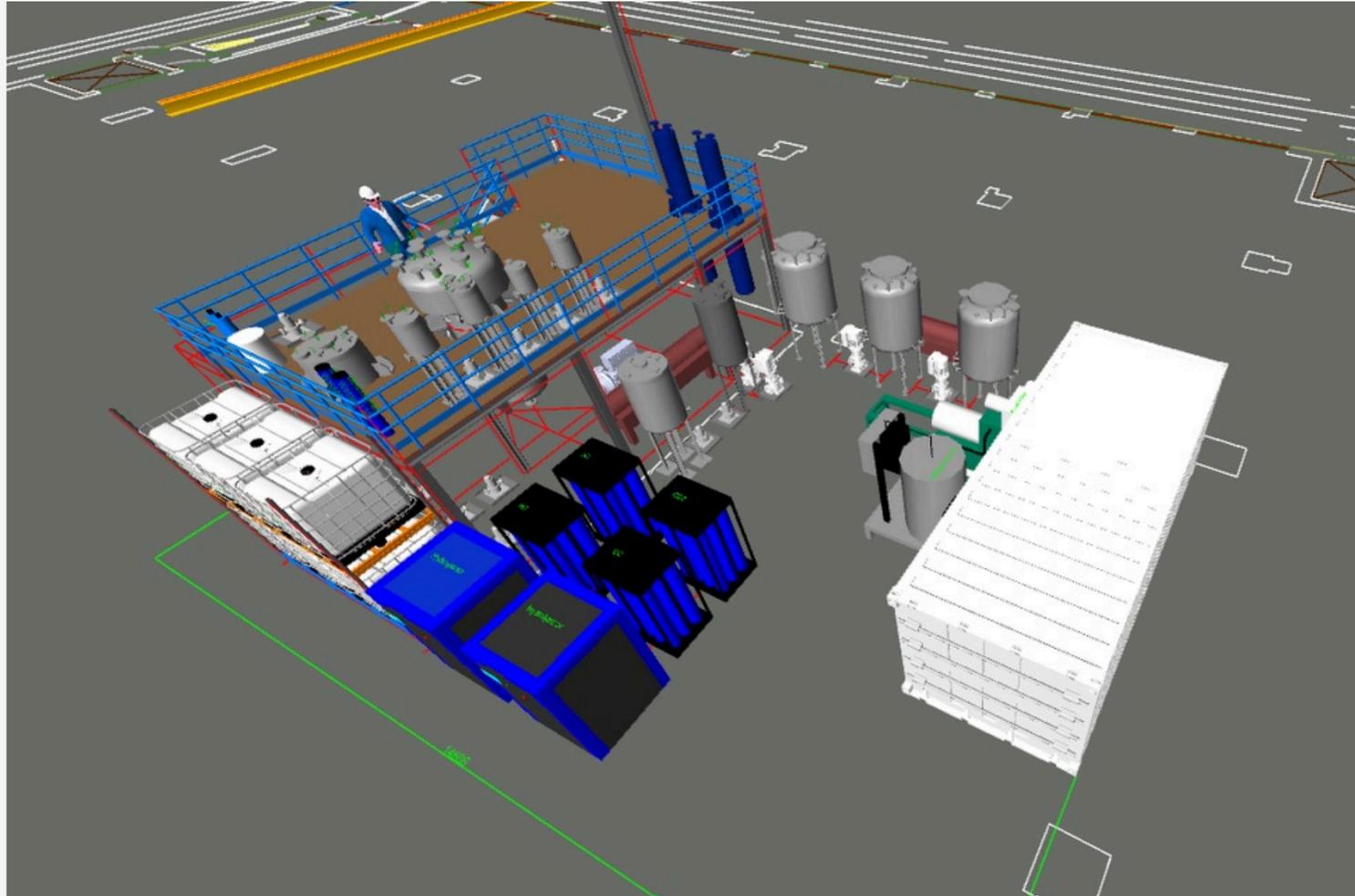
 COLIPI



Proprietary bioreactors

CO₂

Outlook: CCU Demonstration Plant



Climate Fat - The Better Ingredient



Discuss Investment Opportunity



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