



The Sustainable Source™

Technology and Ingredients to power the
Materials Transition at scale

August 2024

Where do the products
and materials you use
every day come from?

What if the source is unclear? Supply Chain Risk.

Rarely are brands able to map and trace their most critical sources.



What are some of the risks?

- supply chain disruptions
- human rights abuses
- importation bans on critical materials
- unclear Scope 3 emissions
- human health impacts



73%
of consumers say they value transparency + would likely pay more for products from transparent companies

Source: Quantis, 2020
Make Up the Future Report



Jan. 5, 2023

EU ban on deforestation-linked goods sets benchmark, say US lawmakers

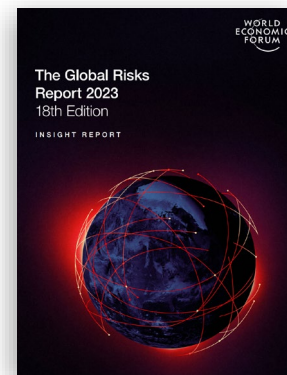
Campaigners hail EU move, and congressman says it gives fresh impetus to similar US plans



Jan. 24, 2023

Companies Rush to Trace Sprawling Supply Chains as Sustainability Rules Loom

Stricter regulations on supply-chain sustainability are coming.



2 years

- 1 Cost-of-living crisis
- 2 Natural disasters and extreme weather events
- 3 Geoeconomic confrontation
- 4 Failure to mitigate climate change
- 5 Erosion of social cohesion and societal polarization

10 years

- 1 Failure to mitigate climate change
- 2 Failure of climate-change adaptation
- 3 Natural disasters and extreme weather events
- 4 Biodiversity loss and ecosystem collapse
- 5 Large-scale involuntary migration

Risk categories | Economic | Environmental | Geopolitical | Societal

What are the products largely made of? Carbon.

Carbon is the building block of most materials
in our everyday life.

96% of all materials are made from carbon coming
from hydrocarbons (oil, gas, coal – fossil fuels).

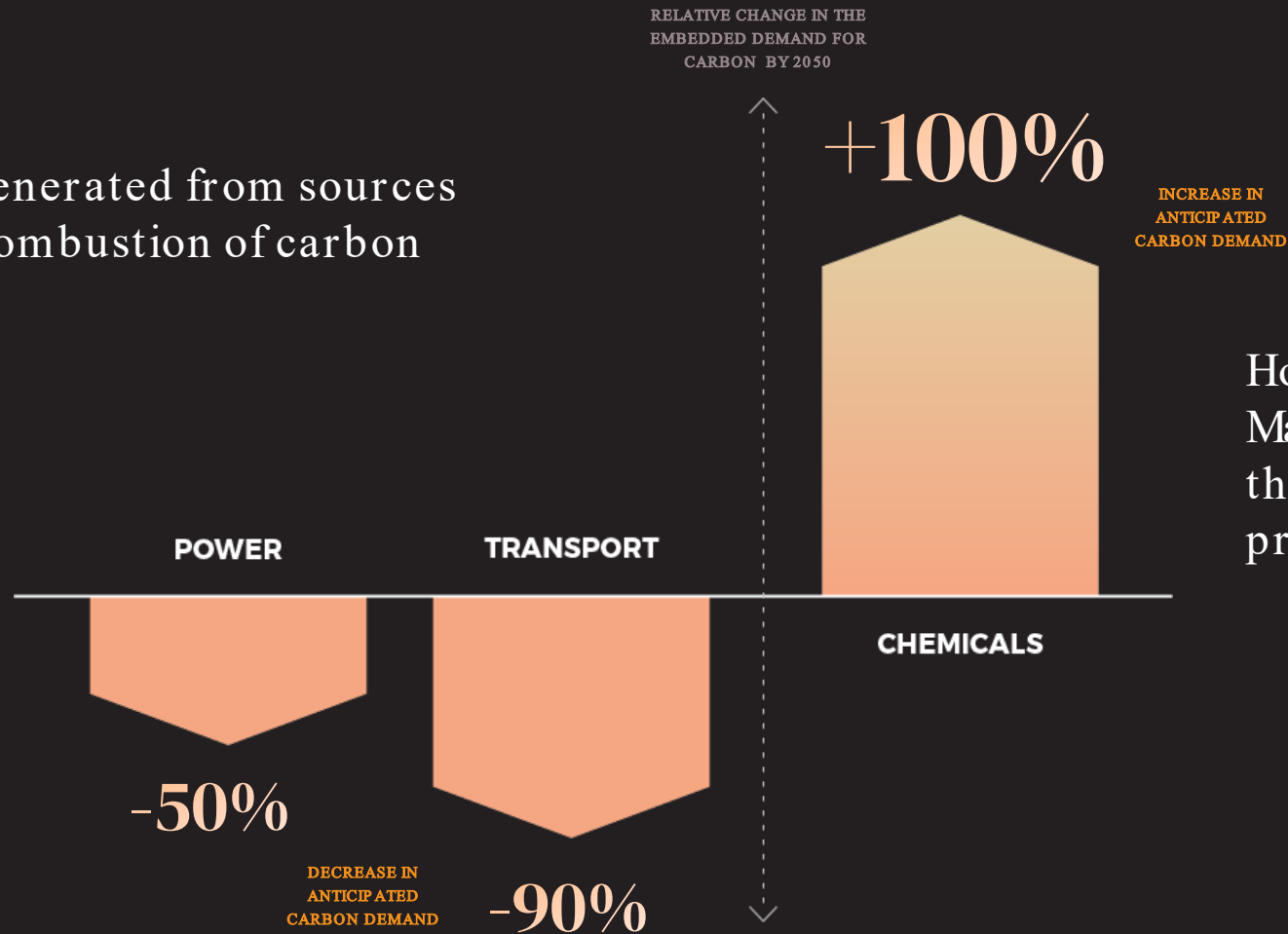


20%

of every barrel of crude oil, and a significant fraction of natural gas, are used to make non-fuel products.

Where will all the carbon come from? \$4T Transition Opportunity.

Energy can be generated from sources other than the combustion of carbon



However, the Chemical and Materials industries will need 2X the amount of carbon to hit 2050 projections for market demand.

Imagine if brands could make the same exact materials that you love, but from sustainable sources.

The Materials Transition is happening now, with accelerating pace.

dermalogica[®]

find it in your favorite
Dermalogica formulas



 **geno.**



lululemon

 **geno.**



The Sustainable Source™

of technology and ingredients to power the Materials Transition



Renewable Sources of
Carbon.

Same Exact
Materials.

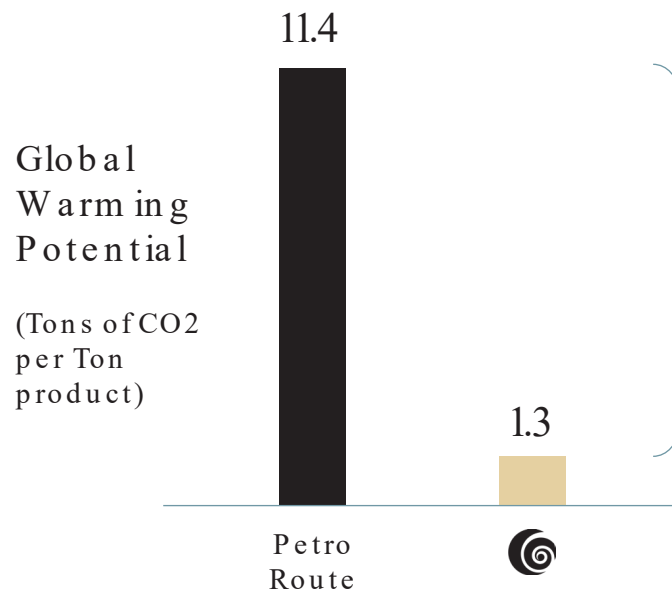


Scale x Carbon Savings x Speed = Impact

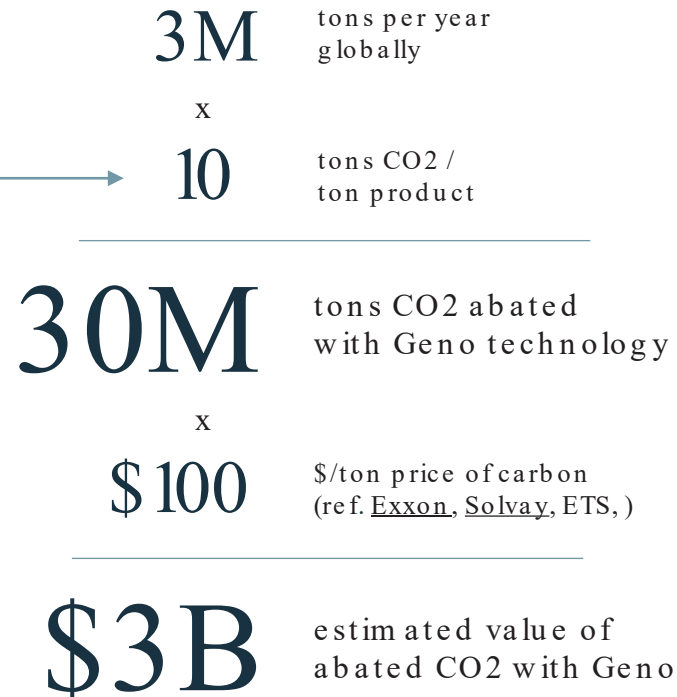
Illustrating our impact with one commercially available technology

Measuring the impact of just one of the many Geno technologies to deliver the same exact materials from a renewable source of carbon, compared to conventional fossil-based sources of carbon

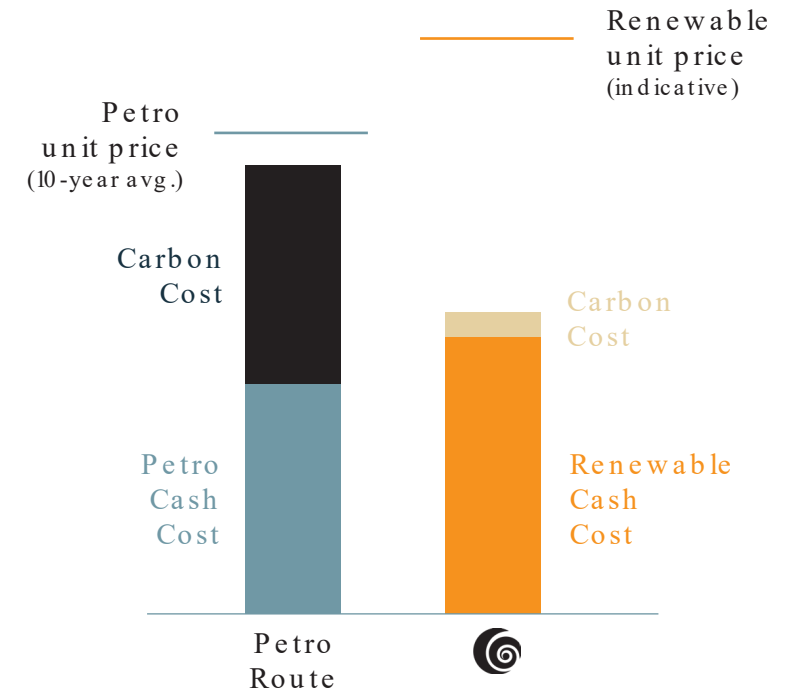
Carbon Savings



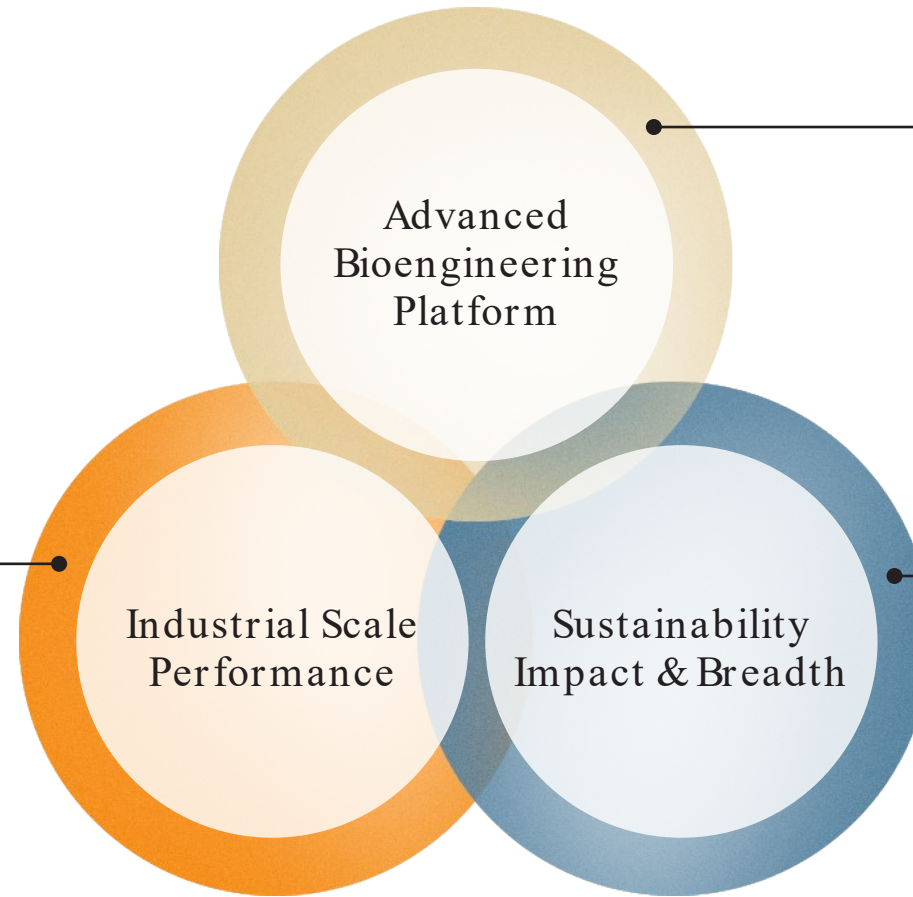
Market Size/Impact



Unit Economics



What sets Geno apart?



WORKING TODAY AT REALLY BIG SCALE

- 100,000+ tons capacity under license
- 4,000,000+ liters of fermentation reactor vol.
- Continuous, high-yield conversions

AN INNOVATION POWERHOUSE

- World-class Biotechnology expertise
- Integrated with Process Design & Engineering
- Deep Intellectual Property (+1,900)

HITTING LARGE ESTABLISHED MARKETS WITH SUBSTANTIAL CARBON SAVINGS

- Large direct exact drop-in substitutions
- \$30B / +10M tons in direct addressable markets
- 50-90% reduced carbon emissions

... our Impact

READ THE MATERIAL INNOVATIONS REPORT
HOW THE INDUSTRY IS USING REVOLUTIONARY RAW MATERIALS TO MAKE FUTURISTIC FABRICS A REALITY



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Why Lululemon's Bio-Fiber Supplier Took Farmer Fight to Capitol Hill

BY ALEXANDRA HARRELL NOVEMBER 16, 2022 3:49 PM



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Geno CEO Testifies on Biomanufacturing Before Senate Committee

At hearing on Farm Bill 2023, Christophe Schilling will discuss strengthening USDA BioPreferred and lending programs.



FORBES > BUSINESS > MANUFACTURING

This Biotech Company's Goal Is To Have A Plant-Based American Flag Fly Over The White House

John Cumbers Senior Contributor
Synthetic biology author.

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Nov 18, 2022, 03:43pm EST



An American flag made out of corn. STABLE DIFFUSION ALGORITHM.

