Solugen®

We **decarbonize the physical world**, so that all living things have access to a sustainable future.

Solugen®

Solugen is a groundbreaking technology company on a bold mission to decarbonize the physical world.

At the heart of our innovation is the world's first carbon-negative molecule factory—the Bioforge™. This unique manufacturing platform uses a chemienzymatic process to convert plant-derived substances into essential materials that have historically been made from fossil fuels—all without emissions or waste.

A highly scalable and localized alternative to conventional approaches, the Bioforge™ enables us to produce high-performance, cost-competitive, and sustainable solutions to meet the diverse needs of our customers.

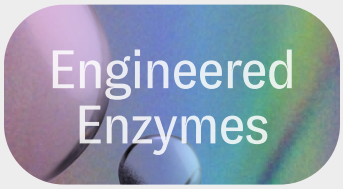

Solugen®
Bioforge™
The world's first carbon-negative molecule factory.

Solugen®

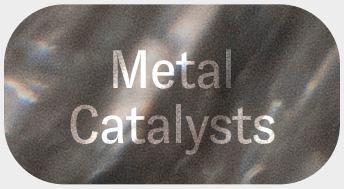
The Bioforge™ is not your typical chemical plant—it is an entirely new manufacturing platform.

Leveraging a first-of-its-kind combination of computationally engineered enzymes and metal catalysts, Solugen's technology platform overcomes the fundamental challenge facing the $6.5T chemical industry: convert feedstock directly into the intended product, without harmful byproducts.

Agricultural feedstocks are sustainably sourced rather than oil or natural gas. In our case corn sugar is combined with water and air.



These feedstocks are fed into our cell-free enzyme oxidation reactor, which begins the highly efficient conversion process with low energy input.

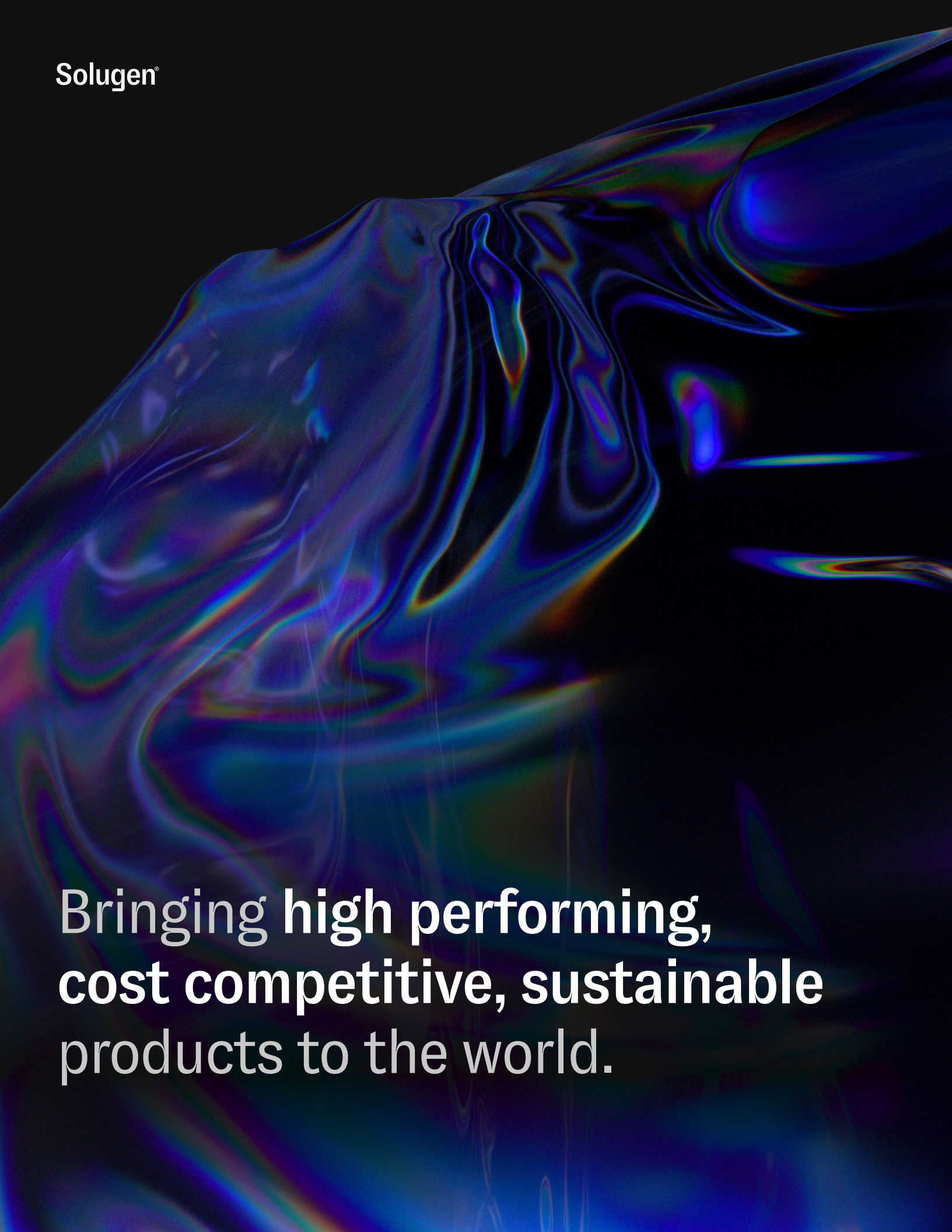


Our engineered metal catalysts then convert the material into a near final product at lower temperatures than traditional processes with higher selectivity and conversions.

1 ton of product is made for every 1 ton of feedstock. The only downstream steps involve an evaporator to remove water and a crystallizer to create a solid final product.

Can be built anywhere at speed and scale—decentralizing manufacturing and creating safer conditions for both humans and the Earth.

Solugen®

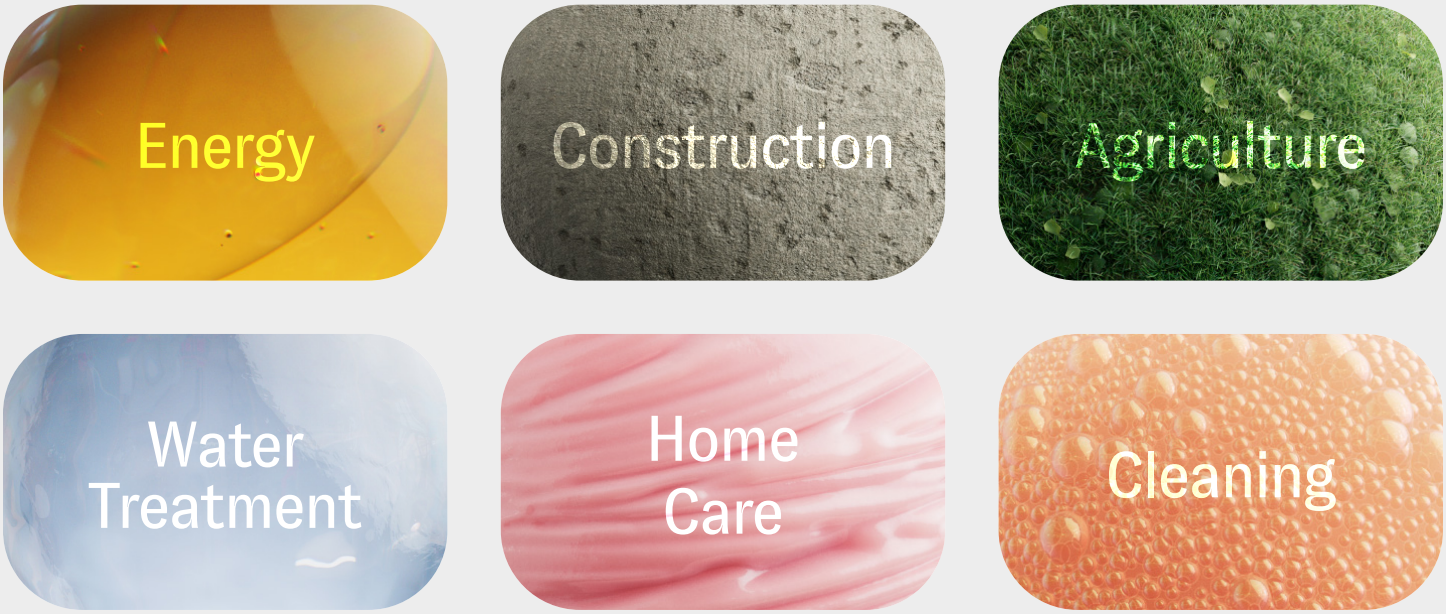


Bringing **high performing, cost competitive, sustainable** products to the world.

Solugen®

Solugen manufactures biobased solutions that replace chemicals traditionally made using petroleum and natural gas.

Our products are sold either directly, or as formulated blends to meet the diverse needs of our customers.



Additional research is currently underway for the development of applications into the Personal Care, and Food & Beverage markets.

Over the next decade, Solugen plans to expand its pipeline of molecules to include plastics, amines, glycols, and several other commonly used chemistries that underpin a significant portion of modern life.

Solugen®

Solugen has unlocked the capability to develop and scale in parallel.

Our unique R&D model brings together scientific, engineering, and product fields that have been traditionally disparate in the industry.

Our world-class team includes:

- Enzymology
- Strain Development
- Computational Biology
- Metal Catalysis
- Process Development
- Analytical Chemistry
- Product Development

- Process Engineering
- Process Technology
- Production Engineering
- Manufacturing
- Maintenance

- Sales
- Business Development
- Product Management
- Marketing & Communications
- Finance
- Supply Chain

Solugen®

Proudly headquartered in **Houston, Texas.**

Solugen®

As we scale, so does our impact.

Home to our executive team and business support functions including finance, accounting, human resources, legal, and commercial in Houston.

Houses over 20,000 square feet of lab space, a 10,000-ton capacity demonstration-scale Bioforge™, and 10,000 square feet of warehouse and storage space in Southwest Houston.

Houses over 20,000 square feet of warehouse and storage space, product blenders, and a wide range of logistics capabilities. Located in Slaton, TX, the facility primarily serves energy customers in West Texas.

Solugen®

Building a brighter future.

As one of the few scaled-up and de-risked biomanufacturing assets in the country, Solugen is committed to bolstering domestic capabilities and supply chains that are critical in combating climate change.

Over the next decade, Solugen aims to launch a wide array of new molecules that are the key building blocks of the Bioeconomy and a large-scale network of commercial-scale Bioforge™ platforms to produce them.

For more information, visit **solugen.com** or email us at **info@solugen.com**.