

# PRODUCING BIOFUELS AND PLASTICS

→ Used as fuel for cars, trucks, boats, and even planes, isobutanol holds great promise as one solution on the way towards sustainable transportation. And now it's being produced at commercial scale.

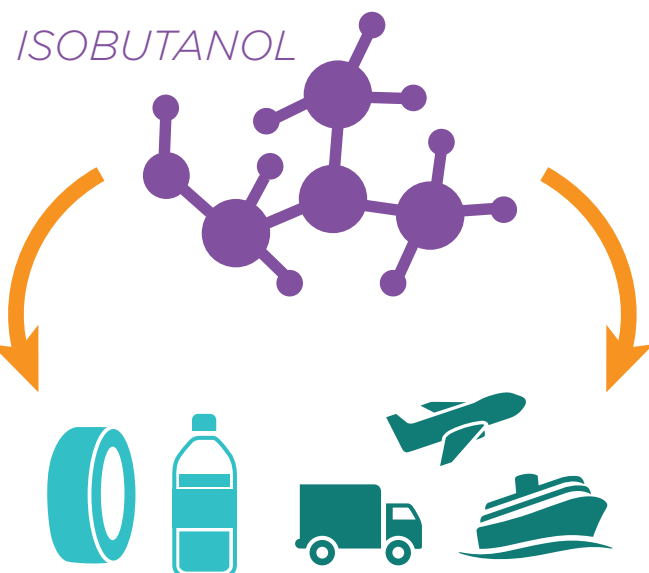
## THE SOLUTION

! Isobutanol can be produced from corn starch, cellulosic materials, agricultural residues, and other ethanol feedstocks. It's an alcohol that can be shipped in existing pipelines and blended with a variety of fossil fuel-based materials to produce greener versions of jet fuel, diesel, or rubber.

Colorado-based Gevo has developed yeast that consumes common feedstocks and secretes isobutanol. According to the company, they have commercialized isobutanol production as a blendstock in gasoline and jet fuels. It can also be converted into products such as plastics, fibers, rubber, and other polymers. Gevo produces the isobutanol in retrofitted ethanol plants.

## WHY A SUSTAINIA100 SOLUTION?

? Isobutanol could solve some of the problems associated with first-generation biofuels because of its compatibility with gasoline engines and infrastructure like pipelines and fuel pumps. In addition, isobutanol is one of the most promising solutions to the challenge of creating a sustainable aviation industry. The transformative potential of this solution is huge; next steps are to further commercialize and reduce costs of production.



[www.gevo.com](http://www.gevo.com)



# COOPERATIVE SOLAR

→ Not every homeowner can go solar. But everyone can invest in community solar projects that generate clean energy, create local jobs, and earn a 5% to 10% return on investment.

## THE SOLUTION

! Individuals come together to invest in solar projects that benefit communities and investors. Solar Mosaic is an online platform that connects individuals to profitable solar projects in their communities. Solar Mosaic enables individuals to earn a profit on clean energy investments, unlocking new funding streams for renewable energy.

## WHY A SUSTAINIA100 SOLUTION?

? By turning solar investments into a socially engaging and financially attractive experience, Solar Mosaic enables millions of people to move their money out of big banks and into local more cost effective large scale solar energy projects. By inviting individuals to take ownership over their power supply, Solar Mosaic changes attitudes at the individual level, while providing a return on investment, clean energy, jobs, and community engagement.

ECONOMIC  
*Solar Mosaic has crowdfunded over \$350,000 to install five rooftop solar power plants.*

SOCIAL  
*The five rooftop solar plants saved cash-strapped community organizations more than \$600,000 on their utility bills and produced over 2,700 job hours for local workers.*

ENVIRONMENTAL  
*Already, Solar Mosaic has prevented the release of carbon equivalent to planting 4,600 trees.*



[www.solarmosaic.com](http://www.solarmosaic.com)

