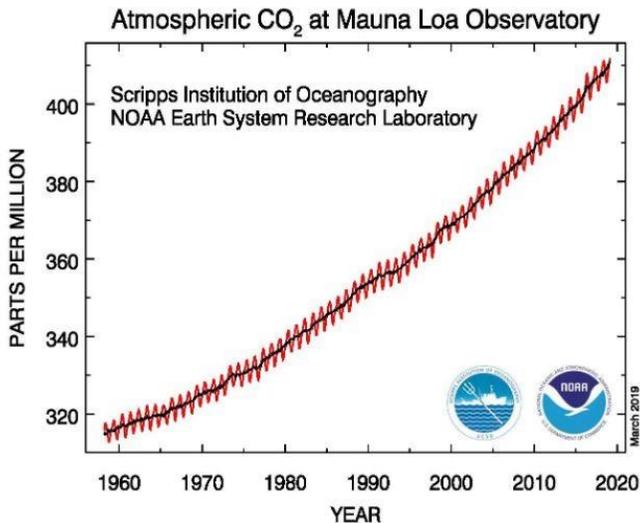


Carbon Neutrality

Annie Hynes, Biosynthetic Technologies



Carbon dioxide is a naturally occurring gas in our atmosphere.

Heat-trapping in nature, it is considered a greenhouse gas. Since the Industrial Revolution, the concentration of carbon dioxide in the atmosphere has increased by 45%, playing a major role in climate change.

Due to a growing awareness of climate change, some organizations, businesses, and even nations have committed to becoming carbon neutral.

The term carbon neutral refers to any group whose net carbon output is equal to zero. This means that a company's carbon dioxide production, which contributes to global warming, is offset by the amount of carbon dioxide consumed by their efforts. Although there are a number of different ways a company can be carbon neutral, one example is planting trees to counteract the amount of carbon dioxide released into the atmosphere by day to day operations. The idea is that the carbon dioxide released from electricity generation, transportation, and production is equal to the amount consumed by the trees planted.

Currently, it's unclear just how many organizations have achieved this lofty goal. According to an article published by the United Nations, 20+ cities, 100+ companies, 2 US states, and even entire nations have committed to becoming carbon neutral in the next few decades.

in progress, some organizations have not only achieved but surpassed that goal, operating as carbon-negative facilities. One of these organizations is Biosynthetic Technologies' manufacturing site.

How is this possible? First, their electricity source is 100% renewable, yielding no carbon dioxide consumption or generation. In addition, the carbon dioxide absorbed by unharvested crops outweighs any generation that occurs during processing or transportation – leading to net absorption of over 9 MT of carbon dioxide per MT of castor oil derivative produced. Through this, the site's operations – and the manufacturing of Biosynthetic Technologies' products – actually reduces the level of carbon dioxide in the atmosphere.

At Biosynthetic® Technologies, we understand the importance of sustainable manufacturing practices. We are constantly looking for ways to minimize the negative impacts on the environment while conserving energy and natural resources. Our objective is to make sustainability a point of difference for our business, and we are confident that this strategy will generate even greater benefits for the environment in which we operate, the people that we work with and the communities we are part of. Biosynthetic® Technologies is committed to sustainability and clearly focused on the responsible use of natural resources in our daily business. We understand that health, environmental awareness and traceability play just as large a role for consumers as quality and efficacy. Biosynthetic® Technologies is aware of its responsibility in this business and sustainability. As such, our manufacturing facility is operating with a **NEGATIVE carbon footprint!**

We are committed to provide safe, quality products across food, pharmaceutical, personal care, and industrial applications. Our diverse set of quality system certifications demonstrate our excellence across multiple regulatory environments catered to your specific needs. Our Quality Assurance team stays current on the ever-evolving regulations as new legislation is passed and implemented in the industry. Our continuous improvement culture drives us, building upon our solid foundation of quality principles ensuring we meet or exceed customer expectations.

Biosynthetic® Technologies is among a growing number of innovative companies focused on *restoring the balance and stabilizing our global climate* through carbon-negative manufacturing.

BIOSYNTHETIC® TECHNOLOGIES

is *protecting the environment* by the sustainable base oils we produce and our manufacturing processes: *eliminating carbon emissions* from our business with passion. We can proudly say that our sustainable base oils are produced in a negative carbon output manufacturing facility.

Biosynthetic Technologies is committed to making a *positive impact* on the future through the supply of *sustainable base oils* as a *petroleum replacement*.

Petroleum derived products develop carbon emissions and are linked to global climate change and negative impact on people and the environment. Biosynthetic Technologies demonstrates that innovation, leadership and overall environmental stewardship by *neutralizing our carbon footprint*



NEGATIVE CARBON FOOTPRINT

Operations



Commuting
and Travel



Business
Activities



FEEDSTOCK

Our biobased feedstocks absorb carbon dioxide, thereby reducing greenhouse gas accumulations in the atmosphere.

ENERGY

Our manufacturing facility generates 100% of its electrical energy from windmills.

Innovation



Efficient
Buildings



Efficient
Manufacturing



BY-PRODUCTS

All by-products flowing from our production processes are used or sold as fertilizer, fuel, sweeteners and blending agents, food grade lubricants but also as raw materials for other products such as soaps, detergents, fining agents etc.

MEASURE



REDUCE



NEUTRALIZE



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