

# THE NEW FRONTIER IN CARBON CAPTURE: UNLOCKING THE UNTAPPED POTENTIAL OF OCEANS TO FIGHT CLIMATE CHANGE

*As the U.S. rushes to build out a new carbon capture industry, nature-based solutions must not be overlooked.*

WASHINGTON, DISTRICT OF COLUMBIA, UNITED STATES, January 11, 2023 /EINPresswire.com/ --

“

By cleaning up water bodies and ridding them of toxic algal blooms, we can remove gigatons of sequestered atmospheric carbon in the process. That’s what we’re doing at BlueGreen.”

*Eyal Harel*

BlueGreen Water Technologies ([BlueGreen](#)) has removed an estimated [3.3 million tons of carbon](#) from the atmosphere by treating toxic algal blooms in water bodies worldwide since it started commercialization efforts in 2018. Recently, the global water-tech company has pioneered a new methodology for measuring carbon removal via water, and is deploying its technologies across multiple continents to aid the fight against climate change concurrent to its global efforts to improve water quality and availability.

“Our vast oceans and coastal ecosystems are the most

powerful natural carbon sinks on the planet and serve as a new frontier in carbon removal,” said [Eyal Harel](#), CEO, BlueGreen. “By cleaning up water bodies and ridding them of toxic algal blooms, we can remove gigatons of sequestered atmospheric carbon in the process. That’s what we’re doing at BlueGreen. We are excited to be playing a role in reducing greenhouse gas emissions and addressing the climate crisis.”

Microalgae, including cyanobacteria (blue-green algae), are Earth’s carbon-soaking superheroes. These tiny organisms absorb atmospheric CO<sub>2</sub> at a mind-blowing rate - removing carbon through their natural process of photosynthesis and, in turn, reducing the impact of greenhouse gases on our planet. But when these algae multiply rapidly, they can produce toxins and form blooms that choke aquatic ecosystems, threaten human health, and damage livelihoods and local economies.

“When all of that carbon-rich toxic algal biomass is treated and killed, it sinks to the bottom of the water body along with the carbon it has sequestered,” said Harel. “That carbon remains locked away in the sediment for thousands, if not millions of years. The removal of a bloom and

the carbon within allows beneficial, non toxic species to retake the ecological niche, reestablish biodiversity, and reactivate the natural carbon pump that is intrinsic to their subsistence.”

As the U.S. rushes to build out a new carbon capture industry, nature-based solutions must not be overlooked. BlueGreen’s carbon removal technology is immediately deployable, economical, and scalable and does not require energy-intensive carbon capture machinery.

“Rapid decarbonization at scale can only be achieved by investing in aquatic ecosystems,” said Harel.

The company’s team of water scientists has been traveling the globe remediating harmful algal blooms and restoring the health and biodiversity of aquatic ecosystems while removing tons of carbon in the process.

“Let’s invest in what will work now, before more irreversible damage is done to our climate,” said Harel. “To meet aggressive and necessary climate goals we must clean up our oceans, lakes, and wetlands. Our window for action is narrowing, and the very health of our planet is at stake.”

About BlueGreen Water Technologies:

BlueGreen Water Technologies is leading the charge in helping preserve and promote life on Earth. We are restoring, safeguarding, and optimizing the health, safety, accessibility, and biodiversity of waterbodies worldwide – including their wildlife, aquatic life, ecosystems, and economies – by pioneering and applying proven scientific ingenuity and deep tech solutions. BlueGreen is the first and only company in the world to develop, obtain regulatory approval for, and commercialize a technology suite that reverses the effects of climate change in water bodies and drastically reduces greenhouse gas levels. The multidisciplinary team of BlueGreen experts is exposing the secrets of lakes and oceans – detecting, analyzing, preventing and remediating some of the most complex and dynamic problems that plague the world’s water systems.

Sally Kidd  
Antenna Group  
[email us here](#)

---

This press release can be viewed online at: <https://www.einpresswire.com/article/610335093>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2023 Newsmatics Inc. All Right Reserved.