

When Water Heals, Communities Thrive

Just months ago, this lake was lifeless. A harmful algal bloom had stolen its waters, halting recreation, threatening health, and draining local economies. Today, it is a source of vitality again — for families, for business, for life. This transformation is no accident. It is the result of science, innovation, and collaboration — proof that when nature is given the chance, it can return to itself. At BlueGreen Water Technologies, we believe that protecting water protects people. Every restored lake, every renewed waterway, is a step toward EcoHealth: the balance of human well-being and planetary resilience.

BlueGreen Water Technologies
Healthy Water. Healthy Communities. Healthy Planet.



BEFORE RESTORATION: DAM OVERTAKEN BY HARMFUL ALGAL BLOOM



AFTER RESTORATION: DAM RENEWED AS A HEALTHY, THRIVING ECOSYSTEM

Innovation:

Making Water Safe, Advancing Climate and Health Goals The global water crisis, threatening an estimated \$58 trillion in GDP, is one of the most urgent planetary health challenges of our time, impacting safe drinking water, food security, biodiversity, and climate stability.

Today, two billion people lack access to clean water, a problem worsened by harmful algal blooms (HABs) that infect millions of lakes and vast stretches of ocean.

Fueled by nutrient pollution, rising temperatures, and excess carbon, HABs turn critical water resources into sources of toxins and potent greenhouse gases, including methane and nitrous oxide.

More than an environmental nuisance, HABs are a serious threat to human and planetary health.

They contaminate drinking water, create aquatic “dead zones,” release airborne toxins, and have been linked to illnesses ranging from liver damage and cancer to neurological disorders.

HABs also accelerate climate change, turning lakes—covering only 0.1% of Earth’s surface—into significant carbon emitters.

Lake emissions alone are equivalent to roughly 20% of global fossil fuel CO₂ emissions. BlueGreen Water Technologies offers a first-of-its-kind, regulatory-approved solution to reverse this trajectory.

Its patented technology selectively triggers Programmed Cell Death (PCD) in toxic cyanobacteria, collapsing HABs while protecting other aquatic life.

Specially formulated to float for optimal dispersion and paired with remote sensing for precise application, the treatment revitalizes ecosystems, replenishes oxygen, and restores water to a safe and balanced state.

Beyond water restoration, BlueGreen delivers measurable climate gains. Collapsing blooms sinks carbon-rich biomass to lakebeds, achieving permanent, verifiable sequestration while halting methane and nitrous oxide emissions.

These gains are tracked through Monitoring, Reporting, and Verification (MRV) frameworks.

The climate impact of HAB remediation generates high-quality carbon credits, creating a new, sustainable financial pathway to fund water restoration projects for communities that couldn’t otherwise afford them, ensuring equitable access to safe water and healthier ecosystems worldwide.

By integrating water security, public health, and climate resilience through science-driven, climate-financed solutions, BlueGreen provides a replicable pathway toward sustainable, equitable water management.

This holistic approach ensures operational growth and sustained environmental and social value creation, aligned with global sustainability efforts.