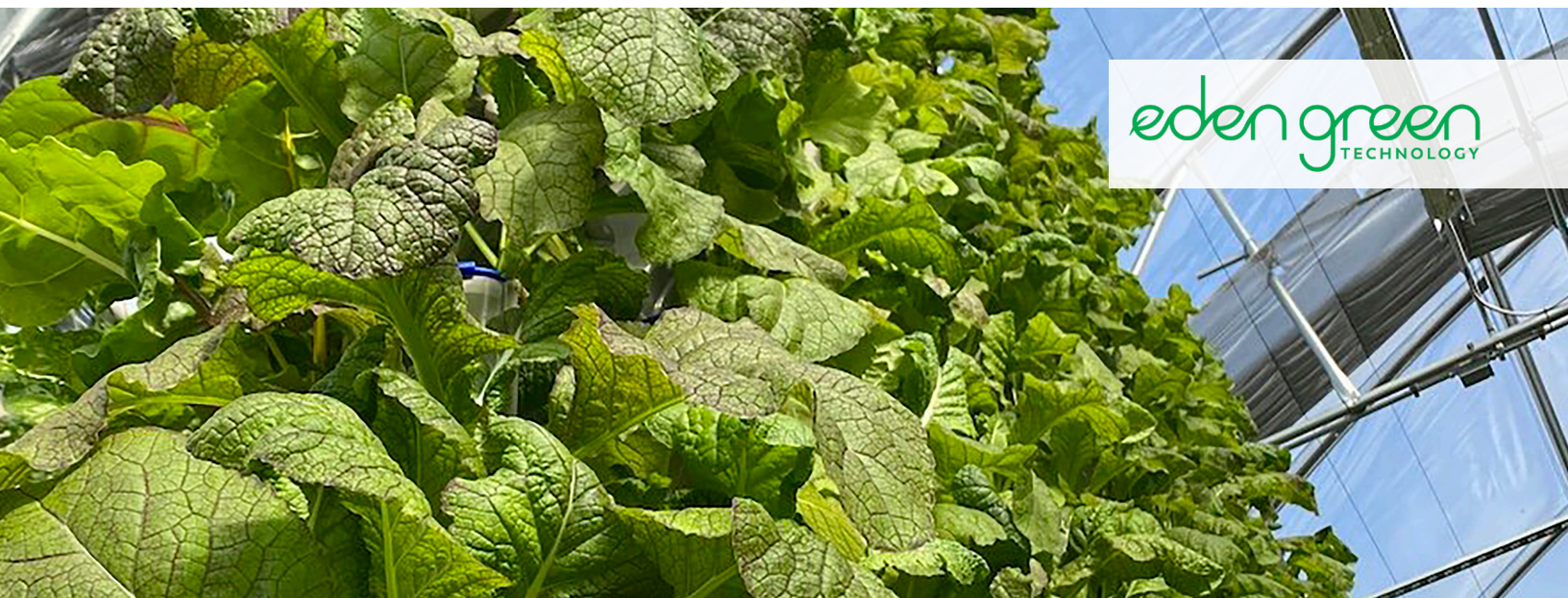




## Challenge

Eden Green Technology is an innovative indoor agriculture technology provider dedicated to food safety and sustainability. The organization delivers "Greenhouse-as-a-Service" (GaaS), in which it designs, engineers and manufactures vertical greenhouses to help grow large amounts of fresh food that can be locally sourced. To fulfill its mission of promoting food security and feeding people all over the world, Eden Green recognizes the value of partnering with like-minded groups to provide safer and more sustainable food.



As Eden Green continues to grow, the company needed to reconfigure its facilities and expand its research and development operations. To meet the demands of its growing operations, the company partnered with PathoSans, a provider of electrochemically-activated solutions (ECAS). Electrochemical-activation technology produces sodium hydroxide, a cleaner, and hypochlorous acid, a disinfectant, with just salt, water and electricity.

**"We are excited to partner with another technology disruptor making a difference in the world," said Aaron Fields, Director of Horticulture at Eden Green Technology.**

**"PathoSans shares our mission of delivering innovative technology with a focus on social responsibility, safety, self-sufficiency and sustainability."**

## Solution

### Safety.

Eden Green prioritizes employee and food safety in its business and its customers' operations. Its vertical farm technology lowers the risk of foodborne illness outbreaks and pest infestations compared to traditional farming and other indoor agriculture solutions. The company offers greenhouse management and food safety consulting to ensure its customers can prevent and detect illnesses in their facilities.

PathoSans cleaning and disinfecting solutions are an ideal fit to support safety at Eden Green. Unlike traditional caustic cleaning chemicals, the solutions contain no added fragrances that have been linked to adverse health effects. Additionally, they are safe for use on foods and in food preparation. To

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*"Food safety is our top priority at EGT and it governs each of our processes," said Fields. "That's why we chose PathoSans to ensure our operations*

support health, the disinfectant eliminates pathogens and molds that can exist on food, where food is grown and in food packaging and preparation areas.

"Food safety is our top priority at EGT and it governs each of our processes," said Fields. "That's why we chose PathoSans to ensure our operations use safe and effective cleaning solutions."

#### **Self-sufficiency.**

Self-sufficient greenhouses are an important part of Eden Green's mission. Its technology is location and climate agnostic, meaning that the indoor farm crops can be produced anywhere. To address food deserts, or areas without adequate access to food, Eden Green helps restaurants, grocery stores and governments produce food on site without the need for transporting produce long distances.

Similarly, PathoSans offers an on-site generation system that produces both the cleaner and disinfectant without reliance on traditional supply chains. Since these solutions require only salt, water and electricity, the generators can produce an unlimited supply of cleaning solutions so that organizations don't need to purchase and ship them across long distances. By using this system in its greenhouses, Eden Green can provide even more self-sufficient greenhouses to its clients regardless of the greenhouse size or location.

#### **Sustainability.**

Eden Green's technology helps food producers improve sustainability in their operations. An Eden Green facility, for example, uses only 1% of the water typically consumed on a 40-acre farm for the same yield. The greenhouse technology also reduces food waste from an average of 40% in traditional agriculture to only 2-3%. The technology helps food producers reduce water cost, product loss and environmental impact in their operations.

"Our customers are looking to us to help them lessen the carbon footprint of bringing produce to consumers," explained Fields. "PathoSans is an excellent example of a partner that seamlessly fits into our process while bringing sustainable solutions to our clients with environmentally-responsible cleaning and disinfecting."

By generating cleaning solutions on site with PathoSans, Eden Green and its clients can refill spray bottles and reduce the plastic waste associated with maintaining greenhouses. Without relying on chemical supply chains, Eden Green further shrinks the carbon footprint of its greenhouses. Additionally, PathoSans solutions leave no chemical residue behind on surfaces, and as a result, require less rinsing than typical cleaning solutions and allow greenhouses to save water while cleaning. Through this partnership, Eden Green can fulfill its mission to provide greenhouses and services that reduce waste, water consumption and reliance on greenhouse gas emissions.

#### **Enhancing Social Responsibility.**

With shared commitments to safety and sustainability, Eden Green and PathoSans are uniquely suited to collaborate in a cradle-to-cradle approach to food production. With self-contained greenhouse and on-site generation technology, organizations gain transparency into, and can ensure social responsibility through, the entire life of the food.

"We plan to incorporate PathoSans solutions into more processes of operations and work with them on new innovations," continued Fields. "Not only will PathoSans products keep our production safe and clean, but they will be paramount to the success of our Food Safety program of the future."

**Talk to us today about how PathoSans can work for you.**

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