

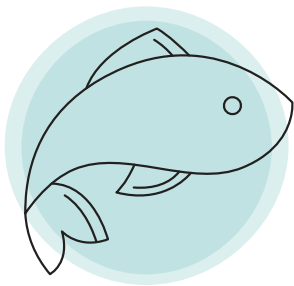
# Innovasea Helps Open Blue Become the Largest Open Ocean Fish Farm in the World

Open Blue is a leader in deep water fish farming. When the company first decided to take on the challenge of open ocean aquaculture to produce healthier fish, Innovasea provided a full turn-key solution – including large submersible pens, feeding systems, mooring systems and predator-proof netting.

## Challenge

Open Blue's cobia farm is situated 11 km off the coast of Panama in a location with strong currents and continuous waves over 1.5 meters. It's a tough, open ocean environment where

traditional aquaculture equipment simply won't survive.



In addition to needing rugged fish pens and heavy duty equipment, Open Blue was also looking to maximize efficiency, particularly

its feed conversion ratio, and minimize its impacts to the surrounding ecosystem.

## Solution

For over eight years Innovasea has worked hand-in-hand with Open Blue to design, build and optimize its cobia farm with:

**Submersible SeaStation Pens** - **Tough, submersible SeaStation fish pens** that lie below the surface to avoid high energy waves and wind.

**Innovative Feeding Systems** - To keep feeding on track despite waves and adverse weather, a single surface point connects to the submerged grid of pens and distributes feed to all the pens with minimal loss.

**Brass Alloy Mesh Netting** - The industry's best netting keeps predators out and stays naturally clean to increase water flow to keep fish healthy.



**“When I see storm clouds looming on the horizon, I don’t have to worry. Working with Innovasea gives me peace of mind knowing that our fish and people are going to be safe.”**

– Juan Carlos, Open Blue’s  
Director of Farming Operations.

## Result

- » Open Blue now has the largest open ocean fish farm in the world with 22 pens and 1,200 tons of fish harvested annually.
- » The cleaner, healthier offshore environment leads to better growth rates and harvests.
- » Brass alloy mesh netting has prevented predator breaches and has reduced cleaning costs.
- » Long lasting equipment (10-20 years for pens, 3-5 years for netting) in a relatively calm depth of water reduces maintenance and helped improve the return on investment.
- » Despite its size, the farm has no measurable impact on the environment.

Learn more at [www.innovasea.com](http://www.innovasea.com).

### About Innovasea

Innovasea designs the world’s most technologically advanced aquatic solutions for fish tracking and fish farming – and builds them to withstand the toughest conditions. We partner with customers to fully understand their needs and solve their most pressing challenges. It’s all driven by a commitment to make our ocean and freshwater ecosystems sustainable for future generations. Today. Tomorrow. For life.