

# Innovasea Offers Topian Initiative Sustainable Seafood with Cutting-Edge, Fully Submersible Net Pens

Innovasea, a global leader in technologically advanced aquatic solutions for aquaculture and fish tracking, announced today the success of using its fully submersible aquaculture systems to grow and harvest greater amberjack (*Seriola dumerili*) in the Red Sea. This project is part of Topian's aquaculture initiative, the sustainable food component of the Kingdom of Saudi Arabia's NEOM project.

In 2025, Innovasea's revolutionary [SeaProtean Pens](#) were installed and stocked, marking the first time this pen was deployed in the region. Despite a summer of intense heat, the SeaProtean's industry-leading buoyancy-control system and fully submersible design allowed operators to safely move fish further down in the water column and below the thermocline.

This resulted in no mortalities due to heat, allowing the fish to survive the harsh summer temperatures. Furthermore, in moving the entire system below the surface, Topian can effectively grow temperature-sensitive fish while preserving the sea's natural beauty.

"The SeaProtean Pen is engineered to support fish in extreme environments, such as the high surface temperatures of the Red Sea," said Innovasea's General Manager of Aquaculture Systems, Marc Turano. "By using fully submersible pens, our clients can now expand aquaculture into regions previously deemed unfeasible."

To ensure optimal performance, the pens were outfitted with the latest, most advanced technology in precision aquaculture. [Environmental sensors](#) monitor changing water conditions, AI-powered [biomass cameras](#) accurately track growth projections and [high-definition cameras](#) offer full visibility into underwater operations.

Additionally, using [Innovasea's FlowFeeder™ waterborne feeding system](#), farm operators can automatically and remotely deliver feed to fish below the surface, cutting down on feed waste, reducing energy costs, and lowering the number of lost feed days due to inclement weather.

Operators can then track all of this information in Innovasea's precision aquaculture platform, [Realfish Pro](#). This cloud-based solution combines real-time data with powerful analytics and advanced modules to track operations and support data-driven operations.

"We are excited to collaborate with Topian to bring the latest aquaculture technology to the region," added Innovasea CEO Mark Jollymore. "It's an excellent opportunity to showcase the benefits of precision aquaculture and lay the groundwork for what could become a significant growth area."

Food security is a key element of the NEOM project, with a focus on providing sustainable, high-quality nutrition. Topian's aquacultural initiative offers access to local fish populations, thereby reducing reliance on imports in an environmentally responsible manner.

"The adoption of this breakthrough technology demonstrates our commitment to leveraging the latest advancements to improve nutrition and ensure sustainability," added Majid Mufti, CEO of the NEOM Investment Fund (NIF). "Topian's aquaculture initiatives will ensure access to tasty, local fish species that are a source of high-quality protein and help reduce reliance on food imports in an environmentally responsible way."

### **About Innovasea**

Fueled by a commitment to a more sustainable future, Innovasea is at the forefront of pioneering solutions that transform our industry, protect the oceans, and feed our world. With more than 250 employees worldwide, we deliver fully integrated aquaculture and fish tracking offerings. Enhanced by our expert consulting services and innovative, integrated platforms, we empower users to get the most out of their equipment. All of it supports our vision for healthier oceans, plentiful fish, and truly regenerative aquaculture.

Learn more at [Innovasea.com](https://www.innovasea.com) and follow us [LinkedIn](#) and [Instagram](#).

### **About Topian**

Topian, the NEOM Food Company, exists to use resourcefulness and creativity to transform the way food is grown, supplied and consumed. Tasty, nutritious, sustainable food is our promise. For people who care about their health and the planet, Topian offers high-quality, responsibly sourced food products and innovative services in the key focus areas of climate-proof agriculture, regenerative aquaculture, novel foods, personalized nutrition and sustainable food supply. As we strive to develop safe, reliable food systems, we embed Environmental, Social and Governance (ESG) principles into all aspects of our business from sourcing to packaging. Our business activities contribute to the UN Sustainable Development Goals and Saudi Vision 2030, enhancing food security and addressing global food-system challenges.

For further information, please visit [www.neom.com/en-us/our-business/sectors/food](https://www.neom.com/en-us/our-business/sectors/food)

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