



Forever Oceans, the most sophisticated approach to aquafarms

Introduction

Founded by combining advanced technology from renowned Department of Defense organization, Lockheed Martin, and leading biology from Hawaii based aquaculture research company, Kampachi Farms, Forever Oceans provides end-to-end solutions for growing high quality fish offshore. Their licensing approach simplifies customer operations, but requires precision execution internally.

The Challenge

The Forever Oceans solution uses robots and sensors miles offshore to automate fish farming. Humans control the operations from shore. They have Lockheed Martin technology that is arguably the most advanced in the world. Forever Oceans packages this technology in a commercially cost efficient product for mariculture. That means, however, that Forever Oceans must deliver communications that are highly reliable and highly secure, but with a competitive commercial cost point. The solution also has to be simple to manage and broadly scalable at locations around the world where each location has network coverage spanning forty miles.

The Solution

Forever Oceans uses Endian products to secure their communications channels between on-shore operators and offshore operations. The Endian devices ensure that data streams are safe such that the system cannot be accessed with unauthorized commands and operational data cannot be intercepted by unauthorized parties. Combined with the other elements of the Forever Oceans communications platform, this system supports high bandwidth video links of up to twenty miles with minimal latency. The flexibility of the Endian devices allows Forever Oceans communications to failover between networks in case of anomalous disruptions, thereby ensuring continuity of communications as well. Best of all, the system configurations that used to take six months in the defense community are now reduced to mere hours with advanced deployment scripting. These combined results of efficiency, security, and risk reduction make the solution highly attractive for commercial customers.



Statement

"Forever Oceans licensees love the simplicity of our systems that make operations more efficient and lower risk. Behind the scenes, Forever Oceans relies on highly complex technologies and a number of partners. Endian has been a key partner in delivering efficient and secure communications offshore."

- Frank Bachinsky -

Company Name:	Country:	Homepage:	Industry:
• Forever Oceans	• United States	• www.foreveroceans.com	• Mariculture