Customer Success Story

Location: Honduras

AMI water treatment system elevates aquaculture farm operations

Aquaculture farms depend on a clean and healthy environment for optimal fish growth.

Challenge

The aquaculture industry in Honduras has grown significantly over the years into an important economic sector for the country.

However, challenges such as water quality and meeting international standards may pose concerns for local fish farms.

An aquaculture operation in Honduras wanted to improve the quality of their products such as tilapia for domestic and international markets.

Contaminants in the water were impacting fish health and compromising sustainability of the operation. Additionally, meeting stringent quality standards required an advanced water treatment solution.

The client reached out to Applied Membranes for assistance.

Solution

Applied Membranes designed and built a **20 GPM (5 m3/h)** Reverse Osmosis (RO) system producing high-quality product water for aquaculture operations.

The AMI system treats water from local sources, removing impurities to produce water suitable for fish farming.

Key Features:

- AMI model: J-124B
- Chemical injection system
- Permeate flush system
- Cartridge filters
- Flow meters

Results

The AMI system continues to provide a reliable supply of high-quality water for the client's aquaculture operations.

Water quality: AMI system effectively removes unwanted contaminants from the water, creating a clean and healthy environment for aquaculture operations. This led to improved fish health, growth, and survival rates, ultimately enhancing productivity and yield.

Longevity: AMI system helped aquaculture client meet compliance with regulatory requirements for water quality management.

Market competitiveness: The high-quality products, produced with the help of AMI system, positioned the client as a leader in the market.

With AMI water treatment technology, the client established a foundation for continued growth and profitability in the aquaculture industry.

2450 Business Park Dr, Vista, CA 92081 | www.appliedmembranes.com | sales@appliedmembranes.com | 760-727-3711