



# SIERR LEONE'S AQUACULTURE

## **Improving Fish Value Chain in the Sierra Leone's Aquaculture Sector to enhance food security**

**Powered :** Tivamy Limited & AWFISHNET Sierra Leone Chapter



**Support the government of Sierra Leone feed Salone big 5 initiative via enhancing fish production for animal protein and revenue generation**



Kuta fish for sale interested customer please P.V me

*Aquaculture, farming of fish and other aquatic organisms under controlled conditions, is an important and emerging sector in Sierra Leone, that plays a significant role in supporting food security, economic growth, employment creation, and environmental sustainability.*

# Why Fish Farming in Sierra Leone?

- **Abundant Water Resources:** Ideal natural environment for aquaculture.
- **Government Support:** Policy emphasis on food security and import substitution.
- **Market Demand:** High consumption of fish; culturally preferred protein.
- **Sustainability:** Fish farming has lower carbon footprint compared to livestock.

# Problem Statement

- **Overdependence on Imported Fish Feeds:** Over 80% of fish used in Sierra Leone is imported.
- **Local Supply Deficit:** Growing population, limited domestic production.
- **Malnutrition & Food Insecurity:** High protein deficiency, especially in rural areas.
- **Unemployment:** Limited job opportunities, particularly in rural communities.
- **Over the years access to Quality fish feed affected aquaculture fish farming production in Sierra Leone, until Tivamyra Company started producing quality fish feed using local materials.**



# Our Solution

- **Establish a scalable, eco-friendly fish farming system.**
- **Produce high-quality tilapia and catfish to meet local demand.**
- **Create direct and indirect employment.**
- **Integrate training programs for youth and women in aquaculture.**
- **Tivamyra aquaculture and aquaponics ecosystem provides sustainable and innovative solutions to the twin problems of food insecurity and protein malnourishment**
- **Our circular solutions also produce Fish fingerlings and fish feed to develop a fully integrated business model**
- **Produce eco-friendly, cost effective quality fish feed to enhance fish growth at 60% as compared to imported fish feeds from Ghana**



# Innovative Aquaculture and Aquaponics Circular Ecosystem



Fish ponds at the front and behind them are IVS rice farms in a fish-rice ecosystem. Rice bran from the processed rice is a feed ingredient for the fish

At the sides are oil palm trees that produce FFBS, from which palm kernels are extracted and processed to get PKC as a feed ingredient for the fish

THE END



**THANKS FOR YOUR ATTENTION**

**With Love from the People of**

**Sierra LEONE**

Email: [Tivamyald@gmail.com](mailto:Tivamyald@gmail.com)