

Alpha Krust Ltd



Shrimps Ready For Processing

Alpha Group, one of the largest seafood processors in East Africa is establishing an Integrated Shrimp Aquaculture Project in Mafia Island, Tanzania. Alphakrust Ltd, Group company of Alpha Group is implementing this ambitious and the first such project in East Africa. The project comprises of

- a 60 million capacity hatchery,
- a 200 hectare WSA(water spread area) shrimp farm in phases, and
- a processing plant of 20 Tons per day throughput.

The project is vertically integrated from the stage of brood stock collection to hatchery production of post larvae, culture of shrimps in farm ponds, processing and export. All the activities are controlled by the Group.

Alphakrust Ltd is operating separate boats to collect good quality broodstock from the sea. These brood stocks undergo a series of screening procedures in the quarantine area as a part of bio-security procedure.



The hatchery is equipped with a PCR Unit (Polymerase Chain Reaction) and microbiological laboratory to screen the health of the brood stock completely before it is taken in to the production system. Well-qualified technicians properly guided by the Standard Operating Procedure (SOP) and

Main Hatchery



Good Aquaculture Practice (GAP) manage the shrimp hatchery. An intensive R&D facility at the shrimp hatchery ensures the supply of consistent and healthy seeds in accordance with international quality regulations. This guarantees the absence of virus and antibiotics that could affect the health of the shrimps in grow out farm.

Farm Under Culture

The farm will have 120 hectares Water Spread Area (WSA) in phase I and 80 hectares WSA in phase II, and is being developed at Jimbo village, Mafia Island, Tanzania. The target is to produce 1,600 Tons of shrimp annually in two crops at its full operation. The farm site is free from any possible source of Physical, Chemical or Biological contamination. The soil type is loamy. The water source and other climatic factors are favorable for shrimp farming. The farm is designed and laid out in the scientific way. The farm has other infrastructure facilities i.e. Staff Accommodation, Controlled Temperature Feed Store, Quality Control Laboratory, Canteen, Recreation Area, Clinic, Work Shop, and Offices.



The quality policy of Alphakrust Limited shrimp farm is growing shrimps in the most eco friendly way at sustainable levels in the pristine conditions using '*Island Shrimp Aquaculture System*' to the total customer satisfaction and to supply the best quality shrimps in accordance with the international food safety regulations that guarantee the absence of all toxic agents and antibiotics that could affect the health of the consumers.

Seeds Ready for Stocking

A Stringent Environmental Monitoring Plan has been drawn and is being controlled by the committee of experts from different fields. The water quality in terms of physical, chemical and biological characteristics in the intake creek, culture system, drain creek

and open sea are monitored. Fish ecology, Mangrove management and Socio economic issues of the community are some of the other environmental parameters being monitored in the project area



Pond Sampling

Ponds are stocked at a density of 15- 20 pieces per m². Shrimps are fed with high protein pellet made of high quality ingredients from reputable suppliers, following ISO 9000 standards. Good water quality management is highly essential for both survival and optimum growth of shrimps. Daily monitoring of different water quality parameters are done in the farm in a systematic way and scientifically analysed in accordance with SOP and GAP.



Harvesting System

Once the shrimp has grown to 33-35gm size, harvesting takes place by means of mechanical Elevating harvester which assures minimum handling of shrimps to achieve good hygiene and higher recovery of Head On quality shrimps. All the harvested shrimps are chill killed, packed with slurry ice and sent to processing plant in insulated trucks.

Alpha Group has its own EU approved plant to process the shrimps. This plant is managed by a highly qualified technical team with a well-trained workforce. An expansion of a specific processing line for cultured shrimps is currently in progress.

Alphakrust Ltd maintains a continuous improvement of the facilities and the training of personnel. The implementation of HACCP in Hatchery, Farm and Processing Plant is the support of our quality assurance system; we consider it our main tool to control the risks that involve the security, safety and economic integrity of our products.