



FOGHOEM AGRO RESOURCES PLANT PLC PROJECT




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Agro-plant complex for the processing of vegetable oils

Refining unit Margarine production unit Sauce-production unit Bottling unit



PROJECT OVERVIEW



Overall, it is about the construction and operation of an Agro food oil plant including vegetable oil refinery, margarine and mayonnaise production and packaging in Douala, Cameroon. An initial investment of 59.2 BN XAF (90.2M €)is required And will be financed through Debt and Equity.

PLANT COMPONENTS & CAPACITY

Refinery

The refinery will process 300 TDP of vegetables oils, including soybean and palm oils. It will include neutralization, bleaching, deodorizingn soap stock splitting and fractionning steps. The refinery will produce high-quality refined oils various downstream applications.

Margarine Production

The margarine production section will have a capacity of 5.4 TPH for table margarine and 2.2 TPH for puff pastry margarine. The process involves blending oils and water phases, emulsification, pasteurization, crystallization, kneading, remelting and packaging

Mayonnaise Production

The mayonnaise production section will have a capacity of 2 TPH. The process involves mixing oils, vinegear, egg yolk, and other ingredients, follows by homogenization and packaging. The plant will produce mayonnaise and other sauces in various formats.

Bottling lines

Bottling units composed two lines of capacity of 1.400 a 2.000 BPH (5l pet) and second line of 14.000BPH (1L)

Tank Farm



Crude Oil Storage

The tank farm will include 18 tanks for storing crude and fractionated oils, with a total capacity of 14,000 tons. The tanks are equipped with atmospheric vents, mixers, and stream coils to maintain the oil at the desired temperature.

Semi-Refined Oil Storage

The tank farm will include 4 tanks for storing semi-refined oils, with a total capacity of 1,150 tons. The tanks are equipped with atmospheric vents, mixers, and hot water coils to maintain the oil at the desired temperature.

Refined Oil Storage

The tank farm will include 14 tanks for storing refined and fractionated oils, with a total capacity of 460 tons. The tanks are equipped with nitrogen blanketing systems, mixers, and hot water coils to maintain the oil at the desired temperature.

Utilities

Water: The plant will have a raw water treatment system to provide treated water for process units, cooling water, boiler feed, and other uses. The system will include a well, raw water storage tank, sand filter, and reverse osmosis unit.

Steam: The plant will have a boiler house to provide steam for process units, heating of storage vessels, and hot water systems. The boiler house will include two boilers, an economizer, a chimney, and a condensate return system.

Compressed Air: The plant will have a compressed air system to provide compressed air for process units, valves and control valves actuation, oil line flushing, and nitrogen production. The system will include two air compressors, filters, refrigerant dryers, and compressed air receivers.

Electricity : The plant will be fed with electricity from the public network or by two diesel generators. The electrical system will include MV and LV panels, transformers, and a UPS system for the automation system.

Crude Oil Storage

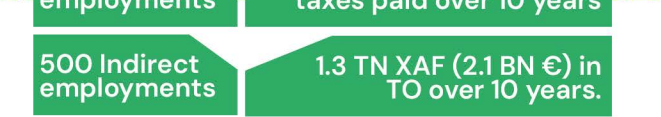
To be implemented at the Yato area, at the outskirts of the Littoral region towards the South-West region and adjacent to the Douala-Tiko national road, as shown in the figure(8 ha).

This is a rapidly developing industrial zone with many industrial manufacturing plants such as the CAMWATER (the Cameroon Water Treatment plant), OLAM Wheat Processing Plant, Etc.

To be implemented at the Yato area, at the The location provides access to key infrastructure, including transportation networks and potential raw material sources. It also offers proximity to major markets in Cameroon and neighboring countries.



Impact indicators



Items	Equity (M€)	Debt (M€)	Total (M€)
LAND	10.23		10.23
OTHER CAPEX	16.77	43.20	59.97
OPEX		20.00	20.00
TOTAL	27.00	63.20	90.20
% OF PARTICIPATION	30%	70%	100%

****Land already acquired**