

Integrated Technologies for Agro/Biowaste Conversion in Eastern Africa (BIOCON)



Preamble

Agro-process businesses such as slaughterhouses, tanneries, breweries, dairies, distilleries, sugar, fish, and vegetable oil processing, among others have rapidly increased in the region leading to increased pollution of freshwater resources and emission of hazardous gases. Modern biobased processing technologies can greatly assist the transformation of inefficient and polluting bio-based industries into modern biorefineries producing a large array of renewable products with close to zero emissions. An integrated agro/biowaste conversion and treatment technology was developed and successfully piloted in Ethiopia, Tanzania, and Uganda.



About the Products

The integrated agro/biowaste conversion entails treatment of wastewater from agro-processing through biological processes thereby discharging clean water that meets national effluent standards and generating biogas and bio-fertilisers as by-products. The treated water can be reused by the industry and neighboring urban/rural farmers for irrigation or lawfully discharged into the environment. The target market segments for the systems are agro and bio waste producing firms such as agro processing facilities, beverage industry, large animal, and crop farms.

About the Ventures

Two sister companies are commercialising the integrated agro/biowaste conversion systems in Tanzania and Uganda:

i. Bioconversion Technology Africa Company Limited (BIOCON Africa)

The company was registered in Tanzania in August 2019 and its core business is to design and install integrated resource-efficient wastewater treatment systems. The company offers feasibility studies, design, construction management, supervision, system operation, and laboratory services to its customers. BIOCON Africa is the parent company of subsidiaries located in Ethiopia and Uganda. It has developed working partnerships with WWS Design and Development Co. Ltd and Dharam Singh Hans Paul and Sons Co. Ltd based in Arusha for mechanical and civil construction expertise, among others. The company's annual sales turnover is approximately USD 600,000.

For More Information

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ii. BIOCON Uganda Ltd

This is a subsidiary of BIOCON Africa Ltd registered as a private company in October 2019 in Uganda. The company offers consultancy and design services for management of wastewater treatment systems to its key customers who are mainly agro-processing industries, schools, agro-farms, and municipal authorities.

For More Information

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