

BG Titan Group Launches Revolutionary Titan E-Farms Project in Uganda

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BG Titan Group is excited to announce the official launch of its innovative Titan E-Farms initiative in Uganda, the first step in a broader strategy to transform agriculture across East Africa. With a total project size exceeding \$650 million, the Titan E-Farms project aims to establish a sustainable agricultural model that supports economic growth while tackling critical environmental challenges.

Pioneering a New Era of Sustainable Farming and Energy Production

The Titan E-Farms concept is centered on a groundbreaking combination of advanced sustainable technologies designed to decarbonize agricultural processes and eliminate waste. The project features a comprehensive waste-to-power system, ensuring zero waste is produced throughout the farming cycle. Organic matter is converted into energy, significantly reducing emissions and creating a closed-loop system that is fully sustainable.

One of the core goals of the Titan E-Farms project is to generate clean energy, with the potential to produce a combined 50-100 MW of renewable energy through a mix of waste-to-power, solar, and hydrogen technologies. This energy will not only support the farm's operations but also provide surplus power to local communities, contributing to energy independence and improved infrastructure.

In addition to its environmental impact, Titan E-Farms is poised to become a major source of employment in Uganda. The project will create over 5,000 direct jobs in farming, technology, and energy production, and is expected to support tens of thousands more through indirect opportunities in logistics, supply chains, and related industries. By empowering local communities with new skills and sustainable livelihoods, the initiative is designed to drive long-term economic development in the region.

A key component of the project is Titan Air, BG Titan's proprietary process for capturing CO₂ and methane and converting them into algae. Through accelerated algae growth, the process not only decarbonizes the farming cycle but also produces a valuable byproduct—algae that can be turned into fertilizer to improve soil quality and used as fish food to support aquaculture. This integrated, circular farming model addresses both food security and environmental sustainability, ticking all the boxes of the United Nations' Sustainable Development Goals (SDGs).

Sustainable Agri-Solar and High-Value Crops

In addition to its waste-to-power and energy-generating components, Titan E-Farms will integrate sustainable agri-solar practices, optimizing land use by combining crop cultivation with solar energy production. The project will focus on growing high-value crops such as coffee, mangoes, and other crops that yield best in Uganda's climate. By pairing crop production with renewable energy, the farm will ensure efficient use of resources. Additionally, the site will provide fish culture, offering aquaculture solutions to further support local food systems and generate additional income streams.