

Africa for sustainable development Fellowship

INTRODUCTION

COHORT 3 PROFILES





STEPHEN.M.MWANZA

G.E (EBK) | Agricultural Eng. | Beets Kenya | Sustainable Consumption and Production



Stephen Mulwa Mwanza (G.E) is an Agricultural and Environmental Engineer known for his deep dedication to sustainable agriculture, environmental conservation, and community development. His accomplishments include groundbreaking research on the use of Water Hyacinth for bioethanol and biogas production and the successful establishment of Beets Kenya, a venture committed to sustainable business practices. At Beets Kenya, Stephen actively promotes eco-friendly farming techniques among local farmers, fostering environmentally responsible methods. His extensive knowledge in crop production, technology, and sustainable farming, coupled with his innovative contributions, has earned him recognition as a finalist in the Assistive Tech Innovation Showcase and multiple awards. Stephen's overarching mission is to advocate for comprehensive and sustainable solutions, like "The Wheel Garden," which empowers wheelchair users to engage in accessible gardening, simultaneously benefiting the environment and enhancing community well-being.

Key Achievements:

- Developed and implemented sustainable business strategies that minimized the environmental impact of beetroot production.
- Innovated and launched new products, marketing them effectively.
- Supported local farmers to adopt sustainable practices, increasing their use of sustainable practices.
- Finalist in the Assistive Tech Innovation Showcase for "The Wheel Garden," an innovation designed to empower wheelchair users by providing them with a user-friendly assistive device for gardening.
- Successfully increased local demand for bioethanol, biogas, biochar, and animal feed through the implementation of pilot projects that demonstrated their commercial viability, while also proposing strategies to support the growth of Kenya's water hyacinth utilization industry.

