

# AUKTIE CASE STUDY

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## **Rocketing Resilience: UK Community Innovation for Carbon Cuts & Food Security**

### **Overview**

This case study highlights a pioneering sustainability initiative in Chadwell Heath, East London, led by Patrick Ogunnowo in partnership with the Barking and Dagenham Council and local stakeholders. It showcases the deployment of a Rocket Composter system to convert food waste into high-grade organic fertiliser, transforming a £5 million community regeneration grant into a beacon project for grassroots decarbonisation.

### **Objectives**

- Reduce landfill waste through onsite composting.
- Convert food waste into market-grade organic fertiliser.
- Demonstrate sustainable waste-to-value circular economy in an urban setting.
- Engage residents and local businesses in sustainable practices.
- Build community resilience and awareness of climate action.

### **Innovative Elements**

A suggested innovation by Patrick Ogunnowo that was not approved involved the strategic enrichment of the compost with potassium additives, which could have allowed the output to meet fertiliser-grade standards for potential commercialisation. This approach was designed to combine environmental benefit with an income-generating opportunity for the local community.

### **Outcomes & Impact**

- Diverted over 30 tonnes of food waste annually from landfill.
- Produced organic fertiliser for local gardens and urban farms.
- Created learning modules on circular economy for schools.
- Demonstrated how grassroots carbon action can link to funding and infrastructure legacy.

### **Alignment with AUKTIE's Vision**

This initiative exemplifies AUKTIE's ethos of blending sustainability, innovation, and community development. It shows how modular infrastructure (like Rocket Composters) can deliver measurable decarbonisation and social value, paving the way for similar models in Nigeria and across the Global South.