

Project Developer
Emerging Cooking
Solutions Zambia



Emerging Cooking Solutions is a social enterprise that develops and sells Tier 4 pellet cookstoves and small-scale renewable energy solutions under the brand name SupaMoto.



Total Project Budget
EUR 3 162 620

EEP Africa Financing
EUR 1 000 000


Project Partner
Mimi Moto

Type
Scale-up project
Stand-alone

Project Code
ZAM14494



Sector
Cookstoves



Location
Zambia

TIER-4 CLEAN COOKING WITH PAYGO

This project will take clean cooking to scale in Zambia by switching 20,000 households from charcoal to waste biomass pellets. Clean cooking subscriptions for the domestically-produced pellets will be sold together with high-end, Tier-4 Mimi Moto cooking stoves. SupaMoto's best-in class Z-stove will be offered as an alternative for lower-end customers. The stoves have an integrated, cloud-connected smart card, allowing subscriptions to be pay-as-you-go (PAYG) with mobile money. The company's current pellet production factory will be upgraded substantially to meet increased demand. EEP Africa financing will de-risk the project and prove the commercial model at scale.



Outcome and Impact

The project will provide peri-urban households with a high-performing and affordable alternative to charcoal. Production capacity of the biomass pellets will increase to 1,500 tonnes per month. Each stove that replaces charcoal with sustainably-produced biomass pellets mitigates 4 tonnes of CO₂e per year, resulting in a total of more than 80,000 tonnes of CO₂e emissions avoided annually. Customers with a 24-month subscription will save approximately EUR 50 per year and significantly improve household health. The project will also create close to 100 new jobs.

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