



TOYOLA CLEAN COOKSTOVES GHANA

Improving Ghanaian livelihoods, reducing
air pollution and tackling deforestation



In Ghana the practice of cooking over fuelwood and charcoal results in high emissions and health issues associated with indoor air pollution, primarily experienced by women who prepare food. This project distributes efficient cookstoves that require less wood and produce less smoke, alleviating deforestation and enabling healthier livelihoods.



The Context

Ghana is the largest per-capita consumer of charcoal in West Africa - approximately 69% of all urban households use charcoal. Alternatives such as gas stoves are available but are prohibitively expensive, making the switch to cleaner energy difficult. The charcoal used for cooking contributes to carbon dioxide emissions, indoor air pollution and causes deforestation and desertification.

The Project

This project replaces carbon-intensive coal pots with fuel-efficient insulated stoves, known as the Toyola Coalpot. These Coalpots use standard charcoal but are up to 33% more efficient and greatly reduce the amount of charcoal needed to cook, which also reduces carbon dioxide emissions and deforestation.

The Benefits

This project also provides co-benefits that improve the livelihoods of local communities. By using efficient cookstoves, communities have relief from high fuel costs, reduced exposure to health-damaging airborne pollutants, a faster cooking resource, local employment opportunities and increased cleanliness and convenience in their homes.

Toyola stoves are made largely from scrap metal from construction projects across Ghana. This process provides jobs, promotes recycling and reduces manufacturing costs.



Gold Standard



1,420,000
 people

provided with access to cookstoves, improving their living standards



300
 jobs

created, stabilising incomes and boosting the local economy



370,000
 stoves

currently in use, providing a sustainable cooking resource to communities



200,000
 tCO₂e

mitigated per year with more fuel efficient stoves, directly contributing to climate change mitigation

For more information on the UN Sustainable Development Goals, please visit: <http://www.un.org/sustainabledevelopment/sustainable-development-goals/>

Official name: Improved Household Charcoal Stoves in Ghana | **Registry link:** https://products.markit.com/br-reg/public/project.jsp?project_id=103000000002503 | **Markit ID:** 2503 | **GS ID:** 413