



Clean cooking stoves in Kumasi/Ghana

Yearly Sequestration: 47.000 t CO₂

07/19/2021

Project standard

Gold Standard VER (GS VER)

Technology

Clean cooking stoves

Region

Kumasi, Ghana

Yearly Capacity

47.000 t CO₂

Validated by

TÜV Rheinland (China) Ltd.

Verified by

Carbon Check (India) Private Ltd.

Project:

Protection for climate, health and forests

In rural Ghana, the majority of the population uses traditional open firepits or inefficient cooking stoves with a high wood consumption, which endangers forest stands and thus the CO₂ storage capacity of our earth. In addition to the climate-damaging effect, health consequences play a serious role here, as it is mainly women and children who are exposed to the smoke emitted when the wood is burned. Most infections occur in the eyes or respiratory tract, which in some cases lead to premature deaths. That is why our project provides more efficient cooking stoves. The stoves are distributed in both urban areas of Ghana to households, and to small businesses. The Kumsi-based social enterprise „Man and Man“ was founded in 2014 and produces cooking stoves with significantly improved thermal insulation on site.

The „Jiko“ stove model, for example, uses up to 40% less charcoal. Production and sales secure new and secure jobs for the people in the region and thus contribute to an improved quality of life.





Why climate protection via clean cooking stoves?

Cooking on an open fire is still the most common method in less developed countries and regions of the world. The result: a high rate of deforestation combined with low energy efficiency. Trees and energy are lost unused. Better insulated cooking stoves made of metal or clay bundle the energy and help to avoid unnecessary deforestation and protect the important CO₂ storage forest. At the same time, significantly fewer CO₂ emissions are emitted into the atmosphere.

Contribution to the UN Sustainable Development goals

