



Nearly 3 billion people in the developing world cook food and heat their homes with traditional cookstoves or open fires. [The Global Burden of Disease Study 2010 estimates](#) that 4 million premature deaths occur every year due to smoke exposure from these methods. In fact, this is the fourth worst risk factor for disease in developing countries and women and children are the most affected.

This project introduces the Gyapa, an efficient cookstove, to families in Ghana. The Gyapa stove cooks food more quickly, requires 50-60% less fuel and is less smoky. As such it not only cuts carbon emissions, but reduces exposure to toxic fumes.

Cutting fuel requirements also saves families money and importantly, protects Ghana's dwindling forests - it has one of the highest deforestation rates in Africa.

A key outcomes from this project is job creation. The stoves are made locally - the liners by a small group of accredited local ceramicists who have received specialist training. The metal claddings are made by a further group of accredited manufacturers. Relief International, our project partner in Ghana, provides training and quality control services, and distributes the stoves through a wide network of retailers.

"Gyapa is a great example of a project in which community benefits are actively designed into an activity at the outset, and subject to monitoring, reporting and verification" Adrian Rimmer, Gold Standard Foundation CEO.

Key benefits

Saves families money: 2.4million people have saved more than \$41 million on fuel bills – money they can spend on food or education.

Slows deforestation: Reduces demand for wood, protecting precious forests.

Generates employment: Stoves are locally manufactured and specialist skills are developed.

Carbon Reductions: Over 550,000 stoves have been sold, reducing more than 1 million tonnes of CO₂

Improves health: Reduces exposure to hazardous air pollutants



Engaging stories



Employment generation

Through the production and manufacturing chain highly skilled ceramists and metal artisans have a guaranteed employment for their manufacturing services. Currently, around 12,500 ceramic liners are produced each month through 350 manufacturers. In addition, more than 500 local retailers benefit from selling the Gyapa stove.

"I can sell 900 liners a month which gives me enough money to send my son to school." Says Mr Ebrahim 'Lucky' Dowda, Stockist

Communications

Support available to develop bespoke communications including photographs and case studies

Project visits possible. Professional photographs and video available

Standard:

Gold Standard for Verified Emission Reductions.

Carbon Status:

We have verified close to 1 million Gold Standard VERs up to the 2013 vintage. We anticipate a further 250,000 VERs from 2014.