

GYAPA COOKSTOVES - GHANA

Nearly 3 billion people in the developing world cook food and heat their homes with traditional cookstoves or over open fires. [The Global Burden of Disease Study 2020](#) estimates that 4 million premature deaths occur every year as a result of smoke exposure from cooking. In fact, this is the fifth greatest cause of disease in developing countries, and women and children are the most affected.

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

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

The project also creates jobs and develops skills. The liners are made 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.



Key Benefits

- **Raises income levels:** 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

Project Information

| Project Name | Country | Technology | Standard | Vintage | Carbon Status | Project status |
|--------------|---------|---------------------|---------------|---------|---------------|----------------|
| Gyapa | Ghana | Improved Cookstoves | Gold Standard | 2012-13 | Issued | Operational |