



The “Jikokoa” cookstoves project allows families in rural Kenya to cook food using cleaner, more efficient cook stoves, thereby consuming less charcoal.

80% of Kenya's primary household energy comes from solid fuel. The majority of this is burnt on smoky open fires and inefficient cookstoves, leading to indoor air pollution, causing respiratory disease and contributing to global climate change. Cooking smoke contributes to a range of chronic illnesses and health challenges such as early childhood pneumonia, emphysema, lung cancer, bronchitis, cardiovascular disease, and low birth weight. Women and young children are the most affected, with more than 4,900 children in Kenya dying every year as a result of acute lower respiratory infections caused by the smoke from the use of solid fuels.

The Project:

The project will produce simple but efficient cooking stoves that reduce fuel consumption by an average of 45%. The reason for the higher efficiency of the stoves is their design. The chimney effect ensures better and cleaner combustion. In addition, heat losses are reduced thanks to better insulation.

The Benefits:

In addition to the pure climate protection effect, the project contributes to the achievement of the 17 Sustainable Development Goals (SDGs). The global goals for sustainable development developed by the United Nations consider all three dimensions of sustainability: social justice, environmental protection and sustainable economic activity. The project conserves the local tree population and the habitat for animals and plants. Using less fuel moreover results in significant savings at the household level. Time and money previously invested in gathering fuel can now be spent for food or education. The health of the local population, especially of women and children, benefits from the reduction of toxic emissions using cleaner cookstoves. The local production, marketing and maintenance of the cookstoves create qualified jobs, thus fostering the sustainable economic development in structurally weak regions. The stoves are manufactured in a state-of-the-art solar powered factory in Nairobi, which employs over 100 people and offers equal opportunities to women in a traditionally male-driven industry.



Portfolio

Energy Efficiency

Project Standard

Gold Standard

Climate Security & Sustainable Development

Emission Reduction

approx. 144,000 t CO₂e p.a.

Project Status

VER, certified (GS 5642)

Project Location

Kenya

Project Verification

TÜV Nord AG

Sustainable Development Goals



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